INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: July 17, 2008

RE: Outokumpu Stainless, Inc. / 065-26242-00003

FROM: Matthew Stuckey, Branch 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 permit modification 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, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) 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.

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

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

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

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

Enclosures
FNTV-PMOD.doc 3/27/08

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Mr. Doug Zimmerman
Outokumpu Stainless, Inc., Plate Products
549 West State Road 38
New Castle, IN 47632

July 17, 2008

Re: 065-26242-00003
Significant Permit Modification to
Part 70 Renewal No.: T 065-17992-00003

Dear Mr. Zimmerman:

Outokumpu Stainless, Inc., Plate Products was issued a Part 70 Operating Permit Renewal on June 19, 2007 for an operation of manufacturing rolled steel plates. A letter requesting changes to this permit was received on February 14, 2008. Pursuant to the provisions of 326 IAC 2-7-12 a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

New Emission Units:

- One (1) ASBF Shotblaster, permitted in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a baghouse and exhausting to stack B.
- One (1) ASBF Annealing Furnace, permitted in 2008, with a maximum heat input capacity of 55 MMBtu/hr, with emissions exhausting inside the building.
- One (1) natural gas fired boiler, referred to as the Main Bay Boiler #2, permitted in 2008, with a maximum heat input capacity of 9.0 MMBtu/hr. [326 IAC 6-2-4]
- One (1) Belt Grinder [326 IAC 6-3-2].

Modified Emission Units:

- One (1) 120" ~~line pickling~~ **Line Pickling**, installed in 1996 **and modified in 2008**, with a maximum capacity of 30 tons per hour, ~~equipped with an optional wet scrubber as control device,~~ **with emissions controlled by a wet scrubber** and exhausting to stack E.
- ~~One (1) Batch pickling line, installed in 1944 and with a maximum capacity of 15 tons per hour, exhausting inside the building.~~ **One (1) Main Bay Spray Pickling Line, installed in 1944 and modified in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a wet scrubber and exhausting through stack F.**

Outokumpu proposes to limit emissions of each regulated pollutant from the entire source to less than 250 tons per year after the modification. As a result, the source will become an existing minor source under Prevention of Significant Deterioration (PSD) after the proposed modification.

This significant permit modification authorizes operation of the new and modified emission units.

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire Part 70 Operating Permit as modified will be provided at issuance.

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact Kimberly Cottrell, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Kimberly Cottrell or extension (3-0870), or dial (317) 233-0870.

Sincerely/Original Signed By:

Tripurari P. Sinha, Ph. D., Section Chief
Permits Branch
Office of Air Quality

Attachments:
Updated Permit
Technical Support Document
PTE Calculations

klc

cc: File – Henry County
Henry County Health Department
U.S. EPA, Region V
Air Compliance
Compliance Data Section
Permits Administration

Chris Streit
Outokumpu Stainless, Inc., Plate Products
549 West State Road 38
New Castle, IN 47632

Michael Stateczny
Outokumpu Stainless, Inc., Plate Products
549 West State Road 38
New Castle, IN 47632

Charles Staehler
August Mack Environmental, Inc.
8007 Castleton Road
Indianapolis, IN 46250

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PART 70 OPERATING PERMIT RENEWAL
OFFICE OF AIR QUALITY

Outokumpu Stainless, Inc., Plate Products
549 West State Road 38
New Castle, IN 47632

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-2 and 326 IAC 2-7-10.5, applicable to those conditions.

Operation Permit Renewal No.: T 065-17992-00003	
Issued by: Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: June 19, 2007 Expiration Date: June 19, 2012

Permit Modification No.: T 065-26242-00003	
Issued by/Original Signed By: Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: July 17, 2008 Expiration Date: June 19, 2012

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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 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns an operation of manufacturing rolled steel plates.

Source Address:	549 West State Road 38 New Castle Indiana 47632
Mailing Address:	549 West State Road 38 New Castle Indiana 47632
General Source Phone Number:	765-529-0120
SIC Code:	3312
County Location:	Henry
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules (before modification) Minor Source, under PSD Rules (after modification) Major Source, Section 112 of the Clean Air Act

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

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

(a) One (1) 120" Line Pickling, installed in 1996 and modified in 2008, with a maximum capacity of 30 tons per hour, equipped with a wet scrubber as control device, and exhausting to stack E.

(b) One (1) Batch pickling line, installed in 1944 and with a maximum capacity of 15 tons per hour, exhausting inside the building. In 2008, the Batch pickling line was permitted to be modified to become the following:

One (1) Main Bay Spray Pickling Line, installed in 1944 and modified in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a wet scrubber and exhausting through stack F.

(c) One (1) 120" Line Shotblaster, installed in 1996, with a maximum capacity of 30 tons per hour, with emissions controlled by a baghouse and exhausting to stack C.

(d) One (1) Wheelabrator shot blaster, installed in 1980 and with a maximum capacity of 36.0 tons per hour, using a baghouse as control device, and exhausting to stack B. In 2008, the Wheelabrator shot blaster was replaced with the following:

One (1) ASBF Shotblaster, permitted in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a baghouse and exhausting to stack B.

The Wheelabrator shot blaster will be permanently shut down once the ASBF Shotblaster begins operation.

(e) One (1) Finish Mill Hot Rolling, installed in 1977 and with a maximum capacity of 2.625 tons per hour, exhausting inside the building.

(f) One (1) Finish Mill Walking Beam Reheat Furnace, installed in 1995 and rated at 21 million British thermal units per hour, exhausting inside the building.

(g) One (1) 120" Salem Annealing Furnace, installed in 1996 and rated at 39.60 million British thermal units per hour, exhausting inside the building.

(h) One (1) ASBF Annealing Furnace, permitted in 2008, with a maximum capacity of 55 MMBtu/hr, with emissions exhausting inside the building.

(i) One (1) 96” Salem Annealing Furnace-1, installed in 1991 and rated at 32 million British thermal units per hour, exhausting inside the building.

(j) One (1) 96” Salem Annealing Furnace-2, installed in 1991 and rated at 32 million British thermal units per hour, exhausting inside the building.

(k) One (1) Heppenstall Annealing Furnace, installed in 1980 and rated at 10.80 million British thermal units per hour, exhausting inside the building.

(l) One (1) natural gas fired 120" Line Boiler, installed in 1996 and rated at 10.04 million British thermal units per hour and exhausting to stack S-5.

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

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour.

(1) One (1) natural gas fired boiler, referred to as the Main Bay Spray Boiler #1, installed in 1982, with maximum heat input capacity of 5.33 MMBtu/hr. [326 IAC 6-2-4]

(2) One (1) natural gas fired boiler, referred to as the Main Bay Spray Boiler #2, permitted in 2008, with a maximum heat input capacity of 9.0 MMBtu/hr. [326 IAC 6-2-4]

(3) One (1) North Twin Reheat Furnace, installed in 1977, with a maximum heat input capacity of 9.33 MMBtu/hr, with emissions exhausting inside the building.

(4) One (1) South Twin Reheat Furnace, installed in 1977, with a maximum heat input capacity of 9.33 MMBtu/hr, with emissions exhausting inside the building.

(b) Degreasing operations, installed in 2001, that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 and 40 CFR 63, Subpart T. [326 IAC 8-3-2] [326 IAC 8-3-5]

(c) The following equipment related to manufacturing activities not resulting in the emission of HAPs; brazing equipment, cutting torches, soldering equipment, welding equipment [326 IAC 6-3-2].

(d) Walk Behind Grinder [326 IAC 6-3-2].

(e) Belt Grinders [326 IAC 6-3-2].

(f) Two (2) Plasma Torch Cutters [326 IAC 6-3-2].

(g) Shears [326 IAC 6-3-2].

(h) One Lime Storage Silo [326 IAC 6-3-2].

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

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

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

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

SECTION B GENERAL CONDITIONS

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

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

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

(a) This permit, T065-17992-00003, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

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

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

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

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

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

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

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

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

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

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

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

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

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

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

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

(c) A responsible official is defined at 326 IAC 2-7-1(34).

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

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

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

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

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

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

(a) The Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) for the source as described in 326 IAC 1-6-3. At a minimum, the PMPs shall include:

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

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

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

(b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

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

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

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, 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

(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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

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

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

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

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

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) All terms and conditions of permits established prior to T 065-17992-00003 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

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

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

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

(1) That this permit contains a material mistake.

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

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

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

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

B.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

(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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source’s failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

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

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

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

(b) Notwithstanding 326 IAC 2-7-12(b)(1) 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 that exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b), (c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

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

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

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

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

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2.

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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

B.25 Credible Evidence [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C **SOURCE OPERATION CONDITIONS**

Entire Source

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

C.1 Particulate Emission Limitations for Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

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

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

C.5 Fugitive Dust Emissions [326 IAC 6-4]

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

C.6 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.7 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
MC 61-52 IGCN 1003
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.8 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
MC 61-53 IGCN 1003
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.9 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.10 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
MC 61-53 IGCN 1003
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.11 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.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

(b) The Permittee may request that the IDEM, OAQ approve the use of another instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

C.13 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 prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on December 9, 1996.

(b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 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.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records;

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.16 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.17 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(b)(2), starting in 2005 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

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

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
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.18 General Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

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

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

(c) Prior to the modification and until the modifications are complete:
If there is a reasonable possibility (as defined in 40 CFR 51.165 (a)(6)(vi)(A), 40 CFR 51.165 (a)(6)(vi)(B), 40 CFR 51.166 (r)(6)(vi)(a), and/or 40 CFR 51.166 (r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(d) Prior to the modification and until the modifications are complete:
If there is a reasonable possibility (as defined in 40 CFR 51.165 (a)(6)(vi)(A) and/or 40 CFR 51.166 (r)(6)(vi)(a)) that a “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

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

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

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(f) Prior to the modification and until the modifications are complete:
If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C – General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll) at an existing emissions unit other than an Electric Utility Steam Generating Unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C – General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C – General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C – General Record Keeping Requirements (c)(1)(C)(ii).

(g) Prior to the modification and until the modifications are complete:
The report for a project at an existing emissions unit other than Electric Utility Steam Generating Unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C – General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3.

(4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
MC 61-53, IGCN 1003
Indianapolis, Indiana 46204-2251

(h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) One (1) 120" Line Pickling, installed in 1996 and modified in 2008, with a maximum capacity of 30 tons per hour, with emissions controlled by a wet scrubber and exhausting to stack E.

(b) One (1) Batch pickling line, installed in 1944 and with a maximum capacity of 15 tons per hour, exhausting inside the building. In 2008, the Batch pickling line was permitted to be modified to become the following:

One (1) Main Bay Spray Pickling Line, installed in 1944 and modified in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a wet scrubber and exhausting through stack F.

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

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

D.1.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable PM emissions from the following facilities shall not exceed the limits as stated when operating at the respective process weight rates:

Emission Unit	**Process Weight Rate** (tons/hr)	**Allowable Particulate Emission Rate** (326 IAC 6-3-2) (lb/hr)	**Equation**
120” Line Pickling	30	40.04	a
Batch Pickling Line	15	25.16	a
Main Bay Spray Pickling Line	36	41.57	b

The pounds per hour limitations were calculated with the following equations:

(a) Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

(b) Interpolation and extrapolation of the data for process weight rates in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.1.2 PSD Minor Limit [326 IAC 2-2]

(a) Until the modifications to the 120” Pickling Line are complete:

(1) The input of metal processed in 120” line pickling shall be limited to less than 151,500 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) The NO_X emission rate from the 120” line pickling shall not exceed 3.0 pounds per ton of material processed.

(3) The PM emissions from the 120" line pickling shall not exceed 2.00 pounds per ton of material processed.

(4) The PM_{10} emissions from the 120" line pickling shall not exceed 2.00 pounds per ton of material processed.

Compliance with the above emission limits in combination with Condition D.2.4 and potential emissions of PM, PM_{10}, and NO_X from 120" line boiler and 120" line annealing furnace shall keep the PM, PM_{10}, and NO_X emissions from the 1996 source modification to less than 250 tons per year, each, and shall render 326 IAC 2-2 (PSD) not applicable to the 1996 source modification.

(b) After the modifications to the 120” Pickling Line are complete:

(1) The input of metal processed in 120” Line Pickling shall be limited to less than 158,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) The NO_X emission rate from the 120” Line Pickling shall not exceed 1.20 pounds per ton of material processed.

(3) The PM emissions from the 120" Line Pickling shall not exceed 0.875 pounds per ton of material processed.

(4) The PM_{10} emissions from the 120" Line Pickling shall not exceed 1.075 pounds per ton of material processed.

(c) After the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:

(1) The input of metal processed in Main Bay Spray Pickling shall not exceed 75,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) The NO_X emission rate from the Main Bay Spray Pickling shall not exceed 1.20 pounds per ton of material processed.

(3) The PM emissions from the Main Bay Spray Pickling shall not exceed 0.875 pounds per ton of material processed.

(4) The PM_{10} emissions from the Main Bay Spray Pickling shall not exceed 1.075 pounds per ton of material processed.

Compliance with the emission limits in (b) and (c) and Condition D.2.2 combined with the potential to emit NO_X, PM, and PM_{10} emissions from all other equipment at this source will limit the potential to emit from this modification and the entire source to less than two hundred fifty (250) tons per year, each. Therefore the requirements of 326 IAC 2-2 (PSD) are not applicable to the source.

D.1.3 HAP Minor Limit [326 IAC 2-4.1]

After the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line, and pursuant to source modification 065-26100-00003 and 326 IAC 2-4.1, the HF emission rate from

the Main Bay Spray Pickling Line shall not exceed 0.264 pounds per ton of material processed.

Compliance with this emission limit and Condition D.1.2(c)(1) will limit the potential to emit from the Main Bay Spray Pickling Line to less than ten (10) tons per year of any single HAP and less than twenty-five (25) tons per year of any combination of HAPs. Therefore the requirements of 326 IAC 2-4.1 do not apply to the Main Bay Spray Pickling Line.

Compliance Determination Requirements

D.1.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) Until the modifications to the 120" Pickling Line are complete:
In order to determine compliance with Condition D.1.2(a), the Permittee shall perform PM, PM_{10}, and NO_X emissions stack test for 120" line pickling without control before September 22, 2009, utilizing the methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C - Performance Testing.

(b) After the modifications to the 120" Pickling Line are complete:
Within 180 days after startup of the modified 120" Pickling Line, in order to determine compliance with Condition D.1.2(b), the Permittee shall perform NO_X, PM, and PM_{10} emissions stack testing utilizing the methods as approved by the Commissioner.

(c) After the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:
Within 180 days after startup of the modified Main Bay Spray Pickling Line, in order to determine compliance with Condition D.1.2(c), and Condition D.1.3, the Permittee shall perform HF, NO_X, PM, and PM_{10} emissions stack testing utilizing the methods as approved by the Commissioner.

This testing shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.5 HF, NO_X, PM, and PM_{10} Controls

(a) After the modifications to the 120" Pickling Line are complete:
The Permittee shall operate the wet scrubber controlling the NO_X, PM, and PM_{10} emissions from the 120" Line Pickling at all times that the 120" Line Pickling is in operation.

(b) After the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:
The Permittee shall operate the wet scrubber controlling the HF, NO_X, PM, and PM_{10} emissions from the Main Bay Spray Pickling Line at all times that the Main Bay Spray Pickling Line is in operation.

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

D.1.6 Visible Emissions Notations

(a) Until the modifications to the 120" Pickling Line are complete:
Visible emission notations of the 120" line pickling stack exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

After the modifications to the 120" Pickling Line are complete and the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:
Visible emission notations of the 120" Line Pickling stack E exhaust and the Main Bay Spray Pickling Line stack F exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.7 Parametric Monitoring

After the modifications to the 120" Pickling Line are complete and the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:

(a) In order to comply with Condition D.1.1 and D.1.2(b), the Permittee shall record the flow rate of the wet scrubber controlling the 120" Line Pickling at least once per day when the line is in operation.

(b) In order to comply with Condition D.1.1 and D.1.2(c), the Permittee shall record the flow rate of the wet scrubber controlling the Main Bay Spray Pickling Line at least once per day when the line is in operation.

(c) When for any one reading, the flow rate across a wet scrubber is below a minimum flow rate established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances. A flow rate that is below the above mentioned minimum is not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.8 Scrubber Failure Detection

After the modifications to the 120" Pickling Line are complete and the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:

In the event that scrubber failure has been observed, the failed scrubber and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B – Emergency Provisions).

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

D.1.9 Record Keeping Requirements

(a) To document compliance with Condition D.1.6, the Permittee shall maintain a daily record of visible emission notations of 120" Line Pickling stack E exhaust and the Main Bay Spray Pickling Line stack F exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (i.e., the process did not operate that day).

(b) To document compliance with condition D.1.2 (a)(1), (b)(1), and (c)(1), the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be taken monthly and shall be complete and sufficient to establish compliance with metal usage limits established in D.1.2 (a)(1), (b)(1), and (c)(1).

(1) Calendar dates covered in the compliance determination period; and

(2) Actual metal throughput since last compliance determination period.

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

D.1.10 Reporting Requirements

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

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(c) One (1) 120" Line Shotblaster, installed in 1996, with a maximum capacity of 30 tons per hour, with emissions controlled by a baghouse and exhausting to stack C.

(d) One (1) Wheelabrator shot blaster, installed in 1980 and with a maximum capacity of 36.0 tons per hour, using a baghouse as control device, and exhausting to stack B. In 2008, the Wheelabrator shot blaster was replaced with the following:

One (1) ASBF Shotblaster, permitted in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a baghouse and exhausting to stack B.

The Wheelabrator shot blaster will be permanently shut down once the ASBF Shotblaster begins operation.

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

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

D.2.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emissions from the following facilities shall not exceed the limits as stated when operating at the respective process weight rates:

Emission Unit	**Process Weight Rate** (tons/hr)	**Allowable Particulate Emission Rate** (326 IAC 6-3-2) (lb/hr)	**Equation**
120” Line Shotblaster	30	40.04	a
Wheelabrator Shotblaster	36	41.57	b
ASBF Shotblaster	36	41.57	b

The pounds per hour limitations were calculated with the following equations:

(a) Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equations:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

(b) Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.2.2 PSD Minor Limit [326 IAC 2-2]

(a) Until the Wheelabrator Shotblaster is permanently shutdown:

(1) The PM emissions from the Wheelabrator shotblaster shall not exceed 41.42 pounds per hour.

(2) The PM_{10} emissions from the Wheelabrator shotblaster shall not exceed 41.42 pounds per hour.

Compliance with above limits shall render 326 IAC 2-2 (PSD) not applicable to the Wheelabrator shotblaster installed in 1994.

(b) Until the modifications to the 120" Line Shotblaster are complete:

(1) The PM emissions from the 120" line shotblaster shall not exceed 21.88 pounds per hour.

(2) The PM_{10} emissions from the 120" line shotblaster shall not exceed 21.88 pounds per hour.

Compliance with above limits in combination with Condition D.1.2, shall keep PM and PM_{10} emissions from the 1996 source modification to less than 250 tons per year, each, and shall render 326 IAC 2-2 (PSD) not applicable to the 1996 source modification.

(c) After the modifications to the 120" Line Shotblaster are complete:

(1) The PM emissions from the 120" Line Shotblaster shall not exceed 7.5 pounds per hour.

(2) The PM_{10} emissions from the 120" Line Shotblaster shall not exceed 7.5 pounds per hour.

(d) After installation of the ASBF Shotblaster:

(1) The metal throughput to the ASBF Shotblaster shall not exceed 75,000 tons per 12 consecutive month period with compliance determined at the end of each month.

(2) The PM emissions from the ASBF Shotblaster shall not exceed 2.21 pounds per ton.

(3) The PM_{10} emissions from the ASBF Shotblaster shall not exceed 1.62 pounds per ton.

Compliance with the emission limits in (c) and (d) above and Condition D.1.2 combined with the potential to emit NO_X, PM, and PM_{10} emissions from all other equipment at this source will limit the potential to emit from this modification and the entire source to less than two hundred fifty (250) tons per year, each. Therefore the requirements of 326 IAC 2-2 (PSD) are not applicable to the source.

Compliance Determination Requirements

D.2.3 Particulate Control

(a) In order to comply with Conditions D.2.1 and D.2.2, the baghouses for particulate control shall be in operation and control emissions from the 120" Line and Wheelabrator, and ASBF Shotblasters at all times that the 120" Line and Wheelabrator, and ASBF Shotblasters are in operation.

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

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) In order to determine compliance with Conditions D.2.1 and D.2.2 (b) and (c), the Permittee shall perform PM and PM_{10} emissions stack testing for 120" Line Shotblaster-by September 22, 2009, utilizing the methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C - Performance Testing.

(b) Until the Wheelabrator Shotblaster is permanently shutdown:
In order to determine compliance with Conditions D.2.1 and D.2.2(a), the Permittee shall perform PM and PM_{10} emission stack testing for Wheelabrator shotblaster, utilizing the methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C - Performance Testing.

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

D.2.5 Visible Emissions Notations

(a) Visible Emission Notations

(1) Until the Wheelabrator Shotblaster is permanently shutdown:
Pursuant to 40 CFR 64 (CAM), visible emission notations of the Wheelabrator Shotblaster stack B exhaust shall be performed once per day during normal daylight operations.

(2) Pursuant to 40 CFR 64 (CAM), visible emission notations of the 120” Line Shotblaster stack C exhaust shall be performed once per day during normal daylight operations.

(3) After installation of the ASBF Shotblaster:
Visible emission notations of the ASBF Shotblaster stack B exhaust shall be performed once per day during normal daylight operations.

A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.2.6 Parametric Monitoring

(a) Pursuant to 40 CFR 64 (CAM) and in order to comply with Conditions D.2.1 and D.2.2 (a), (b), and (c), the Permittee shall record the pressure drop across each of the baghouses used in conjunction with the 120" Line Shotblaster line shot blaster, and Wheelabrator shot blaster (until the Wheelabrator Shotblaster is permanently shutdown), at least once per day when the process is in operation.

(b) After installation of the ASBF Shotblaster:In order to comply with Conditions D.2.1 and D.2.2(d), the Permittee shall record the pressure drop across the baghouse used in conjunction with the ASBF Shotblaster at least once per day when the process is in operation.

When for any one reading, the pressure drop across any baghouse is outside the normal range of 2.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

D.2.7 Broken or Failed Bag Detection [40 CFR 64]

(a) For the Wheelabrator Shotblaster (until it is permanently shutdown) and the 120" Line Shotblaster:
Pursuant to 40 CFR 64 (CAM):

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

(2) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

(b) Upon installation of the ASBF Shotblaster:

(1) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut

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

(2) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

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

D.2.8 Record Keeping Requirements

(a) To document compliance with Condition D.2.5, the Permittee shall maintain a daily record of visible emission notations of the 120" Line and Wheelabrator, and ASBF Shotblaster stack C and B exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g., the process did not operate that day).

(b) To document compliance with Condition D.2.6, the Permittee shall maintain a daily record of the pressure drop across the baghouse controlling the 120" Line Wheelabrator, and ASBF Shotblasters. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g., the process did not operate that day).

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

D.2.9 Reporting Requirements

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

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(e) One (1) Finish Mill Hot Rolling, installed in 1977 and with a maximum capacity of 2.625 tons per hour, exhausting inside the building.

(f) One (1) Finish Mill Walking Beam Reheat Furnace, installed in 1995 and rated at 21 million British thermal units per hour, exhausting inside the building.

(g) One (1) 120" Salem Annealing Furnace, installed in 1996 and rated at 39.60 million British thermal units per hour, exhausting inside the building.

(h) One (1) ASBF Annealing Furnace, permitted in 2008, with a maximum capacity of 55 MMBtu/hr, with emissions exhausting inside the building.

(i) One (1) 96” Salem Annealing Furnace-1, installed in 1991 and rated at 32 million British thermal units per hour, exhausting inside the building.

(j) One (1) 96” Salem Annealing Furnace-2, installed in 1991 and rated at 32 million British thermal units per hour, exhausting inside the building.

(k) One (1) Heppenstall Annealing Furnace, installed in 1980 and rated at 10.80 million British thermal units per hour, exhausting inside the building.

(l) One (1) natural gas fired 120" Line Boiler, installed in 1996 and rated at 10.04 million British thermal units per hour and exhausting to stack S-5.

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

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

D.3.1 Particulate Matter Emission Limitation for Source of Indirect Heating [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4(a), the PM emissions from the one (1) 10.04 MMBtu/hr boiler (120” Line Boiler) shall be limited to 0.535 lb/MMBtu heat input based on the following formula:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where: Pt = pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input
Q = Total source maximum operating capacity rating in MMBtu/hr heat input.

New Source Performance Standards [326 IAC 12] [40 CFR Part 60, Subparts A and Dc]

D.3.2 General Provisions Relating to the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units [326 IAC 12] [40 CFR Part 60, Subpart A]

The Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12.

D.3.3 Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units [326 IAC 12] [40 CFR Part 60, Subpart Dc]

The Permittee shall comply with the following provisions of the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR Part 60, Subpart Dc; included as Attachment A of this permit) for the 120" Line Boiler:

40 CFR 60.48c(g): the Permittee shall record and maintain records of the amounts of natural gas combusted in the 120" Line Boiler during each calendar month.

SECTION D.4 FACILITY OPERATION CONDITIONS

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

(a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour.

(1) One (1) natural gas fired boiler, referred to as the Main Bay Boiler #1, installed in 1982, with maximum heat input capacity of 5.33 MMBtu/hr. [326 IAC 6-2-4]

(2) One (1) natural gas fired boiler, referred to as the Main Bay Boiler #2, permitted in 2008, with a maximum heat input capacity of 9.0 MMBtu/hr. [326 IAC 6-2-4]

(3) One (1) North Twin Reheat Furnace, installed in 1977, with a maximum heat input capacity of 9.33 MMBtu/hr, with emissions exhausting inside the building.

(4) One (1) South Twin Reheat Furnace, installed in 1977, with a maximum capacity of 9.33 MMBtu/hr, with emissions exhausting inside the building.

(b) Degreasing operations, installed in 2001, that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 and 40 CFR 63, Subpart T. [326 IAC 8-3-2] [326 IAC 8-3-5]

(c) The following equipment related to manufacturing activities not resulting in the emission of HAPs; brazing equipment, cutting torches, soldering equipment, welding equipment [326 IAC 6-3-2].

(d) Walk Behind Grinder [326 IAC 6-3-2].

(e) Belt Grinders [326 IAC 6-3-2].

(f) Two (2) Plasma Torch Cutters [326 IAC 6-3-2].

(g) Shears [326 IAC 6-3-2].

(h) One lime storage silo [326 IAC 6-3-2].

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

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

D.4.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3] [326 IAC 6-2-4]

(a) Pursuant to 326 IAC 6-2-3(e), the PM emissions from the Main Bay Spray Boiler #1 rated at 5.33 MMBtu/hr, which began operation after June 8, 1972, shall be limited to 0.6 lb/MMBtu heat input.

(b) Pursuant to 326 IAC 6-2-4(a), the PM emissions from the Main Bay Boiler #2 rated at 9.0 MMBtu/hr shall be limited to 0.475 lb/MMBtu heat input based on the following formula:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where: Pt = pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input
Q = Total source maximum operating capacity rating in MMBtu/hr heat input.
Q for the Main Bay Boiler #2 is 24.37 MMBtu/hr.

D.4.2 Particulate Emission Limitations for Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2(e)]

Pursuant to 326 IAC 6-3-2(e), the allowable particulate emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

These include the brazing equipment, cutting torches, soldering equipment, welding equipment, walk behind grinder, belt grinders, plasma torch cutters, shears, and lime storage silo.

D.4.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for Immersion Cleaning Operation constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.4.4 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

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

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label that lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{O}C) (one hundred twenty degrees Fahrenheit (120°F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Outokumpu Stainless, Inc.
Source Address: 549 West State Road 38, New Castle, IN 47362
Mailing Address: 549 West State Road 38, New Castle, IN 47362
Part 70 Permit No.: T 065-17992-00003

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
MC 61-53, IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Outokumpu Stainless, Inc.
Source Address: 549 West State Road 38, New Castle, IN 47362
Mailing Address: 549 West State Road 38, New Castle, IN 47362
Part 70 Permit No.: T 065-17992-00003

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: _____

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: Outokumpu Stainless, Inc.
Source Address: 549 West State Road 38, New Castle, IN 47362
Mailing Address: 549 West State Road 38, New Castle, IN 47362
Part 70 Permit No.: T 065-17992-00003
Facility: 120" Line Pickling (prior to modifications)
Parameter: Metal throughput rate at 120" Line Pickling
Limit: Metal processed rate at 120" Line Pickling shal not exceed 151,500 tons per twelve (12) consecutive month period

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Metal Throughput This Month	**Metal Throughput Previous 11 Months**	**12 Month Total Metal Throughput**

☐ No deviation occurred in this quarter.

☐ Deviations occurred in this quarter.
Deviation has been reported on: _____

Submitted By: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Outokumpu Stainless, Inc.
Source Address: 549 West State Road 38, New Castle, IN 47362
Mailing Address: 549 West State Road 38, New Castle, IN 47362
Part 70 Permit No.: T 065-17992-00003
Facility: 120" Line Pickling (after modifications are complete)
Parameter: Metal throughput rate at 120" Line Pickling
Limit: Metal processed rate at 120" Line Pickling shall not exceed 158,000 tons per twelve (12) consecutive month period

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Metal Throughput This Month	**Metal Throughput Previous 11 Months**	**12 Month Total Metal Throughput**

☐ No deviation occurred in this quarter.

☐ Deviations occurred in this quarter.
Deviation has been reported on: _____

Submitted By: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Outokumpu Stainless, Inc.
Source Address: 549 West State Road 38, New Castle, IN 47362
Mailing Address: 549 West State Road 38, New Castle, IN 47362
Part 70 Permit No.: T 065-17992-00003
Facility: Main Bay Spray Pickling Line
Parameter: Metal throughput rate at Main Bay Spray Pickling Line
Limit: Metal processed rate at Main Bay Spray Pickling Line shall not exceed 75,000 tons per twelve (12) consecutive month period

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Metal Throughput This Month	**Metal Throughput Previous 11 Months**	**12 Month Total Metal Throughput**

☐ No deviation occurred in this quarter.

☐ Deviations occurred in this quarter.
Deviation has been reported on: _____

Submitted By: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Outokumpu Stainless, Inc.
Source Address: 549 West State Road 38, New Castle, IN 47362
Mailing Address: 549 West State Road 38, New Castle, IN 47362
Part 70 Permit No.: T 065-17992-00003
Facility: ASBF Shotblaster
Parameter: Metal throughput rate at the ASBF Shotblaster
Limit: Metal processed rate to the ASBF Shotblaster shall not exceed 75,000 tons per twelve (12) consecutive month period

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Metal Throughput This Month	**Metal Throughput Previous 11 Months**	**12 Month Total Metal Throughput**

☐ No deviation occurred in this quarter.

☐ Deviations occurred in this quarter.
Deviation has been reported on: _____

Submitted By: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Outokumpu Stainless, Inc.
Source Address: 549 West State Road 38, New Castle, IN 47362
Mailing Address: 549 West State Road 38, New Castle, IN 47362
Part 70 Permit No.: T 065-17992-00003

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

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. 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.

Attachment A – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR Part 60, Subpart Dc] [326 IAC 12]

Source Description and Location

Source Name:	Outokumpu Stainless, Inc., Plate Products
Source Location:	549 West State Road 38, New Castle, IN 47632
County:	Henry
SIC Code:	3312
Operation Permit Renewal No.:	T 065-17992-00003
Operation Permit Renewal Issuance Date:	June 19, 2007
Significant Source Modification No.:	065-26100-00003
Significant Permit Modification No.:	065-26242-00003
Permit Reviewer:	Kimberly Cottrell

NSPS [40 CFR Part 60, Subpart Dc]

Subpart Dc—Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

§ 60.40c Applicability and delegation of authority.

(a) Except as provided in paragraph (d) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr).

(b) In delegating implementation and enforcement authority to a State under section 111(c) of the Clean Air Act, §60.48c(a)(4) shall be retained by the Administrator and not transferred to a State.

(c) Steam generating units that meet the applicability requirements in paragraph (a) of this section are not subject to the sulfur dioxide (SO_2) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (§§60.42c, 60.43c, 60.44c, 60.45c, 60.46c, or 60.47c) during periods of combustion research, as defined in §60.41c.

(d) Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under §60.14.

(e) Heat recovery steam generators that are associated with combined cycle gas turbines and meet the applicability requirements of subpart GG or KKKK of this part are not subject to this subpart. This subpart will continue to apply to all other heat recovery steam generators that are capable of combusting more than or equal to 2.9 MW (10 MMBtu/hr) heat input of fossil fuel but less than or equal to 29 MW (100 MMBtu/hr) heat input of fossil fuel. If the heat recovery steam generator is subject to this subpart, only emissions resulting from combustion of fuels in the steam generating unit are subject to this subpart. (The gas turbine emissions are subject to subpart GG or KKKK, as applicable, of this part).

(f) Any facility covered by subpart AAAA of this part is not covered by this subpart.

(g) Any facility covered by an EPA approved State or Federal section 111(d)/129 plan implementing subpart BBBB of this part is not covered by this subpart.

§ 60.41c Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Clean Air Act and in subpart A of this part.

Annual capacity factor means the ratio between the actual heat input to a steam generating unit from an individual fuel or combination of fuels during a period of 12 consecutive calendar months and the potential heat input to the steam generating unit from all fuels had the steam generating unit been operated for 8,760 hours during that 12-month period at the maximum design heat input capacity. In the case of steam generating units that are rented or leased, the actual heat input shall be determined based on the combined heat input from all operations of the affected facility during a period of 12 consecutive calendar months.

Coal means all solid fuels classified as anthracite, bituminous, subbituminous, or lignite by the American Society of Testing and Materials in ASTM D388 (incorporated by reference, see §60.17), coal refuse, and petroleum coke. Coal-derived synthetic fuels derived from coal for the purposes of creating useful heat, including but not limited to solvent refined coal, gasified coal, coal-oil mixtures, and coal-water mixtures, are also included in this definition for the purposes of this subpart.

Coal refuse means any by-product of coal mining or coal cleaning operations with an ash content greater than 50 percent (by weight) and a heating value less than 13,900 kilojoules per kilogram (kJ/kg) (6,000 Btu per pound (Btu/lb) on a dry basis.

Cogeneration steam generating unit means a steam generating unit that simultaneously produces both electrical (or mechanical) and thermal energy from the same primary energy source.

Combined cycle system means a system in which a separate source (such as a stationary gas turbine, internal combustion engine, or kiln) provides exhaust gas to a steam generating unit.

Combustion research means the experimental firing of any fuel or combination of fuels in a steam generating unit for the purpose of conducting research and development of more efficient combustion or more effective prevention or control of air pollutant emissions from combustion, provided that, during these periods of research and development, the heat generated is not used for any purpose other than preheating combustion air for use by that steam generating unit (*i.e.* , the heat generated is released to the atmosphere without being used for space heating, process heating, driving pumps, preheating combustion air for other units, generating electricity, or any other purpose).

Conventional technology means wet flue gas desulfurization technology, dry flue gas desulfurization technology, atmospheric fluidized bed combustion technology, and oil hydrodesulfurization technology.

Distillate oil means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396 (incorporated by reference, see §60.17).

Dry flue gas desulfurization technology means a SO_2 control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline reagent and water, whether introduced separately or as a premixed slurry or solution and forming a dry powder material. This definition includes devices where the dry powder material is subsequently converted to another form. Alkaline reagents used in dry flue gas desulfurization systems include, but are not limited to, lime and sodium compounds.

Duct burner means a device that combusts fuel and that is placed in the exhaust duct from another source (such as a stationary gas turbine, internal combustion engine, kiln, etc.) to allow the firing of additional fuel to heat the exhaust gases before the exhaust gases enter a steam generating unit.

Emerging technology means any SO_2 control system that is not defined as a conventional technology under this section, and for which the owner or operator of the affected facility has received approval from the Administrator to operate as an emerging technology under §60.48c(a)(4).

Federally enforceable means all limitations and conditions that are enforceable by the Administrator, including the requirements of 40 CFR parts 60 and 61, requirements within any applicable State implementation plan, and any permit requirements established under 40 CFR 52.21 or under 40 CFR 51.18 and 51.24.

Fluidized bed combustion technology means a device wherein fuel is distributed onto a bed (or series of beds) of limestone aggregate (or other sorbent materials) for combustion; and these materials are forced upward in the device by the flow of combustion air and the gaseous products of combustion. Fluidized bed combustion technology includes, but is not limited to, bubbling bed units and circulating bed units.

Fuel pretreatment means a process that removes a portion of the sulfur in a fuel before combustion of the fuel in a steam generating unit.

Heat input means heat derived from combustion of fuel in a steam generating unit and does not include the heat derived from preheated combustion air, recirculated flue gases, or exhaust gases from other sources (such as stationary gas turbines, internal combustion engines, and kilns).

Heat transfer medium means any material that is used to transfer heat from one point to another point.

Maximum design heat input capacity means the ability of a steam generating unit to combust a stated maximum amount of fuel (or combination of fuels) on a steady state basis as determined by the physical design and characteristics of the steam generating unit.

Natural gas means: (1) A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or (2) liquefied petroleum (LP) gas, as defined by the American Society for Testing and Materials in ASTM D1835 (incorporated by reference, see §60.17).

Noncontinental area means the State of Hawaii, the Virgin Islands, Guam, American Samoa, the Commonwealth of Puerto Rico, or the Northern Mariana Islands.

Oil means crude oil or petroleum, or a liquid fuel derived from crude oil or petroleum, including distillate oil and residual oil.

Potential sulfur dioxide emission rate means the theoretical SO_2 emissions (nanograms per joule (ng/J) or lb/MMBtu heat input) that would result from combusting fuel in an uncleaned state and without using emission control systems.

Process heater means a device that is primarily used to heat a material to initiate or promote a chemical reaction in which the material participates as a reactant or catalyst.

Residual oil means crude oil, fuel oil that does not comply with the specifications under the definition of distillate oil, and all fuel oil numbers 4, 5, and 6, as defined by the American Society for Testing and Materials in ASTM D396 (incorporated by reference, see §60.17).

Steam generating unit means a device that combusts any fuel and produces steam or heats water or any other heat transfer medium. This term includes any duct burner that combusts fuel and is part of a combined cycle system. This term does not include process heaters as defined in this subpart.

Steam generating unit operating day means a 24-hour period between 12:00 midnight and the following midnight during which any fuel is combusted at any time in the steam generating unit. It is not necessary for fuel to be combusted continuously for the entire 24-hour period.

Wet flue gas desulfurization technology means an SO_2 control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a liquid material. This definition includes devices where the liquid material is subsequently converted to another form. Alkaline reagents used in wet flue gas desulfurization systems include, but are not limited to, lime, limestone, and sodium compounds.

Wet scrubber system means any emission control device that mixes an aqueous stream or slurry with the exhaust gases from a steam generating unit to control emissions of PM or SO_2 .

Wood means wood, wood residue, bark, or any derivative fuel or residue thereof, in any form, including but not limited to sawdust, sanderdust, wood chips, scraps, slabs, millings, shavings, and processed pellets made from wood or other forest residues.

§ 60.42c Standard for sulfur dioxide (SO_2).

(a) Except as provided in paragraphs (b), (c), and (e) of this section, on and after the date on which the performance test is completed or required to be completed under §60.8, whichever date comes first, the owner or operator of an affected facility that combusts only coal shall neither: cause to be discharged into the atmosphere from the affected facility any gases that contain SO_2 in excess of 87 ng/J (0.20 lb/MMBtu) heat input or 10 percent (0.10) of the potential SO_2 emission rate (90 percent reduction), nor cause to be discharged into the atmosphere from the affected facility any gases that contain SO_2 in excess of 520 ng/J (1.2 lb/MMBtu) heat input. If coal is combusted with other fuels, the affected facility shall neither: cause to be discharged into the atmosphere from the affected facility any gases that contain SO_2 in excess of 87 ng/J (0.20 lb/MMBtu) heat input or 10 percent (0.10) of the potential SO_2 emission rate (90 percent reduction), nor cause to be discharged into the atmosphere from the affected facility any gases that contain SO_2 in excess of the emission limit is determined pursuant to paragraph (e)(2) of this section.

(b) Except as provided in paragraphs (c) and (e) of this section, on and after the date on which the performance test is completed or required to be completed under §60.8, whichever date comes first, the owner or operator of an affected facility that:

(1) Combusts only coal refuse alone in a fluidized bed combustion steam generating unit shall neither:

(i) Cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of 87 ng/J (0.20 lb/MMBtu) heat input or 20 percent (0.20) of the potential SO_2 emission rate (80 percent reduction); nor

(ii) Cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of SO_2 in excess of 520 ng/J (1.2 lb/MMBtu) heat input. If coal is fired with coal refuse, the affected facility subject to paragraph (a) of this section. If oil or any other fuel (except coal) is fired with coal refuse, the affected facility is subject to the 87 ng/J (0.20 lb/MMBtu) heat input SO_2 emissions limit or the 90 percent SO_2 reduction requirement specified in paragraph (a) of this section and the emission limit is determined pursuant to paragraph (e)(2) of this section.

(2) Combusts only coal and that uses an emerging technology for the control of SO_2 emissions shall neither:

(i) Cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of 50 percent (0.50) of the potential SO_2 emission rate (50 percent reduction); nor

(ii) Cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of 260 ng/J (0.60 lb/MMBtu) heat input. If coal is combusted with other fuels, the affected facility is subject to the 50 percent SO_2 reduction requirement specified in this paragraph and the emission limit determined pursuant to paragraph (e)(2) of this section.

(c) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, alone or in combination with any other fuel, and is listed in paragraphs (c)(1), (2), (3), or (4) of this section shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of the emission limit determined pursuant to paragraph (e)(2) of this section. Percent reduction requirements are not applicable to affected facilities under paragraphs (c)(1), (2), (3), or (4).

(1) Affected facilities that have a heat input capacity of 22 MW (75 MMBtu/hr) or less.

(2) Affected facilities that have an annual capacity for coal of 55 percent (0.55) or less and are subject to a federally enforceable requirement limiting operation of the affected facility to an annual capacity factor for coal of 55 percent (0.55) or less.

(3) Affected facilities located in a noncontinental area.

(4) Affected facilities that combust coal in a duct burner as part of a combined cycle system where 30 percent (0.30) or less of the heat entering the steam generating unit is from combustion of coal in the duct burner and 70 percent (0.70) or more of the heat entering the steam generating unit is from exhaust gases entering the duct burner.

(d) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of 215 ng/J (0.50 lb/MMBtu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. The percent reduction requirements are not applicable to affected facilities under this paragraph.

(e) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, oil, or coal and oil with any other fuel shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of the following:

(1) The percent of potential SO_2 emission rate or numerical SO_2 emission rate required under paragraph (a) or (b)(2) of this section, as applicable, for any affected facility that

(i) Combusts coal in combination with any other fuel;

(ii) Has a heat input capacity greater than 22 MW (75 MMBtu/hr); and

(iii) Has an annual capacity factor for coal greater than 55 percent (0.55); and

(2) The emission limit determined according to the following formula for any affected facility that combusts coal, oil, or coal and oil with any other fuel:

$$E_s = \frac{(K_a H_a + K_b H_b + K_c H_c)}{(H_a + H_b + H_c)}$$

Where:

E_s= SO_2 emission limit, expressed in ng/J or lb/MMBtu heat input;

K_a= 520 ng/J (1.2 lb/MMBtu);

K_b= 260 ng/J (0.60 lb/MMBtu);

K_c= 215 ng/J (0.50 lb/MMBtu);

H_a= Heat input from the combustion of coal, except coal combusted in an affected facility subject to paragraph (b)(2) of this section, in Joules (J) [MMBtu];

H_b= Heat input from the combustion of coal in an affected facility subject to paragraph (b)(2) of this section, in J (MMBtu); and

$H_cK_aH_b$= Heat input from the combustion of oil, in J (MMBtu).

(f) Reduction in the potential SO_2 emission rate through fuel pretreatment is not credited toward the percent reduction requirement under paragraph (b)(2) of this section unless:

(1) Fuel pretreatment results in a 50 percent (0.50) or greater reduction in the potential SO_2 emission rate; and

(2) Emissions from the pretreated fuel (without either combustion or post-combustion SO_2 control) are equal to or less than the emission limits specified under paragraph (b)(2) of this section.

(g) Except as provided in paragraph (h) of this section, compliance with the percent reduction requirements, fuel oil sulfur limits, and emission limits of this section shall be determined on a 30-day rolling average basis.

(h) For affected facilities listed under paragraphs (h)(1), (2), or (3) of this section, compliance with the emission limits or fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier, as described under §60.48c(f), as applicable.

(1) Distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 MMBtu/hr).

(2) Residual oil-fired affected facilities with heat input capacities between 2.9 and 8.7 MW (10 and 30 MMBtu/hr).

(3) Coal-fired facilities with heat input capacities between 2.9 and 8.7 MW (10 and 30 MMBtu/hr).

(i) The SO_2 emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction.

(j) Only the heat input supplied to the affected facility from the combustion of coal and oil is counted under this section. No credit is provided for the heat input to the affected facility from wood or other fuels or for heat derived from exhaust gases from other sources, such as stationary gas turbines, internal combustion engines, and kilns.

§ 60.43c Standard for particulate matter (PM).

(a) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that commenced construction, reconstruction, or modification on or before February 28, 2005, that combusts coal or combusts mixtures of coal with other fuels and has a heat input capacity of 8.7 MW (30 MMBtu/hr) or greater, shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of the following emission limits:

(1) 22 ng/J (0.051 lb/MMBtu) heat input if the affected facility combusts only coal, or combusts coal with other fuels and has an annual capacity factor for the other fuels of 10 percent (0.10) or less.

(2) 43 ng/J (0.10 lb/MMBtu) heat input if the affected facility combusts coal with other fuels, has an annual capacity factor for the other fuels greater than 10 percent (0.10), and is subject to a federally enforceable requirement limiting operation of the affected facility to an annual capacity factor greater than 10 percent (0.10) for fuels other than coal.

(b) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that commenced construction, reconstruction, or modification on or before February 28, 2005, that combusts wood or combusts mixtures of wood with other fuels (except coal) and has a heat input capacity of 8.7 MW (30 MMBtu/hr) or greater, shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of the following emissions limits:

(1) 43 ng/J (0.10 lb/MMBtu) heat input if the affected facility has an annual capacity factor for wood greater than 30 percent (0.30); or

(2) 130 ng/J (0.30 lb/MMBtu) heat input if the affected facility has an annual capacity factor for wood of 30 percent (0.30) or less and is subject to a federally enforceable requirement limiting operation of the affected facility to an annual capacity factor for wood of 30 percent (0.30) or less.

(c) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood, or oil and has a heat input capacity of 8.7 MW (30 MMBtu/hr) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

(d) The PM and opacity standards under this section apply at all times, except during periods of startup, shutdown, or malfunction.

(e)(1) On and after the date on which the initial performance test is completed or is required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts coal, oil, wood, a mixture of these fuels, or a mixture of these fuels with any other fuels and has a heat input capacity of 8.7 MW (30 MMBtu/hr) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of 13 ng/J (0.030 lb/MMBtu) heat input, except as provided in paragraphs (e)(2), (e)(3), and (e)(4) of this section.

(2) As an alternative to meeting the requirements of paragraph (e)(1) of this section, the owner or operator of an affected facility for which modification commenced after February 28, 2005, may elect to meet the requirements of this paragraph. On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that commences modification after February 28, 2005 shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of both:

(i) 22 ng/J (0.051 lb/MMBtu) heat input derived from the combustion of coal, oil, wood, a mixture of these fuels, or a mixture of these fuels with any other fuels; and

(ii) 0.2 percent of the combustion concentration (99.8 percent reduction) when combusting coal, oil, wood, a mixture of these fuels, or a mixture of these fuels with any other fuels.

(3) On and after the date on which the initial performance test is completed or is required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that commences modification after February 28, 2005, and that combusts over 30 percent wood (by heat input) on an annual basis and has a heat input capacity of 8.7 MW (30 MMBtu/hr) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of 43 ng/J (0.10 lb/MMBtu) heat input.

(4) On and after the date on which the initial performance test is completed or is required to be completed under §60.8, whichever date comes first, an owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts only oil that contains no more than 0.50 weight percent sulfur or a mixture of 0.50 weight percent sulfur oil with other fuels not subject to a PM standard under §60.43c and not using a post-combustion technology (except a wet scrubber) to reduce PM or SO_2 emissions is not subject to the PM limit in this section.

§ 60.44c Compliance and performance test methods and procedures for sulfur dioxide.

(a) Except as provided in paragraphs (g) and (h) of this section and §60.8(b), performance tests required under §60.8 shall be conducted following the procedures specified in paragraphs (b), (c), (d), (e), and (f) of this section, as applicable. Section 60.8(f) does not apply to this section. The 30-day notice required in §60.8(d) applies only to the initial performance test unless otherwise specified by the Administrator.

(b) The initial performance test required under §60.8 shall be conducted over 30 consecutive operating days of the steam generating unit. Compliance with the percent reduction requirements and SO_2 emission limits under §60.42c shall be determined using a 30-day average. The first operating day included in the initial performance test shall be scheduled within 30 days after achieving the maximum production rate at which the affect facility will be operated, but not later than 180 days after the initial startup of the facility. The steam generating unit load during the 30-day period does not have to be the maximum design heat input capacity, but must be representative of future operating conditions.

(c) After the initial performance test required under paragraph (b) of this section and §60.8, compliance with the percent reduction requirements and SO_2 emission limits under §60.42c is based on the average percent reduction and the average SO_2 emission rates for 30 consecutive steam generating unit operating days. A separate performance test is completed at the end of each steam generating unit operating day, and a new 30-day average percent reduction and SO_2 emission rate are calculated to show compliance with the standard.

(d) If only coal, only oil, or a mixture of coal and oil is combusted in an affected facility, the procedures in Method 19 of appendix A of this part are used to determine the hourly SO_2 emission rate (E_{ho}) and the 30-day average SO_2 emission rate (E_{ao}). The hourly averages used to compute the 30-day averages are obtained from the CEMS. Method 19 of appendix A of this part shall be used to calculate $E_{ao}$when using daily fuel sampling or Method 6B of appendix A of this part.

(e) If coal, oil, or coal and oil are combusted with other fuels:

(1) An adjusted E_{ho}(E_{ho}o) is used in Equation 19–19 of Method 19 of appendix A of this part to compute the adjusted E_{ao}(E_{ao}o). The E_{ho}o is computed using the following formula:

$$E_{ho}o = \frac{E_{ho} - E_w(1 - X_k)}{X_k}$$

Where:

E_{ho}o = Adjusted E_{ho}, ng/J (lb/MMBtu);

E_{ho}= Hourly SO_2 emission rate, ng/J (lb/MMBtu);

E_w= SO_2 concentration in fuels other than coal and oil combusted in the affected facility, as determined by fuel sampling and analysis procedures in Method 9 of appendix A of this part, ng/J (lb/MMBtu). The value $E_w$for each fuel lot is used for each hourly average during the time that the lot is being combusted. The owner or operator does not have to measure $E_w$if the owner or operator elects to assume E_w= 0.

X_k= Fraction of the total heat input from fuel combustion derived from coal and oil, as determined by applicable procedures in Method 19 of appendix A of this part.

(2) The owner or operator of an affected facility that qualifies under the provisions of §60.42c(c) or (d) (where percent reduction is not required) does not have to measure the parameters $E_w$or $X_k$if the owner or operator of the affected facility elects to measure emission rates of the coal or oil using the fuel sampling and analysis procedures under Method 19 of appendix A of this part.

(f) Affected facilities subject to the percent reduction requirements under §60.42c(a) or (b) shall determine compliance with the SO_2 emission limits under §60.42c pursuant to paragraphs (d) or (e) of this section, and shall determine compliance with the percent reduction requirements using the following procedures:

(1) If only coal is combusted, the percent of potential SO_2 emission rate is computed using the following formula:

$$\%P_s = 100\left(1 - \frac{\%R_g}{100}\right)\left(1 - \frac{\%R_f}{100}\right)$$

Where:

$\%P_s$= Potential SO_2 emission rate, in percent;

$\%R_g$= SO_2 removal efficiency of the control device as determined by Method 19 of appendix A of this part, in percent; and

$\%R_f$= SO_2 removal efficiency of fuel pretreatment as determined by Method 19 of appendix A of this part, in percent.

(2) If coal, oil, or coal and oil are combusted with other fuels, the same procedures required in paragraph (f)(1) of this section are used, except as provided for in the following:

(i) To compute the $\%P_s$, an adjusted $\%R_g$($\%R_g$o) is computed from E_{ao}o from paragraph (e)(1) of this section and an adjusted average SO_2 inlet rate (E_{ai}o) using the following formula:

$$\%R_g o = 100\left(1 - \frac{E^{\circ}_{ao}}{E^{\circ}_{ai}}\right)$$

Where:

$\%R_g$o = Adjusted $\%R_g$, in percent;

E_{ao}o = Adjusted E_{ao}, ng/J (lb/MMBtu); and

E_{ai}o = Adjusted average SO_2 inlet rate, ng/J (lb/MMBtu).

(ii) To compute E_{ai}o, an adjusted hourly SO_2 inlet rate (E_{hi}o) is used. The E_{hi}o is computed using the following formula:

$$E_{hi}o = \frac{E_{hi} - E_w(1 - X_k)}{X_k}$$

Where:

E_{hi}o = Adjusted E_{hi}, ng/J (lb/MMBtu);

E_{hi}= Hourly SO_2 inlet rate, ng/J (lb/MMBtu);

E_w= SO_2 concentration in fuels other than coal and oil combusted in the affected facility, as determined by fuel sampling and analysis procedures in Method 19 of appendix A of this part, ng/J (lb/MMBtu). The value $E_w$for each fuel lot is used for each hourly average during the time that the lot is being combusted. The owner or operator does not have to measure $E_w$if the owner or operator elects to assume E_w= 0; and

X_k= Fraction of the total heat input from fuel combustion derived from coal and oil, as determined by applicable procedures in Method 19 of appendix A of this part.

(g) For oil-fired affected facilities where the owner or operator seeks to demonstrate compliance with the fuel oil sulfur limits under §60.42c based on shipment fuel sampling, the initial performance test shall consist of sampling and analyzing the oil in the initial tank of oil to be fired in the steam generating unit to demonstrate that the oil contains 0.5 weight percent sulfur or less. Thereafter, the owner or operator of the affected facility shall sample the oil in the fuel tank after each new shipment of oil is received, as described under §60.46c(d)(2).

(h) For affected facilities subject to §60.42c(h)(1), (2), or (3) where the owner or operator seeks to demonstrate compliance with the SO_2 standards based on fuel supplier certification, the performance test shall consist of the certification, the certification from the fuel supplier, as described under §60.48c(f), as applicable.

(i) The owner or operator of an affected facility seeking to demonstrate compliance with the SO_2 standards under §60.42c(c)(2) shall demonstrate the maximum design heat input capacity of the steam generating unit by operating the steam generating unit at this capacity for 24 hours. This demonstration shall be made during the initial performance test, and a subsequent demonstration may be requested at any other time. If the demonstrated 24-hour average firing rate for the affected facility is less than the maximum design heat input capacity stated by the manufacturer of the affected facility, the demonstrated 24-hour average firing rate shall be used to determine the annual capacity factor for the affected facility; otherwise, the maximum design heat input capacity provided by the manufacturer shall be used.

(j) The owner or operator of an affected facility shall use all valid SO_2 emissions data in calculating $\%P_s$ and E_{ho} under paragraphs (d), (e), or (f) of this section, as applicable, whether or not the minimum emissions data requirements under §60.46c(f) are achieved. All valid emissions data, including valid data collected during periods of startup, shutdown, and malfunction, shall be used in calculating $\%P_s$ or E_{ho} pursuant to paragraphs (d), (e), or (f) of this section, as applicable.

§ 60.45c Compliance and performance test methods and procedures for particulate matter.

(a) The owner or operator of an affected facility subject to the PM and/or opacity standards under §60.43c shall conduct an initial performance test as required under §60.8, and shall conduct subsequent performance tests as requested by the Administrator, to determine compliance with the standards using the following procedures and reference methods, except as specified in paragraph (c) of this section.

(1) Method 1 of appendix A of this part shall be used to select the sampling site and the number of traverse sampling points.

(2) Method 3 of appendix A of this part shall be used for gas analysis when applying Method 5, 5B, or 17 of appendix A of this part.

(3) Method 5, 5B, or 17 of appendix A of this part shall be used to measure the concentration of PM as follows:

(i) Method 5 of appendix A of this part may be used only at affected facilities without wet scrubber systems.

(ii) Method 17 of appendix A of this part may be used at affected facilities with or without wet scrubber systems provided the stack gas temperature does not exceed a temperature of 160 °C (320 °F). The procedures of Sections 8.1 and 11.1 of Method 5B of appendix A of this part may be used in Method 17 of appendix A of this part only if Method 17 of appendix A of this part is used in conjunction with a wet scrubber system. Method 17 of appendix A of this part shall not be used in conjunction with a wet scrubber system if the effluent is saturated or laden with water droplets.

(iii) Method 5B of appendix A of this part may be used in conjunction with a wet scrubber system.

(4) The sampling time for each run shall be at least 120 minutes and the minimum sampling volume shall be 1.7 dry standard cubic meters (dscm) [60 dry standard cubic feet (dscf)] except that smaller sampling times or volumes may be approved by the Administrator when necessitated by process variables or other factors.

(5) For Method 5 or 5B of appendix A of this part, the temperature of the sample gas in the probe and filter holder shall be monitored and maintained at 160 ±14 °C (320±25 °F).

(6) For determination of PM emissions, an oxygen (O_2) or carbon dioxide (CO_2) measurement shall be obtained simultaneously with each run of Method 5, 5B, or 17 of appendix A of this part by traversing the duct at the same sampling location.

(7) For each run using Method 5, 5B, or 17 of appendix A of this part, the emission rates expressed in ng/J (lb/MMBtu) heat input shall be determined using:

(i) The O_2 or CO_2 measurements and PM measurements obtained under this section, (ii) The dry basis F factor, and

(iii) The dry basis emission rate calculation procedure contained in Method 19 of appendix A of this part.

(8) Method 9 of appendix A of this part (6-minute average of 24 observations) shall be used for determining the opacity of stack emissions.

(b) The owner or operator of an affected facility seeking to demonstrate compliance with the PM standards under §60.43c(b)(2) shall demonstrate the maximum design heat input capacity of the steam generating unit by operating the steam generating unit at this capacity for 24 hours. This demonstration shall be made during the initial performance test, and a subsequent demonstration may be requested at any other time. If the demonstrated 24-hour average firing rate for the affected facility is less than the maximum design heat input capacity stated by the manufacturer of the affected facility, the demonstrated 24-hour average firing rate shall be used to determine the annual capacity factor for the affected facility; otherwise, the maximum design heat input capacity provided by the manufacturer shall be used.

(c) In place of PM testing with EPA Reference Method 5, 5B, or 17 of appendix A of this part, an owner or operator may elect to install, calibrate, maintain, and operate a CEMS for monitoring PM emissions discharged to the atmosphere and record the output of the system. The owner or operator of an affected facility who elects to continuously monitor PM emissions instead of conducting performance testing using EPA Method 5, 5B, or 17 of appendix A of this part shall install, calibrate, maintain, and operate a CEMS and shall comply with the requirements specified in paragraphs (c)(1) through (c)(13) of this section.

(1) Notify the Administrator 1 month before starting use of the system.

(2) Notify the Administrator 1 month before stopping use of the system.

(3) The monitor shall be installed, evaluated, and operated in accordance with §60.13 of subpart A of this part.

(4) The initial performance evaluation shall be completed no later than 180 days after the date of initial startup of the affected facility, as specified under §60.8 of subpart A of this part or within 180 days of notification to the Administrator of use of CEMS if the owner or operator was previously determining compliance by Method 5, 5B, or 17 of appendix A of this part performance tests, whichever is later.

(5) The owner or operator of an affected facility shall conduct an initial performance test for PM emissions as required under §60.8 of subpart A of this part. Compliance with the PM emission limit shall be determined by using the CEMS specified in paragraph (d) of this section to measure PM and calculating a 24-hour block arithmetic average emission concentration using EPA Reference Method 19 of appendix A of this part, section 4.1.

(6) Compliance with the PM emission limit shall be determined based on the 24-hour daily (block) average of the hourly arithmetic average emission concentrations using CEMS outlet data.

(7) At a minimum, valid CEMS hourly averages shall be obtained as specified in paragraph (d)(7)(i) of this section for 75 percent of the total operating hours per 30-day rolling average.

(i) At least two data points per hour shall be used to calculate each 1-hour arithmetic average.

(ii) [Reserved]

(8) The 1-hour arithmetic averages required under paragraph (d)(7) of this section shall be expressed in ng/J or lb/MMBtu heat input and shall be used to calculate the boiler operating day daily arithmetic average emission concentrations. The 1-hour arithmetic averages shall be calculated using the data points required under §60.13(e)(2) of subpart A of this part.

(9) All valid CEMS data shall be used in calculating average emission concentrations even if the minimum CEMS data requirements of paragraph (d)(7) of this section are not met.

(10) The CEMS shall be operated according to Performance Specification 11 in appendix B of this part.

(11) During the correlation testing runs of the CEMS required by Performance Specification 11 in appendix B of this part, PM and O_2 (or CO_2) data shall be collected concurrently (or within a 30- to 60-minute period) by both the continuous emission monitors and the test methods specified in paragraph (d)(7)(i) of this section.

(i) For PM, EPA Reference Method 5, 5B, or 17 of appendix A of this part shall be used.

(ii) For O_2 (or CO_2), EPA reference Method 3, 3A, or 3B of appendix A of this part, as applicable shall be used.

(12) Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with procedure 2 in appendix F of this part. Relative Response Audit's must be performed annually and Response Correlation Audits must be performed every 3 years.

(13) When PM emissions data are not obtained because of CEMS breakdowns, repairs, calibration checks, and zero and span adjustments, emissions data shall be obtained by using other monitoring systems as approved by the Administrator or EPA Reference Method 19 of appendix A of this part to provide, as necessary, valid emissions data for a minimum of 75 percent of total operating hours on a 30-day rolling average.

(d) The owner or operator of an affected facility seeking to demonstrate compliance under §60.43c(e)(4) shall follow the applicable procedures under §60.48c(f). For residual oil-fired affected facilities, fuel supplier certifications are only allowed for facilities with heat input capacities between 2.9 and 8.7 MW (10 to 30 MMBtu/hr).

§ 60.46c Emission monitoring for sulfur dioxide.

(a) Except as provided in paragraphs (d) and (e) of this section, the owner or operator of an affected facility subject to the SO_2 emission limits under §60.42c shall install, calibrate, maintain, and operate a CEMS for measuring SO_2 concentrations and either O_2 or CO_2 concentrations at the outlet of the SO_2 control device (or the outlet of the steam generating unit if no SO_2 control device is used), and shall record the output of the system. The owner or operator of an affected facility subject to the percent reduction requirements under §60.42c shall measure SO_2 concentrations and either O_2 or CO_2 concentrations at both the inlet and outlet of the SO_2 control device.

(b) The 1-hour average SO_2 emission rates measured by a CEMS shall be expressed in ng/J or lb/MMBtu heat input and shall be used to calculate the average emission rates under §60.42c. Each 1-hour average SO_2 emission rate must be based on at least 30 minutes of operation, and shall be calculated using the data points required under §60.13(h)(2). Hourly SO_2 emission rates are not calculated if the affected facility is operated less than 30 minutes in a 1-hour period and are not counted toward determination of a steam generating unit operating day.

(c) The procedures under §60.13 shall be followed for installation, evaluation, and operation of the CEMS.

(1) All CEMS shall be operated in accordance with the applicable procedures under Performance Specifications 1, 2, and 3 of appendix B of this part.

(2) Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with Procedure 1 of appendix F of this part.

(3) For affected facilities subject to the percent reduction requirements under §60.42c, the span value of the SO_2 CEMS at the inlet to the SO_2 control device shall be 125 percent of the maximum estimated hourly potential SO_2 emission rate of the fuel combusted, and the span value of the SO_2 CEMS at the outlet from the SO_2 control device shall be 50 percent of the maximum estimated hourly potential SO_2 emission rate of the fuel combusted.

(4) For affected facilities that are not subject to the percent reduction requirements of §60.42c, the span value of the SO_2 CEMS at the outlet from the SO_2 control device (or outlet of the steam generating unit if no SO_2 control device is used) shall be 125 percent of the maximum estimated hourly potential SO_2 emission rate of the fuel combusted.

(d) As an alternative to operating a CEMS at the inlet to the SO_2 control device (or outlet of the steam generating unit if no SO_2 control device is used) as required under paragraph (a) of this section, an owner or operator may elect to determine the average SO_2 emission rate by sampling the fuel prior to combustion. As an alternative to operating a CEMS at the outlet from the SO_2 control device (or outlet of the steam generating unit if no SO_2 control device is used) as required under paragraph (a) of this section, an owner or operator may elect to determine the average SO_2 emission rate by using Method 6B of appendix A of this part. Fuel sampling shall be conducted pursuant to either paragraph (d)(1) or (d)(2) of this section. Method 6B of appendix A of this part shall be conducted pursuant to paragraph (d)(3) of this section.

(1) For affected facilities combusting coal or oil, coal or oil samples shall be collected daily in an as-fired condition at the inlet to the steam generating unit and analyzed for sulfur content and heat content according the Method 19 of appendix A of this part. Method 19 of appendix A of this part provides procedures for converting these measurements into the format to be used in calculating the average SO_2 input rate.

(2) As an alternative fuel sampling procedure for affected facilities combusting oil, oil samples may be collected from the fuel tank for each steam generating unit immediately after the fuel tank is filled and before any oil is combusted. The owner or operator of the affected facility shall analyze the oil sample to determine the sulfur content of the oil. If a partially empty fuel tank is refilled, a new sample and analysis of the fuel in the tank would be required upon filling. Results of the fuel analysis taken after each new shipment of oil is received shall be used as the daily value when calculating the 30-day rolling average until the next shipment is received. If the fuel analysis shows that the sulfur content in the fuel tank is greater than 0.5 weight percent sulfur, the owner or operator shall ensure that the sulfur content of subsequent oil shipments is low enough to cause the 30-day rolling average sulfur content to be 0.5 weight percent sulfur or less.

(3) Method 6B of appendix A of this part may be used in lieu of CEMS to measure SO_2 at the inlet or outlet of the SO_2 control system. An initial stratification test is required to verify the adequacy of the Method 6B of appendix A of this part sampling location. The stratification test shall consist of three paired runs of a suitable SO_2 and CO_2 measurement train operated at the candidate location and a second similar train operated according to the procedures in §3.2 and the applicable procedures in section 7 of Performance Specification 2 of appendix B of this part. Method 6B of appendix A of this part, Method 6A of appendix A of this part, or a combination of Methods 6 and 3 of appendix A of this part or Methods 6C and 3A of appendix A of this part are suitable measurement techniques. If Method 6B of appendix A of this part is used for the second train, sampling time and timer operation may be adjusted for the stratification test as long as an adequate sample volume is collected; however, both sampling trains are to be operated similarly. For the location to be adequate for Method 6B of appendix A of this part 24-hour tests, the mean of the absolute difference between the three paired runs must be less than 10 percent (0.10).

(e) The monitoring requirements of paragraphs (a) and (d) of this section shall not apply to affected facilities subject to §60.42c(h) (1), (2), or (3) where the owner or operator of the affected facility seeks to demonstrate compliance with the SO_2 standards based on fuel supplier certification, as described under §60.48c(f), as applicable.

(f) The owner or operator of an affected facility operating a CEMS pursuant to paragraph (a) of this section, or conducting as-fired fuel sampling pursuant to paragraph (d)(1) of this section, shall obtain emission data for at least 75 percent of the operating hours in at least 22 out of 30 successive steam generating unit operating days. If this minimum data requirement is not met with a single monitoring system, the owner or operator of the affected facility shall supplement the emission data with data collected with other monitoring systems as approved by the Administrator.

§ 60.47c Emission monitoring for particulate matter.

(a) Except as provided in paragraphs (c), (d), (e), and (f) of this section, the owner or operator of an affected facility combusting coal, oil, or wood that is subject to the opacity standards under §60.43c shall install, calibrate, maintain, and operate a COMS for measuring the opacity of the emissions discharged to the atmosphere and record the output of the system.

(b) All COMS for measuring opacity shall be operated in accordance with the applicable procedures under Performance Specification 1 of appendix B of this part. The span value of the opacity COMS shall be between 60 and 80 percent.

(c) Affected facilities that burn only distillate oil that contains no more than 0.5 weight percent sulfur and/or liquid or gaseous fuels with potential sulfur dioxide emission rates of 26 ng/J (0.06 lb/MMBtu) heat input or less and that do not use a post-combustion technology to reduce SO_2 or PM emissions are not required to operate a CEMS for measuring opacity if they follow the applicable procedures under §60.48c(f).

(d) Owners or operators complying with the PM emission limit by using a PM CEMS monitor instead of monitoring opacity must calibrate, maintain, and operate a CEMS, and record the output of the system, for PM emissions discharged to the atmosphere as specified in §60.45c(d). The CEMS specified in paragraph §60.45c(d) shall be operated and data recorded during all periods of operation of the affected facility except for CEMS breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments.

(e) An affected facility that does not use post-combustion technology (except a wet scrubber) for reducing PM, SO_2 , or carbon monoxide (CO) emissions, burns only gaseous fuels or fuel oils that contain less than or equal to 0.5 weight percent sulfur, and is operated such that emissions of CO to the atmosphere from the affected facility are maintained at levels less than or equal to 0.15 lb/MMBtu on a boiler operating day average basis is not required to operate a COMS for measuring opacity. Owners and operators of affected facilities electing to comply with this paragraph must demonstrate compliance according to the procedures specified in paragraphs (e)(1) through (4) of this section.

(1) You must monitor CO emissions using a CEMS according to the procedures specified in paragraphs (e)(1)(i) through (iv) of this section.

(i) The CO CEMS must be installed, certified, maintained, and operated according to the provisions in §60.58b(i)(3) of subpart Eb of this part.

(ii) Each 1-hour CO emissions average is calculated using the data points generated by the CO CEMS expressed in parts per million by volume corrected to 3 percent oxygen (dry basis).

(iii) At a minimum, valid 1-hour CO emissions averages must be obtained for at least 90 percent of the operating hours on a 30-day rolling average basis. At least two data points per hour must be used to calculate each 1-hour average.

(iv) Quarterly accuracy determinations and daily calibration drift tests for the CO CEMS must be performed in accordance with procedure 1 in appendix F of this part.

(2) You must calculate the 1-hour average CO emissions levels for each steam generating unit operating day by multiplying the average hourly CO output concentration measured by the CO CEMS times the corresponding average hourly flue gas flow rate and divided by the corresponding average hourly heat input to the affected source. The 24-hour average CO emission level is determined by calculating the arithmetic average of the hourly CO emission levels computed for each steam generating unit operating day.

(3) You must evaluate the preceding 24-hour average CO emission level each steam generating unit operating day excluding periods of affected source startup, shutdown, or malfunction. If the 24-hour average CO emission level is greater than 0.15 lb/MMBtu, you must initiate investigation of the relevant equipment and control systems within 24 hours of the first discovery of the high emission incident and, take the appropriate corrective action as soon as practicable to adjust control settings or repair equipment to reduce the 24-hour average CO emission level to 0.15 lb/MMBtu or less.

(4) You must record the CO measurements and calculations performed according to paragraph (e) of this section and any corrective actions taken. The record of corrective action taken must include the date and time during which the 24-hour average CO emission level was greater than 0.15 lb/MMBtu, and the date, time, and description of the corrective action.

(f) An affected facility that burns only gaseous fuels or fuel oils that contain less than or equal to 0.5 weight percent sulfur and operates according to a written site-specific monitoring plan approved by the appropriate delegated permitting authority is not required to operate a COMS for measuring opacity. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard.

§ 60.48c Reporting and recordkeeping requirements.

(a) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7 of this part. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

(2) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under §60.42c, or §60.43c.

(3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

(4) Notification if an emerging technology will be used for controlling SO_2 emissions. The Administrator will examine the description of the control device and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of §60.42c(a) or (b)(1), unless and until this determination is made by the Administrator.

(b) The owner or operator of each affected facility subject to the SO_2 emission limits of §60.42c, or the PM or opacity limits of §60.43c, shall submit to the Administrator the performance test data from the initial and any subsequent performance tests and, if applicable, the performance evaluation of the CEMS and/or COMS using the applicable performance specifications in appendix B of this part.

(c) The owner or operator of each coal-fired, oil-fired, or wood-fired affected facility subject to the opacity limits under §60.43c(c) shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period.

(d) The owner or operator of each affected facility subject to the SO_2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit reports to the Administrator.

(e) The owner or operator of each affected facility subject to the SO_2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records and submit reports as required under paragraph (d) of this section, including the following information, as applicable.

(1) Calendar dates covered in the reporting period.

(2) Each 30-day average SO_2 emission rate (ng/J or lb/MMBtu), or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of corrective actions taken.

(3) Each 30-day average percent of potential SO_2 emission rate calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of the corrective actions taken.

(4) Identification of any steam generating unit operating days for which SO_2 or diluent (O_2 or CO_2) data have not been obtained by an approved method for at least 75 percent of the operating hours; justification for not obtaining sufficient data; and a description of corrective actions taken.

(5) Identification of any times when emissions data have been excluded from the calculation of average emission rates; justification for excluding data; and a description of corrective actions taken if data have been excluded for periods other than those during which coal or oil were not combusted in the steam generating unit.

(6) Identification of the F factor used in calculations, method of determination, and type of fuel combusted.

(7) Identification of whether averages have been obtained based on CEMS rather than manual sampling methods.

(8) If a CEMS is used, identification of any times when the pollutant concentration exceeded the full span of the CEMS.

(9) If a CEMS is used, description of any modifications to the CEMS that could affect the ability of the CEMS to comply with Performance Specifications 2 or 3 of appendix B of this part.

(10) If a CEMS is used, results of daily CEMS drift tests and quarterly accuracy assessments as required under appendix F, Procedure 1 of this part.

(11) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1), (2), (3), or (4) of this section, as applicable. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

(f) Fuel supplier certification shall include the following information:

(1) For distillate oil:

(i) The name of the oil supplier;

(ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c; and

(iii) The sulfur content of the oil.

(2) For residual oil:

(i) The name of the oil supplier;

(ii) The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location;

(iii) The sulfur content of the oil from which the shipment came (or of the shipment itself); and

(iv) The method used to determine the sulfur content of the oil.

(3) For coal:

(i) The name of the coal supplier;

(ii) The location of the coal when the sample was collected for analysis to determine the properties of the coal, specifically including whether the coal was sampled as delivered to the affected facility or whether the sample was collected from coal in storage at the mine, at a coal preparation plant, at a coal supplier's facility, or at another location. The certification shall include the name of the coal mine (and coal seam), coal storage facility, or coal preparation plant (where the sample was collected);

(iii) The results of the analysis of the coal from which the shipment came (or of the shipment itself) including the sulfur content, moisture content, ash content, and heat content; and

(iv) The methods used to determine the properties of the coal.

(4) For other fuels:

(i) The name of the supplier of the fuel;

(ii) The potential sulfur emissions rate of the fuel in ng/J heat input; and

(iii) The method used to determine the potential sulfur emissions rate of the fuel.

(g)(1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO_2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

(3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in §60.42C to use fuel certification to demonstrate compliance with the SO_2 standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

(h) The owner or operator of each affected facility subject to a federally enforceable requirement limiting the annual capacity factor for any fuel or mixture of fuels under §60.42c or §60.43c shall calculate the annual capacity factor individually for each fuel combusted. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of the calendar month.

(i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

(j) The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the Technical Support Document (TSD)
for a Part 70 Significant Permit Modification

Source Description and Location

Source Name:	Outokumpu Stainless, Inc., Plate Products
Source Location:	549 West State Road 38, New Castle, IN 47632
County:	Henry
SIC Code:	3312
Operation Permit Renewal No.:	T 065-17992-00003
Operation Permit Renewal Issuance Date:	June 19, 2007
Significant Permit Modification No.:	065-26242-00003
Permit Reviewer:	Kimberly Cottrell

Public Notice Information

On May 28, 2008, the Office of Air Quality (OAQ) had a notice published in Courier Times in New Castle, Indiana, stating that the Outokumpu Stainless, Inc., Plate Products had applied for a significant modification to their Part 70 Operating Permit Renewal issued on June 19, 2007. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Other Changes

OAQ did not receive any comments with respect to the draft or proposed significant permit modification; however, upon further review, the OAQ has decided to make the following revisions to the permit:

Change No. 1:

There was a typographical error in the header of Attachment A to the permit. The changes to the document are as follows (language deleted is shown in ~~strikeout~~ and language added is shown in **bold**):

~~APG, Inc./KIK Custom Products Indiana Plant Page 2 of 17~~
~~Elkhart, Indiana Significant Source Modification No. 039-25992-00434 T 039-21106-00434~~
~~Permit Reviewer: Kimberly Cottrell Significant Permit Modification No. 039-26036-00434~~

Outokumpu Stainless, Inc., Plate Products Page 2 of 17
New castle, Indiana Significant Source Modification No. 065-26100-00003 T 065-17992-00003
Permit Reviewer: Kimberly Cottrell Significant Permit Modification No. 065-26242-00003

IDEM Contact

Questions regarding this proposed permit can be directed to:

Kimberly Cottrell
Indiana Department Environmental Management
Office of Air Quality
100 North Senate Avenue
MC 61-53, Room 1003
Indianapolis, Indiana 46204-2251
Toll free (within Indiana): 1-800-451-6027 extension 3-0870
Or dial directly: (317) 233-0870
kcottrel@idem.in.gov

Please refer to Significant Source Modification No. 065-26100-00003 and Significant Permit Modification No. 065-26242-00003 in all correspondence.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location

Source Name:	Outokumpu Stainless, Inc., Plate Products
Source Location:	549 West State Road 38, New Castle, IN 47632
County:	Henry
SIC Code:	3312
Operation Permit Renewal No.:	T 065-17992-00003
Operation Permit Renewal Issuance Date:	June 19, 2007
Significant Source Modification No.:	065-26100-00003
Significant Permit Modification No.:	065-26242-00003
Permit Reviewer:	Kimberly Cottrell

Existing Approvals

The source was issued Part 70 Operating Permit Renewal No. T 065-17992-00003 on June 19, 2007. The source has not received any other approvals since issuance of the Part 70 Operating Permit Renewal.

County Attainment Status

The source is located in Henry County.

Table 1: County Attainment Status

Pollutant	Designation
CO	Unclassifiable or attainment effective November 15, 1990.
Pb	Not designated.
NO_2	Cannot be classified or better than national standards.
O_3	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
SO_2	Better than national standards.

[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.
Unclassifiable or attainment effective April 5, 2005, for PM2.5.

(a) Volatile organic compounds (VOC) and Nitrogen Oxides (NO_X) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and NO_X emissions are considered when evaluating the rule applicability relating to ozone. Henry County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and NO_X emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(b) Henry County has been classified as attainment for $PM_{2.5}$. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for $PM_{2.5}$ emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for $PM_{2.5}$ emissions, it has directed states to regulate PM_{10} emissions as a surrogate for $PM_{2.5}$ emissions.

(c) Henry County has been classified as attainment or unclassifiable for CO, NO_2, PM_{10}, SO_2, and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) Fugitive Emissions
This type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, however, there is an applicable New Source Performance Standard (NSPS) that was in effect on August 7, 1980, therefore fugitive emissions are counted toward the determination of PSD and Emission Offset applicability for boilers subject to the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR Part 60, Subpart Dc).

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:

Table 2: Source Status PTE

Pollutant	**Emissions** (ton/yr)
CO	Less than 100
NO_X	Greater than 250
PM	Greater than 250
PM_{10}	Greater than 250
SO_2	Less than 100
VOC	Less than 250
HAP: HF	Greater than 10
Total HAP	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 250 tons per year or more, and it is not 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 a nonattainment regulated pollutant is emitted at a rate of 100 tons per year or more.

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

(d) These emissions are based upon Part 70 Operating Permit Renewal No. T 065-17992-00003 on June 19, 2007.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2004 OAQ emission data.

Table 3: Actual Emissions

Pollutant	**Actual Emissions** (ton/yr)
CO	10.54
NO_X	166.25
PM	12.87
PM_{10}	80.95
$PM_{2.5}$	72.28
SO_2	16.85
VOC	1.10
HAP: Hydrogen Fluoride (HF)	21.33
Total HAPs	not reported

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Outokumpu Stainless, Inc., Plate Products on February 14, 2008. The following is a list of the proposed new and modified emission units and pollution control devices:

New Emission Units:

- One (1) ASBF Shotblaster, permitted in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a baghouse and exhausting to stack B.
- One (1) ASBF Annealing Furnace, permitted in 2008, with a maximum heat input capacity of 55 MMBtu/hr, with emissions exhausting inside the building.
- One (1) natural gas fired boiler, referred to as the Main Bay Boiler #2, permitted in 2008, with a maximum heat input capacity of 9.0 MMBtu/hr. [326 IAC 6-2-4]
- One (1) Belt Grinder [326 IAC 6-3-2].

Modified Emission Units:

- One (1) 120" ~~line pickling~~ **Line Pickling**, installed in 1996 **and modified in 2008**, with a maximum capacity of 30 tons per hour, ~~equipped with an optional wet scrubber as control device,~~ **with emissions controlled by a wet scrubber** and exhausting to stack E.

- ~~One (1) Batch pickling line, installed in 1944 and with a maximum capacity of 15 tons per hour, exhausting inside the building.~~ **One (1) Main Bay Spray Pickling Line, installed in 1944 and modified in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a wet scrubber and exhausting through stack F.**

Outokumpu proposes to limit emissions of each regulated pollutant from the entire source to less than 250 tons per year after the modification. As a result, the source will become an existing minor source under Prevention of Significant Deterioration (PSD) after the proposed modification.

Emission Units to be Removed

The following emission units are to be decommissioned and removed from the source:

- One (1) Slab Mill Walking Beam Reheat Furnace-1, installed in 1962 and rated at 43.30 million British thermal units per hour, exhausting to stack S-1.
- One (1) Slab Mill Reheat Furnace-2, installed in 1962 and rated at 51.58 British thermal units per hour, exhausting inside the building.
- One (1) Slab Mill Hot Rolling, installed in 1947 and with a maximum capacity of 4.566 tons per hour, exhausting inside the building.
- One (1) Wheelabrator Shotblaster, installed in 1980 and with a maximum capacity of 36.0 tons per hour, using a baghouse as control device, and exhausting to stack B.

The Wheelabrator Shotblaster shall be decommissioned and removed from the source prior to operation of the new ASBF Shotblaster.

Enforcement Issues

There are no pending enforcement actions.

Emission Calculations

See Appendix A of this Technical Support 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.

Table 4: Uncontrolled PTE of Modification (ton/yr)									
Emission Units	CO	NO_X	PM	PM_{10}	SO_2	VOC	HAP HF	HAP Hexane	Total HAP
New Units	23.55	28.03	2,681.97	270.27	0.17	1.54	0	0.50	0.53
Increases from Modified Units*	0	0	0	0	0	0	0	0	0
Total	23.55	28.03	2,681.97	270.27	0.17	1.54	0	0.50	0.53

* Emission rates of the modified equipment will decrease.

This source modification is subject to 326 IAC 2-7-10.5(f)(4) because the potential to emit NO_X, PM, and PM_{10} is greater than twenty-five (25) tons per year before control. Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d) because the modification requires significant changes in existing monitoring Part 70 permit terms and conditions and inclusion of sourcewide emission limitations.

Permit Level Determination – PSD

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Table 5: Potential to Emit (ton/yr)						
Process / Emission Unit	**CO**	**NO_X**	**PM**	**PM_{10}**	**SO_2**	**VOC**
Finish Mill Hot Rolling	0	0	0	0	0	0.92
Finish Mill Walking Beam Reheat Furnace	7.73	9.20	0.17	0.70	0.06	0.51
120" Salem Annealing Furnace	14.57	17.34	0.33	1.32	0.10	0.95
96" Salem Annealing Furnace 1	11.77	14.02	0.27	1.07	0.08	0.77
96" Salem Annealing Furnace 2	11.77	14.02	0.27	1.07	0.08	0.77
Heppenstall Annealing Furnace	3.97	4.73	0.09	0.36	0.03	0.26
North Twin Reheat Furnace	3.43	4.09	0.08	0.31	0.02	0.22
South Twin Reheat Furnace	3.43	4.09	0.08	0.31	0.02	0.22
120" Line Boiler	3.69	4.40	0.08	0.33	0.03	0.24
Main Bay Boiler #1	1.96	2.33	0.04	0.18	0.01	0.13
Shearing	0	0	6.57	0.66	0	0
Two (2) Plasma Torches	0	0	8.76	0.88	0	0
Main Bay Spray Pickle	0	45.00	32.81	38.43	0	0
ASBF Shot Blaster	0	0	82.88	60.56	0	0
ASBF Annealing Furnace	20.24	24.09	0.46	1.83	0.14	1.32
Main Bay Boiler #2	3.31	3.94	0.07	0.30	0.02	0.22
Belt Grinder	0	0	0.88	0.09	0	0
120" Line Pickling	0	94.80	69.13	80.97	0	0
120" Line Shot Blaster	0	0	32.85	32.85	0	0
Total:	**85.88**	**242.04**	**235.81**	**222.21**	**0.61**	**6.54**
Major Source Threshold	250	250	250	250	250	250

The potential to emit of all regulated pollutants are limited to less than two hundred fifty (250) tons of per year; therefore, the source is a minor source under 326 IAC 2-2 (PSD).

Federal Rule Applicability Determination

The following federal rules are applicable to the source due to this modification:

(a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

(c) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant; and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The proposed modification will not add any control devices for the ASBF Annealing Furnace or the Belt Grinder; therefore, the requirements of 40 CFR Part 64, CAM, are not applicable to the ASBF Annealing Furnace or the Belt Grinder.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

Table 6: CAM Applicability Analysis

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (ton/yr)	Controlled PTE (ton/yr)	Major Source Threshold (ton/yr)	CAM Applicable (Y/N)	Large Unit (Y/N)
ASBF Shot Blaster – PM	BH	Y	2,680.56	82.88	100	Y	N
ASBF Shot Blaster – PM_{10}	BH	Y	268.06	60.56	100	Y	N
120" Line Pickling – HF	Wet Scrubber	N	131.40	79.00	10	N	NA
120" Line Pickling – NO_X	Wet Scrubber	Y	394.20	94.80	100	Y	N
120" Line Pickling – PM	Wet Scrubber	Y	262.80	69.13	100	Y	N
120" Line Pickling – PM_{10}	Wet Scrubber	Y	262.80	80.97	100	Y	N
Main Bay Spray Pickle – HF	Wet Scrubber	Y	157.68	9.90	10	Y	N
Main Bay Spray Pickle – NO_X	Wet Scrubber	Y	473.04	45.00	100	Y	N
Main Bay Spray Pickle – PM	Wet Scrubber	Y	197.10	32.81	100	Y	N
Main Bay Spray Pickle – PM_{10}	Wet Scrubber	Y	433.62	38.43	100	Y	N

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are applicable to the following emission units upon renewal:

- ASBF Shot Blaster for PM and PM_{10}.
- 120" Line Pickling for NO_X, PM, and PM_{10}.
- Main Bay Spray Pickle for HF, NO_X, PM, and PM_{10}.

State Rule Applicability Determination

The following state rules are applicable to the source due to the modification:

326 IAC 2-2 and 2-3 (PSD and Emission Offset)
Since the unrestricted potential to emit of this modification is greater than two hundred fifty (250) tons of NO_X, PM, and PM_{10} per year, this source has elected to limit the potential to emit of this modification as follows:

(a) The input of metal processed in 120” Line Pickling shall be limited to less than 158,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) The NO_X emission rate from the 120” Line Pickling shall not exceed 1.20 pounds per ton of material processed.

(c) The PM emissions from the 120" Line Pickling shall not exceed 0.875 pounds per ton of material processed.

(d) The PM_{10} emissions from the 120" Line Pickling shall not exceed 1.075 pounds per ton of material processed.

(e) The input of metal processed in Main Bay Spray Pickling shall not exceed 75,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(f) The NO_X emission rate from the Main Bay Spray Pickling shall not exceed 1.20 pounds per ton of material processed.

(g) The PM emissions from the Main Bay Spray Pickling shall not exceed 0.875 pounds per ton of material processed.

(h) The PM_{10} emissions from the Main Bay Spray Pickling shall not exceed 1.075 pounds per ton of material processed.

(i) The PM emissions from the 120” Line Shotblaster shall not exceed 7.5 pounds per hour.

(j) The PM_{10} emissions from the 120” Line Shotblaster shall not exceed 7.5 pounds per hour.

(k) The metal throughput to the ASBF Shotblaster shall not exceed 75,000 tons per 12 consecutive month period with compliance determined at the end of each month.

(l) The PM emissions from the ASBF Shotblaster shall not exceed 2.21 pounds per ton.

(m) The PM_{10} emissions from the ASBF Shotblaster shall not exceed 1.62 pounds per ton.

Compliance with these emission limits combined with the potential to emit NO_X, PM, and PM_{10} emissions from all other equipment at this source will limit the potential to emit from this modification and the entire source to less than two hundred fifty (250) tons per year, each. Therefore the requirements of 326 IAC 2-2 (PSD) are not applicable to the entire source approved under Source Modification No.: 065-26100-00003.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
326 IAC 2-4.1 applies to an owner or operator who constructs or reconstructs a major source of HAPs as defined in 40 CFR 63.41. The definition of "reconstruct a major source" states that the replacement of components at an existing process or production unit is only considered a reconstruction if the fixed capital cost of the new components exceed 50 percent of the fixed capital cost that would be required to construct a comparable process or production unit.

Since the costs associated with the modifications to the existing 120" Pickling Line are minimal compared to the cost of replacing the entire pickling line, the modification is not be considered a reconstruction; therefore, the requirements of 326 IAC 2-4.1 do not apply to the modification of the 120" Pickling Line.

This source has elected to limit the HF emissions from the Main Bay Spray Pickling Line as follows:

> The HF emission rate from the Main Bay Spray Pickling Line shall not exceed 0.264 pounds per ton of material processed.

Compliance with this emission limit and the metal processing limit of 75,000 tons per year will limit the potential to emit of HF from the Main Bay Spray Pickling Line to less than ten (10) tons per year and less than twenty-five (25) tons per year of any combination of HAPs. Therefore the requirements of 326 IAC 2-4.1 are not applicable to the Main Bay Spray Pickling Line.

326 IAC 2-6 (Emission Reporting)
Since this source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, this source is subject to 326 IAC 2-6 (Emission Reporting). In accordance with the compliance schedule in 326 IAC 2-6-3, an emission statement must be submitted triennially. The first report is due no later than July 1, 2008, and subsequent reports are due every three (3) years thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the processes shall not exceed the emission rates specified in the following table when operating at the stated process weight rates.

Table 7: Summary of Process Weight Rate Limits

Process / Emission Unit	Control Device*	**P** (ton/hr)	**E** (lb/hr)	Equation**
Main Bay Spray Pickle	Wet Scrubber	36	41.57	(b)
120" Line Pickling	Wet Scrubber	30	40.04	(a)
Finish Mill Hot Rolling	None	2.63	7.83	(a)
120" Line Shot Blaster	Baghouse	30	40.04	(a)
ASBF Shot Blaster	Baghouse	36	41.57	(b)
Belt Grinder	None	2	6.52	(a)
Shearing	None	15	25.16	(a)

Table 7: Summary of Process Weight Rate Limits				
Process / Emission Unit	**Control Device***	**P** (ton/hr)	**E** (lb/hr)	**Equation****
Two (2) Plasma Torches	None	20	30.51	(a)

*The control equipment shall be in operation at all times each of the processes are in operation, in order to comply with these limits.

**The pound per hour limitations were calculated with the following equations:

(a) Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

(b) Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

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

Changes to the compliance determination and monitoring requirements are detailed in the Proposed Changes section of this document.

Compliance Determination Requirements:
The Compliance Determination Requirements applicable to the modification are as follows:

(a) Testing Requirements

Table 8: Summary of Compliance Testing Requirements

Emission Unit	Control Device	Stack	Pollutant	Testing Frequency	Limit / Requirement
Main Bay Spray Pickle	Wet Scrubber	F	HF	5 years	0.264 lb/ton metal
Main Bay Spray Pickle	Wet Scrubber	F	NO_X	5 years	1.20 lb/ton metal
Main Bay Spray Pickle	Wet Scrubber	F	PM	5 years	0.875 lb/ton metal
Main Bay Spray Pickle	Wet Scrubber	F	PM_{10}	5 years	1.075 lb/ton metal
120" Line Pickling	Wet Scrubber	E	NO_X	5 years	1.20 lb/ton metal
120" Line Pickling	Wet Scrubber	E	PM	5 years	0.875 lb/ton metal
120" Line Pickling	Wet Scrubber	E	PM_{10}	5 years	1.075 lb/ton metal
120" Line Shotblaster	Baghouse	C	PM	5 years	7.5 lb/hr
120" Line Shotblaster	Baghouse	C	PM_{10}	5 years	7.5 lb/hr
ASBF Shotblaster	Baghouse	C	PM	Not required	2.21 lb/ton At 75,000 ton/yr
ASBF Shotblaster	Baghouse	C	PM_{10}	Not required	1.62 lb/ton At 75,000 ton/yr

(b) Emission Controls Operation

(1) The Permittee shall operate the wet scrubbers controlling the NO_X, PM, and PM_{10} emissions from the 120" Line Pickling and the HF, NO_X, PM, and PM_{10} emissions from the Main Bay Spray Pickling Line at all times each of the lines are in operation.

(2) The Permittee shall operate the baghouses controlling the PM and PM_{10} emissions from the 120" Line and ASBF Shotblasters at all times that the shotblasters are in operation.

These requirements are required to ensure compliance with 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), 326 IAC 2-2 (PSD), 326 IAC 2-7 (Part 70), and/or 40 CFR 64 (CAM).

Compliance Monitoring Requirements:
The compliance monitoring requirements applicable to the modification are as follows:

(a) Visible Emissions Notations
The Permittee shall perform daily visible emission notations of the following:

Table 9: Summary of Compliance Testing Requirements

Emission Unit	Control Device	Stack
Main Bay Spray Pickle	Wet Scrubber	F
120" Line Pickling	Wet Scrubber	E
120" Line Shot Blaster	Baghouse	C
ASBF Line Shot Blaster	Baghouse	B

(b) Parametric Monitoring

(1) The Permittee shall record the flow rate across the wet scrubbers at least once per day.

(2) The Permittee shall record the pressure drop across the baghouses at least once per day.

(c) Control Device Maintenance

(1) In the event that scrubber failure has been observed, the failed scrubber and the associated process shall be shut down immediately until the failed unit has been repaired or replaced.

(2) The Permittee shall maintain the baghouse and replace broken or failed bags as needed.

These monitoring conditions are necessary because the baghouses and wet scrubbers must operate properly to ensure compliance with 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), 326 IAC 2-2 (PSD), 326 IAC 2-7 (Part 70), and/or 40 CFR 64 (CAM).

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit Renewal No. T 065-17992-00003. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Change No. 1 After this modification, the source will no longer be major under PSD. Condition A.1 is revised as follows:

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

The Permittee owns an operation of manufacturing rolled steel plates.

Source Address:	549 West State Road 38 New Castle Indiana 47632
Mailing Address:	549 West State Road 38 New Castle Indiana 47632
General Source Phone Number:	765-529-0120
SIC Code:	3312
County Location:	Henry
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules **(before modification)** **Minor Source, under PSD Rules (after modification)** Major Source, Section 112 of the Clean Air Act

Change No. 2 The emission unit and pollution control equipment list will be revised throughout the permit to add the new equipment and update the descriptions for existing and modified emission units. The changes shown below for Conditions A.2 and A.3 will be changed throughout the permit:

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

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

(a) One (1) 120" ~~line pickling~~ **Line Pickling**, installed in 1996 **and modified in 2008**, with a maximum capacity of 30 tons per hour, ~~equipped with an optional wet scrubber as control device,~~ **with emissions controlled by a wet scrubber** and exhausting to stack E.

(b) One (1) Batch pickling line, installed in 1944 and with a maximum capacity of 15 tons per hour, exhausting inside the building. **In 2008, the Batch pickling line was permitted to be modified to become the following:**

One (1) Main Bay Spray Pickling Line, installed in 1944 and modified in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a wet scrubber and exhausting through stack F.

(c) One (1) 120" ~~line shot blaster~~ **Line Shotblaster**, installed in 1996, with a maximum capacity of 30 tons per hour, ~~equipped with a baghouse as control device,~~ **with emissions controlled by a baghouse** and exhausting to stack C.

(d) One (1) Wheelabrator shot blaster, installed in 1980 and with a maximum capacity of 36.0 tons per hour, using a baghouse as control device, and exhausting to stack B. **In 2008, the Wheelabrator shot blaster was replaced with the following:**

One (1) ASBF Shotblaster, permitted in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a baghouse and exhausting to stack B.

The Wheelabrator shot blaster will be permanently shut down once the ASBF Shotblaster begins operation.

~~(g)~~ **(e)** One (1) ~~finish mill hot rolling~~ **Finish Mill Hot Rolling**, installed in 1977 and with a maximum capacity of 2.625 tons per hour, exhausting inside the building.

~~(e)~~ **(f)** One (1) ~~finish mill walking beam reheat furnace~~ **Finish Mill Walking Beam Reheat Furnace**, installed in 1995 and rated at 21 million British thermal units per hour, exhausting inside the building.

~~(f)~~ **(g)** One (1) 120" ~~line~~ **Salem** ~~annealing furnace~~ **Annealing Furnace**, installed in 1996 and rated at 39.60 million British thermal units per hour, exhausting inside the building.

~~(h) One (1) slab mill walking beam reheat furnace-1, installed in 1962 and rated at 43.30 million British thermal units per hour, exhausting to stack S-1.~~

~~(i) One (1) slab mill reheat furnace-2, installed in 1962 and rated at 51.58 British thermal units per hour, exhausting inside the building.~~

~~(j) One (1) slab mill hot rolling, installed in 1947 and with a maximum capacity of 4.566 tons per hour, exhausting inside the building.~~

(h) One (1) ASBF Annealing Furnace, permitted in 2008, with a maximum capacity of 55 MMBtu/hr, with emissions exhausting inside the building.

~~(k)~~ **(i)** One (1) **96”** Salem ~~annealing furnace~~ **Annealing Furnace** -1, installed in 1991 and rated at 32 million British thermal units per hour, exhausting inside the building.

~~(l)~~ **(j)** One (1) **96”** Salem ~~annealing furnace~~ **Annealing Furnace** -2, installed in 1991 and rated at 32 million British thermal units per hour, exhausting inside the building.

~~(m)~~ **(k)** One (1) Heppenstall ~~annealing furnace~~ **Annealing Furnace**, installed in 1980 and rated at 10.80 million British thermal units per hour, exhausting inside the building.

~~(n)~~ **(l)** One (1) natural gas fired 120" ~~line boiler~~ **Line Boiler**, installed in 1996 and rated at 10.04 million British thermal units per hour and exhausting to stack S-5.

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

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour.

(1) One (1) natural gas fired boiler**, referred to as** ~~for batch~~ **the Main Bay Boiler #1, installed in 1982**~~, pickling line~~ with maximum heat input ~~rating~~ **capacity** of 5.33 **MMBtu/hr** ~~mmBtu/hr, installed in 1982~~. [326 IAC 6-2-4]

(2) One (1) natural gas fired boiler, referred to as the Main Bay Boiler #2, permitted in 2008, with a maximum heat input capacity of 9.0 MMBtu/hr. [326 IAC 6-2-4]

(3) One (1) North Twin Reheat Furnace, installed in 1977, with a maximum heat input capacity of 9.33 MMBtu/hr, with emissions exhausting inside the building.

(4) One (1) South Twin Reheat Furnace, installed in 1977, with a maximum heat input capacity of 9.33 MMBtu/hr, with emissions exhausting inside the building.

(b) Degreasing operations, installed in 2001, that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 and 40 CFR 63, Subpart T. [326 IAC 8-3-2] [326 IAC 8-3-5]

(c) The following equipment related to manufacturing activities not resulting in the emission of HAPs; brazing equipment, cutting torches, soldering equipment, welding equipment [326 IAC 6-3-2].

(d) Walk Behind Grinder [326 IAC 6-3-2].

(e) Belt Grinders [326 IAC 6-3-2].

(f) **Two (2)** Plasma Torch ~~Cutter~~ **Cutters** [326 IAC 6-3-2].

(g) Shears [326 IAC 6-3-2].

(h) One lime storage silo [326 IAC 6-3-2].

Change No. 3 Condition B.12 – Permit Shield has been updated as follows to correct typographical errors:

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

~~(f)~~**(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).

~~(g)~~**(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)]

~~(h)~~**(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)]

Change No. 4 Condition B.13 – Prior Permits Superseded has been updated as follows to reference the most recent Part 70 Operating Permit Renewal:

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

(a) All terms and conditions of permits established prior to ~~T157-18078-00046~~ **T 065-17992-00003** and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

Change No. 5 Condition C.6 – Stack Height has been updated as follows to identify portions of 326 IAC 1-7 that are not federally enforceable:

C.6 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.**

Change No. 6 Because this source will no longer be a major source under PSD after the modification is complete, paragraph (c) under Condition C.18 – General Record Keeping Requirements is only applicable until the modifications are complete. Condition C.18, Record Keeping Requirements, has been revised as follows:

C.18 General Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

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

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

~~(c) If there is a "project" (as defined in *326 IAC 2-2-1 (qq)*) at an existing emissions unit or at a source with Plant-wide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in *326 IAC 2-2-1 (ee)*) and the Permittee elects to utilize the "projected actual emissions" (as defined in *326 IAC 2-2-1 (rr) and/or IAC 2-3-1 (mm)*), the Permittee shall comply with following:~~

~~(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, document and maintain the following records:~~

~~(A) A description of the project.~~

~~(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.~~

~~(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:~~

~~(i) Baseline actual emissions;~~

~~(ii) Projected actual emissions;~~

~~(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii)); and~~

~~(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.~~

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

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

(c) Prior to the modification and until the modifications are complete:
If there is a reasonable possibility (as defined in 40 CFR 51.165 (a)(6)(vi)(A), 40 CFR 51.165 (a)(6)(vi)(B), 40 CFR 51.166 (r)(6)(vi)(a), and/or 40 CFR 51.166 (r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(d) Prior to the modification and until the modifications are complete:
If there is a reasonable possibility (as defined in 40 CFR 51.165 (a)(6)(vi)(A) and/or 40 CFR 51.166 (r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

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

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

Change No. 7 Because this source will no longer be a major source under PSD after the modification is complete, paragraphs (f) and (g) under Condition C.19 – General Reporting Requirements are only applicable until the modifications are complete. Condition C.19, General Reporting Requirements, has been revised as follows:

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

~~(f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C - General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:~~

~~(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C - General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and~~

~~(2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).~~

~~(g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:~~

~~(1) The name, address, and telephone number of the major stationary source.~~

~~(2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C - General Record Keeping Requirements.~~

~~(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).~~

~~(4) Any other information that the Permittee deems fit to include in this report,~~

~~Reports required in this part shall be submitted to:~~

~~Indiana Department of Environmental Management~~
~~Air Compliance Section, Office of Air Quality~~
~~100 North Senate Avenue~~

~~MC 61-53 IGCN 1003~~
~~Indianapolis, Indiana 46204-2251~~

(f) Prior to the modification and until the modifications are complete:
If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C – General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll) at an existing emissions unit other than an Electric Utility Steam Generating Unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C – General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C – General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C – General Record Keeping Requirements (c)(1)(C)(ii).

(g) Prior to the modification and until the modifications are complete:
The report for a project at an existing emissions unit other than Electric Utility Steam Generating Unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C – General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3.

(4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
MC 61-53, IGCN 1003
Indianapolis, Indiana 46204-2251

(h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Change No. 8 Section D.1 has been updated as follows to include all applicable requirements for the pickling lines:

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) One (1) 120" ~~line pickling~~ **Line Pickling**, installed in 1996 **and modified in 2008**, with a maximum capacity of 30 tons per hour, ~~equipped with an optional wet scrubber as control device,~~ **with emissions controlled by a wet scrubber** and exhausting to stack E.

(b) One (1) Batch pickling line, installed in 1944 and with a maximum capacity of 15 tons per hour, exhausting inside the building. **In 2008, the Batch pickling line was permitted to be modified to become the following:**

One (1) Main Bay Spray Pickling Line, installed in 1944 and modified in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a wet scrubber and exhausting through stack F.

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

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

D.1.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable PM emissions from the following facilities shall not exceed the limits as stated when operating at the respective process weight rates:

~~Emission Unit~~	~~Process Weight Rate (tons/hr)~~	~~Allowable Particulate Emission Rate (326 IAC 6-3-2) (lb/hr)~~
~~120" line pickling~~	~~30~~	~~40.0~~
~~Batch Pickling~~	~~15.0~~	~~25.20~~

Emission Unit	**Process Weight Rate (tons/hr)**	**Allowable Particulate Emission Rate (326 IAC 6-3-2) (lb/hr)**	**Equation**
120" Line Pickling	**30**	**40.04**	**a**
Batch Pickling Line	**15**	**25.16**	**a**
Main Bay Spray Pickling Line	**36**	**41.57**	**b**

The pounds per hour limitations were calculated with the following equation**s**:

(a) Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

(b) Interpolation and extrapolation of the data for process weight rates in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.1.2 PSD Minor Limit [326 IAC 2-2]

(a) Until the modifications to the 120" Pickling Line are complete:

~~(a)~~ **(1)** The input of metal processed in 120" line pickling shall be limited to less than 151,500 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

~~(b)~~ **(2)** The NO_X emission rate from the 120" line pickling shall not exceed 3.0 pounds per ton of material processed.

~~(c)~~ **(3)** The PM emissions from the 120" line pickling shall not exceed 2.00 pounds per ton of material processed.

~~(d)~~ **(4)** The PM_{10} emissions from the 120" line pickling shall not exceed 2.00 pounds per ton of material processed.

Compliance with the above emission limits in combination with Condition D.2.4 and potential emissions of PM, PM_{10}, and NO_X from 120" line boiler and 120" line annealing furnace shall keep the PM, PM_{10}, and NO_X emissions from the 1996 source modification to less than 250 tons per year, each, and shall render 326 IAC 2-2 (PSD) not applicable to the 1996 source modification.

(b) After the modifications to the 120" Pickling Line are complete:

(1) The input of metal processed in 120" Line Pickling shall be limited to less than 158,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) The NO_X emission rate from the 120" Line Pickling shall not exceed 1.20 pounds per ton of material processed.

(3) The PM emissions from the 120" Line Pickling shall not exceed 0.875 pounds per ton of material processed.

(4) The PM_{10} emissions from the 120" Line Pickling shall not exceed 1.075 pounds per ton of material processed.

(c) After the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:

(1) The input of metal processed in Main Bay Spray Pickling shall not exceed 75,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) The NO_X emission rate from the Main Bay Spray Pickling shall not exceed 1.20 pounds per ton of material processed.

(3) The PM emissions from the Main Bay Spray Pickling shall not exceed 0.875 pounds per ton of material processed.

(4) The PM_{10} emissions from the Main Bay Spray Pickling shall not exceed 1.075 pounds per ton of material processed.

Compliance with the emission limits in (b) and (c) and Condition D.2.2 combined with the potential to emit NO_X, PM, and PM_{10} emissions from all other equipment at this source will limit the potential to emit from this modification and the entire source to less than two hundred fifty (250) tons per year, each. Therefore the requirements of 326 IAC 2-2 (PSD) are not applicable to the source.

D.1.3 HAP Minor Limit [326 IAC 2-4.1]

After the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line, and pursuant to source modification 065-26100-00003 and 326 IAC 2-4.1, the HF emission rate from the Main Bay Spray Pickling Line shall not exceed 0.264 pounds per ton of material processed.

Compliance with this emission limit and Condition D.1.2(c)(1) will limit the potential to emit from the Main Bay Spray Pickling Line to less than ten (10) tons per year of any single HAP and less than twenty-five (25) tons per year of any combination of HAPs. Therefore the requirements of 326 IAC 2-4.1 do not apply to the Main Bay Spray Pickling Line.

Compliance Determination Requirements

~~D.1.3~~ **D.1.4** Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) Until the modifications to the 120" Pickling Line are complete:
In order to determine compliance with Condition D.1.2-(a)~~ through (d)~~, the Permittee shall perform PM, PM_{10}, and NO_X emissions stack test for 120" line pickling without control before September 22, 2009, utilizing the methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C - Performance Testing.

(b) After the modifications to the 120" Pickling Line are complete:
Within 180 days after startup of the modified 120" Pickling Line, in order to determine compliance with Condition D.1.2(b), the Permittee shall perform NO_X, PM, and PM_{10} emissions stack testing utilizing the methods as approved by the Commissioner.

(c) After the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:
Within 180 days after startup of the modified Main Bay Spray Pickling Line, in order to determine compliance with Condition D.1.2(c), and Condition D.1.3, the Permittee shall perform HF, NO_X, PM, and PM_{10} emissions stack testing utilizing the methods as approved by the Commissioner.

This testing shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.5 HF, NO_X, PM, and PM_{10} Controls

(a) After the modifications to the 120" Pickling Line are complete:
The Permittee shall operate the wet scrubber controlling the NO_X, PM, and PM_{10} emissions from the 120" Line Pickling at all times that the 120" Line Pickling is in operation.

(b) After the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:
The Permittee shall operate the wet scrubber controlling the HF, NO_X, PM, and PM_{10} emissions from the Main Bay Spray Pickling Line at all times that the Main Bay Spray Pickling Line is in operation.

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

~~D.1.4~~ **D.1.6** Visible Emissions Notations

(a) **Until the modifications to the 120" Pickling Line are complete:**
Visible emission notations of the 120" line pickling stack exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

After the modifications to the 120" Pickling Line are complete and the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:
Visible emission notations of the 120" Line Pickling stack E exhaust and the Main Bay Spray Pickling Line stack F exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.7 Parametric Monitoring

After the modifications to the 120" Pickling Line are complete and the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:

(a) In order to comply with Condition D.1.1 and D.1.2(b), the Permittee shall record the flow rate of the wet scrubber controlling the 120" Line Pickling at least once per day when the line is in operation.

(b) In order to comply with Condition D.1.1 and D.1.2(c), the Permittee shall record the flow rate of the wet scrubber controlling the Main Bay Spray Pickling Line at least once per day when the line is in operation.

(c) When for any one reading, the flow rate across a wet scrubber is below a minimum flow rate established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances. A flow rate that is below the above mentioned minimum is not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.8 Scrubber Failure Detection

After the modifications to the 120" Pickling Line are complete and the Batch Pickling Line is modified to become the Main Bay Spray Pickling Line:

In the event that scrubber failure has been observed, the failed scrubber and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B – Emergency Provisions).

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

~~D.1.5~~ **D.1.9** Record Keeping Requirements

(a) To document compliance with Condition ~~D.1.4~~ **D.1.6**, the Permittee shall maintain a daily record of visible emission notations of 120" ~~line pickling~~ **Line Pickling** stack **E** exhaust **and the Main Bay Spray Pickling Line stack F exhaust**. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (i.e., the process did not operate that day).

(b) To document compliance with condition D.1.2 ~~(c)~~**(a)(1), (b)(1), and (c)(1)**, the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be taken monthly and shall be complete and sufficient to establish compliance with metal usage limits established in D.1.2 ~~(c)~~ **(a)(1), (b)(1), and (c)(1)**.

(1) Calendar dates covered in the compliance determination period; and

(2) Actual metal throughput since last compliance determination period.

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

~~D.1.6~~ **D.1.10** Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.2 (a)**(1), (b)(1), and (c)(1)** shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of the 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).

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

Part 70 Quarterly Report

Source Name: Outokumpu Stainless, Inc.
Source Address: 549 West State Road 38, New Castle, IN 47362
Mailing Address: 549 West State Road 38, New Castle, IN 47362
Part 70 Permit No.: T 065-17992-00003
Facility: 120" pickling line **(prior to modifications)**
Parameter: Metal throughput rate at 120" line pickling
Limit: Metal processed rate at 120" line pickling shall be limited to less than 151,500 tons per twelve (12) consecutive month period

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Metal Throughput This Month	**Metal Throughput Previous 11 Months**	**12 Month Total Metal Throughput**

☐ No deviation occurred in this quarter.

☐ Deviations occurred in this quarter.
Deviation has been reported on: _____

Submitted By: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Outokumpu Stainless, Inc.
Source Address: 549 West State Road 38, New Castle, IN 47362
Mailing Address: 549 West State Road 38, New Castle, IN 47362
Part 70 Permit No.: T 065-17992-00003
Facility: 120" Line Pickling (after modifications are complete)
Parameter: Metal throughput rate at 120" Line Pickling
Limit: Metal processed rate at 120" Line Pickling shall not exceed 158,000 tons per twelve (12) consecutive month period

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Metal Throughput This Month	Metal Throughput Previous 11 Months	12 Month Total Metal Throughput

☐ No deviation occurred in this quarter.

☐ Deviations occurred in this quarter.
Deviation has been reported on: _____

Submitted By: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Outokumpu Stainless, Inc.
Source Address: 549 West State Road 38, New Castle, IN 47362
Mailing Address: 549 West State Road 38, New Castle, IN 47362
Part 70 Permit No.: T 065-17992-00003
Facility: Main Bay Spray Pickling Line
Parameter: Metal throughput rate at Main Bay Spray Pickling Line
Limit: Metal processed rate at Main Bay Spray Pickling Line shall not exceed 75,000 tons per twelve (12) consecutive month period

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Metal Throughput This Month	Metal Throughput Previous 11 Months	12 Month Total Metal Throughput

☐ **No deviation occurred in this quarter.**

☐ **Deviations occurred in this quarter.**
Deviation has been reported on: _____

Submitted By: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Change No. 9 Section D.2 has been updated as follows to include all applicable requirements for the shotblasting units:

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(c) One (1) 120" ~~line shot blaster~~ **Line Shotblaster**, installed in 1996, with a maximum capacity of 30 tons per hour, ~~equipped with a baghouse as control device,~~ **with emissions controlled by a baghouse** and exhausting to stack C.

(d) One (1) Wheelabrator shot blaster, installed in 1980 and with a maximum capacity of 36.0 tons per hour, using a baghouse as control device, and exhausting to stack B. **In 2008, the Wheelabrator shot blaster was replaced with the following:**

One (1) ASBF Shotblaster, permitted in 2008, with a maximum capacity of 36 tons per hour, with emissions controlled by a baghouse and exhausting to stack B.

The Wheelabrator shot blaster will be permanently shut down once the ASBF Shotblaster begins operation.

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

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

D.2.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emissions from the following facilities shall not exceed the limits as stated when operating at the respective process weight rates:

~~**Emission Unit**~~	~~**Process Weight Rate**~~ ~~(tons/hr)~~	~~**Allowable Particulate Emission Rate**~~ ~~(326 IAC 6-3-2)~~ ~~(lb/hr)~~
~~120" line shot blaster~~	~~30.0~~	~~40.0~~
~~Wheelabrator shot blaster~~	~~36.0~~	~~45.2~~

Emission Unit	**Process Weight Rate (tons/hr)**	**Allowable Particulate Emission Rate (326 IAC 6-3-2) (lb/hr)**	**Equation**
120" Line Shotblaster	**30**	**40.04**	**a**
Wheelabrator Shotblaster	**36**	**41.57**	**b**
ASBF Shotblaster	**36**	**41.57**	**b**

The pounds per hour limitations were calculated with the following equation**s**:

(a) Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equations:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

~~and~~

(b) Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.2.2 PSD Minor Limit [326 IAC 2-2]

(a) Until the Wheelabrator Shotblaster is permanently shutdown:

~~(a)~~ **(1)** The PM emissions from the Wheelabrator shotblaster shall not exceed 41.42 pounds per hour.

~~(b)~~ **(2)** The PM_{10} emissions from the Wheelabrator shotblaster shall not exceed 41.42 pounds per hour.

Compliance with above limits shall render 326 IAC 2-2 (PSD) not applicable to the Wheelabrator shotblaster installed in 1994.

~~D.2.3~~**2** ~~PSD Minor Limit [326 IAC 2-2]~~

(b) Until the modifications to the 120" Line Shotblaster are complete:

~~(a)~~ **(1)** The PM emissions from the 120" line shotblaster shall not exceed 21.88 pounds per hour.

~~(b)~~ **(2)** The PM_{10} emissions from the 120" line shotblaster shall not exceed 21.88 pounds per hour.

Compliance with above limits in combination with Condition D.1.2, shall keep PM and PM_{10} emissions from the 1996 source modification to less than 250 tons per year, each, and shall render 326 IAC 2-2 (PSD) not applicable to the 1996 source modification.

(c) After the modifications to the 120" Line Shotblaster are complete:

(1) The PM emissions from the 120" Line Shotblaster shall not exceed 7.5 pounds per hour.

(2) The PM_{10} emissions from the 120" Line Shotblaster shall not exceed 7.5 pounds per hour.

(d) After installation of the ASBF Shotblaster:

(1) The metal throughput to the ASBF Shotblaster shall not exceed 75,000 tons per 12 consecutive month period with compliance determined at the end of each month.

(2) The PM emissions from the ASBF Shotblaster shall not exceed 2.21 pounds per ton.

(3) The PM_{10} emissions from the ASBF Shotblaster shall not exceed 1.62 pounds per ton.

Compliance with the emission limits in (c) and (d) above and Condition D.1.2 combined with the potential to emit NO_X, PM, and PM_{10} emissions from all other equipment at this source will limit the potential to emit from this modification and the entire source to less than two hundred fifty (250) tons per year, each. Therefore the requirements of 326 IAC 2-2 (PSD) are not applicable to the source.

Compliance Determination Requirements

D.2.~~4~~**3** Particulate Control

(a) In order to comply with Conditions ~~D.2.1, D.2.2 and D.2.3~~ **D.2.1 and D.2.2,** the baghouses for particulate control shall be in operation and control emissions from the 120" **Line** ~~line shot blaster~~ and Wheelabrator ~~shot blaster~~ **, and ASBF Shotblasters** at all times that the 120" **Line** ~~line shot blaster~~ and Wheelabrator ~~shot blaster~~ **, and ASBF Shotblasters** are in operation.

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

D.2.~~5~~**4** Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) In order to determine compliance with Conditions ~~D.2.3~~ **D.2.1 and D.2.2 (b) and (c)**, the Permittee shall perform PM and PM_{10} emissions stack testing for 120" **Line Shotblaster** ~~line shotblaster~~ by September 22, 2009, utilizing the methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. PM_{10} includes ~~filtrable~~ **filterable** and condensible PM_{10}. Testing shall be conducted in accordance with Section C - Performance Testing.

(b) **Until the Wheelabrator Shotblaster is permanently shutdown:**
~~Within 180 days after issuance of this permit T065-17992-00003, in~~ **In** order to determine compliance with Conditions D.2.1 and D.2.2**(a)**, the Permittee shall perform PM and PM_{10} emission stack testing for Wheelabrator shotblaster, utilizing the methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. PM_{10} includes ~~filtrable~~ **filterable** and condensible PM_{10}. Testing shall be conducted in accordance with Section C - Performance Testing.

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

D.2.~~6~~**5** Visible Emissions Notations ~~[40 CFR 64]~~

~~Pursuant to 40 CFR 64 (CAM):~~

~~(a) Visible emission notations of the 120" line shot blaster, and Wheelabrator shot blaster stacks exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.~~

(a) Visible Emission Notations

(1) Until the Wheelabrator Shotblaster is permanently shutdown: Pursuant to 40 CFR 64 (CAM), visible emission notations of the Wheelabrator Shotblaster stack B exhaust shall be performed once per day during normal daylight operations.

(2) Pursuant to 40 CFR 64 (CAM), visible emission notations of the 120" Line Shotblaster stack C exhaust shall be performed once per day during normal daylight operations.

(3) After installation of the ASBF Shotblaster: Visible emission notations of the ASBF Shotblaster stack B exhaust shall be performed once per day during normal daylight operations.

A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.2.~~7~~**6** Parametric Monitoring ~~[40 CFR 64]~~

(a) Pursuant to 40 CFR 64 (CAM) **and in order to comply with Conditions D.2.1 and D.2.2 (a), (b), and (c)**, the Permittee shall record the pressure drop across each of the baghouses used in conjunction with the 120" **Line Shotblaster** line shot blaster, and Wheelabrator shot blaster **(until the Wheelabrator Shotblaster is permanently shutdown)**, at least once per day when the process is in operation.

(b) After installation of the ASBF Shotblaster:In order to comply with Conditions D.2.1 and D.2.2(d), the Permittee shall record the pressure drop across the baghouse used in conjunction with the ASBF Shotblaster at least once per day when the process is in operation.

When for any one reading, the pressure drop across any baghouse is outside the normal range of 2.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

D.2.~~8~~**7** Broken or Failed Bag Detection [40 CFR 64]

(a) **For the Wheelabrator Shotblaster (until it is permanently shutdown) and the 120" Line Shotblaster:**
Pursuant to 40 CFR 64 (CAM):

~~(a)~~ **(1)** For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

~~(b)~~ **(2)** For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

(b) **Upon installation of the ASBF Shotblaster:**

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

(2) **For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).**

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

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

D.2.~~9~~**8** Record Keeping Requirements

(a) To document compliance with Condition ~~D.2.6~~ **D.2.5**, the Permittee shall maintain a daily record of visible emission notations of the 120" ~~line~~ **Line** and Wheelabrator ~~shot blaster~~ **, and ASBF Shotblaster** stack **C and B** exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g.**,** the process did not operate that day).

(b) To document compliance with Condition ~~D.2.7~~ **D.2.6**, the Permittee shall maintain a daily record of the pressure drop across the baghouse controlling the ~~20" line~~ **120" Line** ~~and~~ Wheelabrator ~~shot blaster~~ **, and ASBF Shotblasters**. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g.**,** the process did not operate that day).

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

D.2.9 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.2(d)(1) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of the permit, or its 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).

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

Part 70 Quarterly Report

Source Name: **Outokumpu Stainless, Inc.**
Source Address: **549 West State Road 38, New Castle, IN 47362**
Mailing Address: **549 West State Road 38, New Castle, IN 47362**
Part 70 Permit No.: **T 065-17992-00003**
Facility: **ASBF Shotblaster**
Parameter: **Metal throughput rate at the ASBF Shotblaster**
Limit: **Metal processed rate to the ASBF Shotblaster shall not exceed 75,000 tons per twelve (12) consecutive month period**

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Metal Throughput This Month	Metal Throughput Previous 11 Months	12 Month Total Metal Throughput

☐ **No deviation occurred in this quarter.**

☐ **Deviations occurred in this quarter.**
Deviation has been reported on: _____

Submitted By: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Change No. 10 Section D.3 has been updated as follows to clarify the requirements applicable to the 120" Line Boiler

SECTION D.3 FACILITY OPERATION CONDITIONS

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

~~(g)~~ **(e)** One (1) ~~finish mill hot rolling~~ **Finish Mill Hot Rolling**, installed in 1977 and with a maximum capacity of 2.625 tons per hour, exhausting inside the building.

~~(e)~~ **(f)** One (1) ~~finish mill walking beam reheat furnace~~ **Finish Mill Walking Beam Reheat Furnace**, installed in 1995 and rated at 21 million British thermal units per hour, exhausting inside the building.

~~(f)~~ **(g)** One (1) 120" ~~line~~ **Salem** ~~annealing furnace~~ **Annealing Furnace**, installed in 1996 and rated at 39.60 million British thermal units per hour, exhausting inside the building.

~~(h) One (1) slab mill walking beam reheat furnace-1, installed in 1962 and rated at 43.30 million British thermal units per hour, exhausting to stack S-1.~~

~~(i) One (1) slab mill reheat furnace-2, installed in 1962 and rated at 51.58 British thermal units per hour, exhausting inside the building.~~

~~(k) One (1) slab mill hot rolling, installed in 1947 and with a maximum capacity of 4.566 tons per hour, exhausting inside the building.~~

(h) One (1) ASBF Annealing Furnace, permitted in 2008, with a maximum capacity of 55 MMBtu/hr, with emissions exhausting inside the building.

~~(k)~~ **(i)** One (1) **96"** Salem ~~annealing furnace~~ **Annealing Furnace** -1, installed in 1991 and rated at 32 million British thermal units per hour, exhausting inside the building.

~~(l)~~ **(j)** One (1) **96"** Salem ~~annealing furnace~~ **Annealing Furnace** -2, installed in 1991 and rated at 32 million British thermal units per hour, exhausting inside the building.

~~(m)~~ **(k)** One (1) Heppenstall ~~annealing furnace~~ **Annealing Furnace**, installed in 1980 and rated at 10.80 million British thermal units per hour, exhausting inside the building.

~~(n)~~ **(l)** One (1) natural gas fired 120" ~~line boiler~~ **Line Boiler**, installed in 1996 and rated at 10.04 million British thermal units per hour and exhausting to stack S-5.

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

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

D.3.1 Particulate Matter Emission Limitation for Source of Indirect Heating [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4(a), the PM emissions from the one (1) 10.04 MMBtu/hr boiler (120" ~~line boiler~~ **Line Boiler**) shall be limited to 0.535 lb/MMBtu heat input based on the following formula:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where: Pt = pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input
Q = Total source maximum operating capacity rating in MMBtu/hr heat input.

~~**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19] [326 IAC 12] [40 CFR 60, Subpart Dc] [40 CFR 63, Subpart DDDDD]**~~

~~D.3.2 New Source Performance Standard (NSPS) Record Keeping Requirements [326 IAC 12] [40 CFR 60, Subpart Dc] [40 CFR 63, Subpart DDDDD]~~

~~(a) Pursuant to 326 IAC 12, the Permittee shall record and maintain records of the amounts of natural gas combusted in the 120" line boiler each day. This condition expires when the revisions made to 40 CFR 60 Subpart Dc, as amended on February 27, 2006, become effective as Indiana Law. This condition is not federally enforceable.~~

~~(b) Pursuant to 40 CFR 60.48c(g), the Permittee shall record and maintain records of the amounts of natural gas combusted in the 120" line boiler during each calendar month.~~

~~(c) Pursuant to 40 CFR 7506(b), the 120" line boiler is subject to only the initial notification requirements in 40 CFR 63.9(b) (i.e., it is not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of 40 CFR 63, Subpart DDDDD or any other requirements in 40 CFR 63, Subpart A.).~~

New Source Performance Standards [326 IAC 12] [40 CFR Part 60, Subparts A and Dc]

D.3.2 General Provisions Relating to the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units [326 IAC 12] [40 CFR Part 60, Subpart A]

The Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12.

D.3.3 Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units [326 IAC 12] [40 CFR Part 60, Subpart Dc]

The Permittee shall comply with the following provisions of the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR Part 60, Subpart Dc; included as Attachment A of this permit) for the 120" Line Boiler:

40 CFR 60.48c(g): the Permittee shall record and maintain records of the amounts of natural gas combusted in the 120" Line Boiler during each calendar month.

Change No. 11 Section D.4 has been updated as follows to include all applicable requirements for specifically regulated insignificant activities:

SECTION D.4 FACILITY OPERATION CONDITIONS

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

(a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour.

(1) One (1) natural gas fired boiler**, referred to as** ~~for batch~~ **the Main Bay Boiler #1, installed in 1982**~~, pickling line~~ with maximum heat input rating of 5.33 **MMBtu/hr** ~~mmBtu/hr, installed in 1982~~. [326 IAC 6-2-4]

(2) One (1) natural gas fired boiler, referred to as the Main Bay Boiler #2, permitted in 2008, with a maximum heat input rating of 9.0 MMBtu/hr. [326 IAC 6-2-4]

(3) One (1) North Twin Reheat Furnace, installed in 1977, with a maximum heat input capacity of 9.33 MMBtu/hr, with emissions exhausting inside the building.

(4) One (1) South Twin Reheat Furnace, installed in 1977, with a maximum heat input capacity of 9.33 MMBtu/hr, with emissions exhausting inside the building.

(b) Degreasing operations, installed in 2001, that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 and 40 CFR 63, Subpart T. [326 IAC 8-3-2] [326 IAC 8-3-5]

(c) The following equipment related to manufacturing activities not resulting in the emission of HAPs; brazing equipment, cutting torches, soldering equipment, welding equipment [326 IAC 6-3-2].

(d) Walk Behind Grinder [326 IAC 6-3-2].

(e) Belt Grinders [326 IAC 6-3-2].

(f) **Two (2)** Plasma Torch Cutter**s** [326 IAC 6-3-2].

(g) Shears [326 IAC 6-3-2].

(h) One lime storage silo [326 IAC 6-3-2].

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

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

D.4.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3] **[326 IAC 6-2-4]**

(a) Pursuant to 326 IAC 6-2-3(~~d~~ **e**), **the** PM emissions from the ~~boiler~~ **Main Bay Boiler #1** rated **at** 5.33 MMBtu/hr, which began operation after June 8, 1972, shall be limited to 0.6 ~~pounds of particulate matter per million British thermal units~~ **lb/MMBtu** heat input.

(b) Pursuant to 326 IAC 6-2-4(a), the PM emissions from the Main Bay Boiler #2 rated at 9.0 MMBtu/hr shall be limited to 0.475 lb/MMBtu heat input based on the following formula:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where: Pt = pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input
Q = Total source maximum operating capacity rating in MMBtu/hr heat input. Q for the Main Bay Boiler #2 is 24.37 MMBtu/hr.

D.4.2 Particulate Emission Limitations for Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2(e)]

Pursuant to 326 IAC 6-3-2(e), the allowable particulate emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

These include the brazing equipment, cutting torches, soldering equipment, welding equipment, walk behind grinder, belt grinders, plasma torch ~~cutter~~ **cutters**, shears, and lime storage silo.

D.4.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for Immersion Cleaning Operation constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.4.4 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

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

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label that lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{O}C) (one hundred twenty degrees Fahrenheit (120°F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

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

~~D.4.5 Record Keeping Requirements [40 CFR 63, Subpart DDDDD]~~

~~Pursuant to 40 CFR 7506(c), the affected boiler is not subject to the initial notification requirements in Sec. 63.9(b) and is not subject to any requirements in 40 CFR 63, subpart DDDDD or in subpart A (i.e., it is not subject to the emission limits, work practice standards, performance testing, monitoring, SSM plans, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart, or any other requirements in 40 CFR 63, subpart A.~~

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 065-26100-00003 and Significant Permit Modification No. 065-26242-00003. The staff recommend to the Commissioner that this Part 70 Significant Source and Significant Permit Modification be approved.

IDEM Contact

Questions regarding this proposed permit can be directed to:

Kimberly Cottrell
Indiana Department Environmental Management
Office of Air Quality
100 North Senate Avenue
MC 61-53, Room 1003
Indianapolis, Indiana 46204-2251
Toll free (within Indiana): 1-800-451-6027 extension 3-0870
Or dial directly: (317) 233-0870
kcottrel@idem.in.gov

Please refer to Significant Source Modification No. 065-26100-00003 and Significant Permit Modification No. 065-26242-00003 in all correspondence.

Indiana Department of Environmental Management
Office of Air Quality

Appendix A – Emission Calculations
Technical Support Document (TSD)
Significant Source Modification (SSM) of a Part 70 Source
Significant Permit Modification (SPM) of Part 70 Operating Permit

Source Description and Location

Company Name: Outokumpu Stainless, Inc., Plate Products
Address City IN Zip: 549 West State Road 38, New Castle, IN 47632
County: Henry
SIC / NAICS Code: 3312 331221
Significant Source Modification No.: 065-26100-00003
Significant Permit Modification No.: 065-26242-00004
Permit Reviewer: Kimberly Cottrell
Date: May 8, 2008

Limited Potential to Emit (tons/year)

Process / Emission Unit	Installation Date	CO	NO_X	PM	PM_{10}	SO_2	VOC	HAP HF	HAP Hexane	HAPs (total)
Existing Emission Units										
120" Line Shot Blaster	2008	0	0	32.85	32.85	0	0	0	0	0
Finish Mill Hot Rolling	1977	0	0	0	0	0	0.92	0	0	0
Finish Mill Walking Beam Reheat Furnace	1995	7.73	9.20	0.17	0.70	0.06	0.51	0	0.17	0.17
120" Salem Annealing Furnace	1996	14.57	17.34	0.33	1.32	0.10	0.95	0	0.31	0.33
96" Salem Annealing Furnace 1	1991	11.77	14.02	0.27	1.07	0.08	0.77	0	0.25	0.26
96" Salem Annealing Furnace 2	1991	11.77	14.02	0.27	1.07	0.08	0.77	0	0.25	0.26
Heppenstall Annealing Furnace	1980	3.97	4.73	0.09	0.36	0.03	0.26	0	0.09	0.09
North Twin Reheat Furnace	1977	3.43	4.09	0.08	0.31	0.02	0.22	0	0.07	0.08
South Twin Reheat Furnace	1977	3.43	4.09	0.08	0.31	0.02	0.22	0	0.07	0.08
120" Line Boiler	1996	3.69	4.40	0.08	0.33	0.03	0.24	0	0.08	0.08
Main Bay Boiler #1	1982	1.96	2.33	0.04	0.18	0.01	0.13	0	0.04	0.04
Shearing	existing	0	0	6.57	0.66	0	0	0	0	0
Two (2) Plasma Torches	existing	0	0	8.76	0.88	0	0	0	0	0
Subtotal		*62.34*	*74.21*	*49.59*	*40.02*	*0.45*	*5.00*	*0*	*1.34*	*1.40*
New Emission Units										
ASBF Shot Blaster	2008	0	0	82.88	60.56	0	0	0	0	0
ASBF Annealing Furnace	2008	20.24	24.09	0.46	1.83	0.14	1.32	0	0.43	0.45
Main Bay Boiler #2	2008	3.31	3.94	0.07	0.30	0.02	0.22	0	0.07	0.07
Belt Grinder	2008	0	0	0.88	0.09	0	0	0	0	0
Subtotal		*23.55*	*28.03*	*84.28*	*62.78*	*0.17*	*1.54*	*0*	*0.50*	*0.53*
Modified Emission Units										
120" Line Pickling	2008	0	94.80	69.13	80.97	0	0	79.00	0	79.00
Main Bay Spray Pickle	2008	0	45.00	32.81	38.43	0	0	9.90	0	9.90
Subtotal		*0*	*139.80*	*101.94*	*119.40*	*0*	*0*	*88.90*	*0*	*88.90*
Total Potential to Emit:		**85.88**	**242.04**	**235.81**	**222.21**	**0.61**	**6.54**	**88.90**	**1.84**	**90.83**

Uncontrolled Potential to Emit (tons/year)

Process / Emission Unit	Installation Date	CO	NO_X	PM	PM_{10}	SO_2	VOC	HAP HF	HAP Hexane	HAPs (total)
Existing Emission Units										
120" Line Shot Blaster	2008	0	0	2,233.80	223.38	0	0	0	0	0
Finish Mill Hot Rolling	1977	0	0	0	0	0	0.92	0	0	0
Finish Mill Walking Beam Reheat Furnace	1995	7.73	9.20	0.17	0.70	0.06	0.51	0	0.17	0.17
120" Salem Annealing Furnace	1996	14.57	17.34	0.33	1.32	0.10	0.95	0	0.31	0.33
96" Salem Annealing Furnace 1	1991	11.77	14.02	0.27	1.07	0.08	0.77	0	0.25	0.26
96" Salem Annealing Furnace 2	1991	11.77	14.02	0.27	1.07	0.08	0.77	0	0.25	0.26
Heppenstall Annealing Furnace	1980	3.97	4.73	0.09	0.36	0.03	0.26	0	0.09	0.09
North Twin Reheat Furnace	1977	3.43	4.09	0.08	0.31	0.02	0.22	0	0.07	0.08
South Twin Reheat Furnace	1977	3.43	4.09	0.08	0.31	0.02	0.22	0	0.07	0.08
120" Line Boiler	1996	3.69	4.40	0.08	0.33	0.03	0.24	0	0.08	0.08
Main Bay Boiler #1	1982	1.96	2.33	0.04	0.18	0.01	0.13	0	0.04	0.04
Shearing	existing	0	0	6.57	0.66	0	0	0	0	0
Two (2) Plasma Torches	existing	0	0	8.76	0.88	0	0	0	0	0
Subtotal		*62.34*	*74.21*	*2,250.54*	*230.55*	*0.45*	*5.00*	*0*	*1.34*	*1.40*
New Emission Units										
ASBF Shot Blaster	2008	0	0	2,680.56	268.06	0	0	0	0	0
ASBF Annealing Furnace	2008	20.24	24.09	0.46	1.83	0.14	1.32	0	0.43	0.45
Main Bay Boiler #2	2008	3.31	3.94	0.07	0.30	0.02	0.22	0	0.07	0.07
Belt Grinder	2008	0	0	0.88	0.09	0	0	0	0	0
Subtotal		*23.55*	*28.03*	*2,681.97*	*270.27*	*0.17*	*1.54*	*0*	*0.50*	*0.53*
Modified Emission Unit										
120" Line Pickling	2008	0	394.20	262.80	262.80	0	0	131.40	0	131.40
Main Bay Spray Pickle	2008	0	473.04	197.10	433.62	0	0	157.68	0	157.68
Subtotal		*0*	*867.24*	*459.90*	*696.42*	*0*	*0*	*289.08*	*0*	*289.08*
Total Uncontrolled PTE:		*85.88*	*969.48*	*5,392.41*	*1,197.25*	*0.61*	*6.54*	*289.08*	*1.84*	*291.01*

Pickling Lines
Uncontrolled Potential to Emit

Emission Unit	Maximum Capacity (tons/hr)	Pollutant	Emission Factor (lb/ton)	Source of Emission Factor	Control Efficiency %	Capture Efficiency %	Equivalent Emission Rate (lb/ton)	Potential Emissions (tons/year) CO	NO_X	PM	PM_{10}	SO_2	VOC	HF
Main Bay Spray Pickle (formerly Batch Pickling Line - 1944)	36 (tons/hr)	PM	1.25	2004 Stack Test	NA	NA	NA	0	473.04	197.1	433.62	0	0	157.68
		PM_{10}	2.75	2004 Stack Test	NA	NA	NA							
	315,360 (tons/year)	NO_X	3.00	2004 Stack Test	NA	NA	NA							
		HF	1.00	2004 Stack Test	NA	NA	NA							
120" Line Pickling	30 (tons/hr)	PM	2.00	T 065-17992-00003	NA	NA	NA	0	394.20	262.80	262.80	0	0	131.40
		PM_{10}	2.00	T 065-17992-00004	NA	NA	NA							
	262,800 (tons/year)	NO_X	3.00	T 065-17992-00005	NA	NA	NA							
		HF	1.00	2004 Stack Test	NA	NA	NA							

Pickling Lines
Previously Permitted Limited Potential to Emit

Emission Unit	Limited Capacity (tons/hr)	Pollutant	Emission Factor (lb/ton)	Source of Emission Factor	Control Efficiency %	Capture Efficiency %	Equivalent Emission Rate (lb/ton)	Potential Emissions (tons/year) CO	NO_X	PM	PM_{10}	SO_2	VOC	HF
Main Bay Spray Pickle (formerly Batch Pickling Line - 1944)	36 (tons/hr)	PM	1.25	2004 Stack Test	NA	NA	NA	0	473.04	197.1	433.62	0	0	157.68
		PM_{10}	2.75	2004 Stack Test	NA	NA	NA							
	315,360 (tons/year)	NO_X	3.00	2004 Stack Test	NA	NA	NA							
		HF	1.00	2004 Stack Test	NA	NA	NA							
120" Line Pickling	30 (tons/hr)	PM	2.00	T 065-17992-00003	NA	NA	NA	0	227.25	151.50	151.50	0	0	75.75
		PM_{10}	2.00	T 065-17992-00004	NA	NA	NA							
	151,500 (tons/year)	NO_X	3.00	T 065-17992-00005	NA	NA	NA							
		HF	1.00	2004 Stack Test	NA	NA	NA							

Pickling Lines
Controlled Potential to Emit

Emission Unit	Limited Capacity (tons/year)	Pollutant	Emission Factor (lb/ton)	Source of Emission Factor	Control Efficiency %	Capture Efficiency %	Equivalent Emission Rate (lb/ton)	Potential Emissions (tons/year) CO	NO_X	PM	PM_{10}	SO_2	VOC	HF
Main Bay Spray Pickle (formerly Batch Pickling Line - 1944)	75,000	PM	1.25	2004 Stack Test	30	100	0.875	0	45.00	32.81	38.43	0	0	0.75
		PM_{10}	2.75	2004 Stack Test	62.73	100	1.025							
		NO_X	3.00	2004 Stack Test	60	100	1.20							
		HF	1.00	2004 Stack Test	98	100	0.02							
120" Line Pickling	158,000	PM	1.25	2004 Stack Test	30	100	0.875	0	94.80	69.13	80.97	0	0	1.58
		PM_{10}	2.75	2004 Stack Test	62.73	100	1.025							
		NO_X	3.00	2004 Stack Test	60	100	1.20							
		HF	1.00	2004 Stack Test	98	100	0.02							

Pickling Lines
Limited Potential to Emit

Emission Unit	Limited Capacity (tons/year)	Pollutant	Emission Factor (lb/ton)	Source of Emission Factor	Control Efficiency %	Capture Efficiency %	Equivalent Emission Rate (lb/ton)	Potential Emissions (tons/year) CO	NO_X	PM	PM_{10}	SO_2	VOC	HF
Main Bay Spray Pickle (formerly Batch Pickling Line - 1944)	75,000	PM	1.25	2004 Stack Test	30	100	0.875	0	45.00	32.81	38.43	0	0	9.90
		PM_{10}	2.75	2004 Stack Test	62.73	100	1.025							
		NO_X	3.00	2004 Stack Test	60	100	1.200							
		HF	1.00	2004 Stack Test	98	100	0.264							
120" Line Pickling	158,000	PM	1.25	2004 Stack Test	30	100	0.875	0	94.80	69.13	80.97	0	0	79.00
		PM_{10}	2.75	2004 Stack Test	62.73	100	1.025							
		NO_X	3.00	2004 Stack Test	60	100	1.200							
		HF	1.00	2004 Stack Test	98	100	1.000							

Pickling Lines
Change in Limited Potential to Emit

Emission Unit	Limited Capacity (tons/year)	Pollutant	Emission Factor (lb/ton)	Source of Emission Factor	Control Efficiency %	Capture Efficiency %	Equivalent Emission Rate (lb/ton)	Potential Emissions (tons/year) CO	NO_X	PM	PM_{10}	SO_2	VOC	HF
Main Bay Spray Pickle	75,000							0	-428.04	-164.29	-395.19	0	0	-147.78
120" Line Pickling	158,000							0	-132.45	-82.38	-70.53	0	0	3.25
								0	-560.49	-246.66	-465.72	0	0	-144.53

Methodology:
Potential Emissions (tons/year) = Maximum Capacity (tons/hr) x Emission Factor (lb/ton) x (1 ton / 2000 lbs) x (8760 hr/year)
Controlled Emissions (tons/year) = Limited Capacity (tons/hr) x Emission Factor (lb/ton) x (1 ton / 2000 lbs) x (8760 hr/year) x Capture Efficiency x (1 - Control Efficiency)
The stack test conducted on September 22, 2004 for the 120" line pickling unit without a control device (wet scrubber) resulted in PM and NO_X emission rate of 0.01 and 0.27 lbs/ton, respectively.
The PM, PM_{10}, and NO_X emission factors of 1.25, 2.75, and 3.00 lbs/ton, respectively, were used to add a safety factor to the tested emission factor.

Finish Mill Hot Rolling

Process Data:

Estimation Method:	Engineering Cacluclations	
Source Classification Code:	3-03-009-31	
Maximum Process throughput:	2.625	ton/hr
Emission factors source:	AIRS	
Pollutant generated by process:	VOC	
Emission factors:	0.08	lb/ton
Control equipment:	None	
Capture efficiency:	N/A	
Control efficiency:	N/A	
VOC Emissions:	**0.92**	**ton/yr**

Methodology:

VOC emissions = (Maximum process throughput) * (Emissions Factor) * (8,760 hrs/yr) * (1 ton/2,000 lbs)

Shotblasting Units
Uncontrolled Potential to Emit

Emission Unit	Maximum Capacity (tons/hr)	Pollutant	Emission Factor (lb/ton)	Source of Emission Factor	Control Efficiency %	Capture Efficiency %	Potential Emissions (tons/year) CO	NO_X	PM	PM_{10}	SO_2	VOC
120" Line Shotblaster	30	PM	17.00	AP42	0	0	0	0	2233.80	223.38	0	0
		PM_{10}	1.70	AP42	0	0						
ASBF Shot Blaster	36	PM	17.00	AP42	0	0	0	0	2680.56	268.06	0	0
		PM_{10}	1.70	AP42	0	0						

Shotblasting Units
Controlled & Limited Potential to Emit

Emission Unit	Limited Capacity (tons/year)	Pollutant	Emission Factor (lb/ton)	Source of Emission Factor	Control Efficiency %	Equivalent Emission Rate (lb/ton)	Potential Emissions (tons/year) CO	NO_X	PM	PM_{10}	SO_2	VOC
120" Line Shotblaster	262,800	PM	17.00	2003 Stack Test	Accounted for in Stack Test	0.25	0	0	32.85	32.85	0	0
		PM_{10}	1.70	2003 Stack Test		0.25						
ASBF Shot Blaster	75,000	PM	17.00	AP-42	87	2.21	0	0	82.88	60.56	0	0
		PM_{10}	1.70	AP-42	5	1.615						

Emission Unit	Limited Capacity (tons/year)	Pollutant	Emission Factor (lb/ton)	Source of Emission Factor	Control Efficiency %	Equivalent Emission Rate (lb/ton)	Potential Emissions (lb/hr) CO	NO_X	PM	PM_{10}	SO_2	VOC
120" Line Shotblaster	262,800	PM	17.00	2003 Stack Test	Accounted for in Stack Test	0.25	0	0	7.50	7.50	0	0
		PM_{10}	1.70	2003 Stack Test		0.25						
ASBF Shot Blaster	75,000	PM	17.00	AP-42	87	2.21	0	0	18.92	13.83	0	0
		PM_{10}	1.70	AP-42	5	1.615						

Methodology:
Potential Emissions (tons/year) = Maximum Capacity (tons/hr) x (Emission Factor) x (1 ton / 2000 lbs) x (8760 hr/year)
Controlled Emissions (tons/year) = Limited Capacity (tons/hr) x Equivalent Emission Rate (lb/ton) x (1 ton / 2000 lbs
Controlled Emissions (lb/hr) = Limited Capacity (tons/hr) x Equivalent Emission Rate (lb/ton) x (1 year / 8760 hours

Furnaces

Natural Gas Combustion <100 MMBtu/hr

Emission Unit	Heat Input Capacity	Drying Oven Potential Throughput
	MMBtu/hr	*MMCF/yr*
Finish Mill Walking Beam Reheat Furnac	21.00	183.96
120" Salem Annealing Furnace	39.60	346.90
120" ASBF Annealing Furnace	55.00	481.80
96" Salem Annealing Furnace -1	32.00	280.32
96" Salem Annealing Furnace -2	32.00	280.32
Heppenstall Annealing Furnace	10.80	94.61
North Twin Reheat Furnace	9.33	81.73
South Twin Reheat Furnace	9.33	81.73
Totals:	**93.46**	**818.71**

	Potential To Emit (tons/yr)					
	CO	**NO_X****	**PM***	**PM_{10}***	**SO_2**	**VOC**
Emission Factor in lb/MMCF	*84.0*	*100*	*1.90*	*7.60*	*0.600*	*5.5*
Finish Mill Walking Beam Reheat Furnac	7.73	9.20	0.17	0.70	0.06	0.51
120" Salem Annealing Furnace	14.57	17.34	0.33	1.32	0.10	0.95
ASBF Annealing Furnace	20.24	24.09	0.46	1.83	0.14	1.32
96" Salem Annealing Furnace -1	11.77	14.02	0.27	1.07	0.08	0.77
96" Salem Annealing Furnace -2	11.77	14.02	0.27	1.07	0.08	0.77
Heppenstall Annealing Furnace	3.97	4.73	0.09	0.36	0.03	0.26
North Twin Reheat Furnace	3.43	4.09	0.08	0.31	0.02	0.22
South Twin Reheat Furnace	3.43	4.09	0.08	0.31	0.02	0.22
Total PTE	**34.39**	**40.94**	**0.78**	**3.11**	**0.25**	**2.25**

	Potential To Emit (tons/yr)				
	Benzene	**Dichlorobenzene**	**Formaldehyde**	**Hexane**	**Toluene**
Emission Factor in lb/MMCF	*0.0021*	*0.0012*	*0.075*	*1.8*	*0.0034*
Finish Mill Walking Beam Reheat Furnac	1.93E-04	1.10E-04	6.90E-03	1.66E-01	3.13E-04
120" Salem Annealing Furnace	3.64E-04	2.08E-04	1.30E-02	3.12E-01	5.90E-04
ASBF Annealing Furnace	5.06E-04	2.89E-04	1.81E-02	4.34E-01	8.19E-04
96" Salem Annealing Furnace -1	2.94E-04	1.68E-04	1.05E-02	2.52E-01	4.77E-04
96" Salem Annealing Furnace -2	2.94E-04	1.68E-04	1.05E-02	2.52E-01	4.77E-04
Heppenstall Annealing Furnace	9.93E-05	5.68E-05	3.55E-03	8.51E-02	1.61E-04
North Twin Reheat Furnace	8.58E-05	4.90E-05	3.06E-03	7.36E-02	1.39E-04
South Twin Reheat Furnace	8.58E-05	4.90E-05	3.06E-03	7.36E-02	1.39E-04
Total PTE	**8.60E-04**	**4.91E-04**	**3.07E-02**	**7.37E-01**	**1.39E-03**

	Potential To Emit (tons/yr)				
	Lead	**Cadmium**	**Chromium**	**Manganese**	**Nickel**
Emission Factor in lb/MMCF	*0.00050*	*0.0011*	*0.0014*	*0.00038*	*0.0021*
Finish Mill Walking Beam Reheat Furnac	4.60E-05	1.01E-04	1.29E-04	3.50E-05	1.93E-04
120" Salem Annealing Furnace	8.67E-05	1.91E-04	2.43E-04	6.59E-05	3.64E-04
ASBF Annealing Furnace	1.20E-04	2.65E-04	3.37E-04	9.15E-05	5.06E-04
96" Salem Annealing Furnace -1	7.01E-05	1.54E-04	1.96E-04	5.33E-05	2.94E-04
96" Salem Annealing Furnace -2	7.01E-05	1.54E-04	1.96E-04	5.33E-05	2.94E-04
Heppenstall Annealing Furnace	2.37E-05	5.20E-05	6.62E-05	1.80E-05	9.93E-05
North Twin Reheat Furnace	2.04E-05	4.50E-05	5.72E-05	1.55E-05	8.58E-05
South Twin Reheat Furnace	2.04E-05	4.50E-05	5.72E-05	1.55E-05	8.58E-05
Total PTE	**2.05E-04**	**4.50E-04**	**5.73E-04**	**1.56E-04**	**8.60E-04**

Methodology:
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas
*PM emission factor is filterable PM only. PM_{10} emission factor is condensable and filterable PM_{10} combined.
**Emission Factors for NO_X: Uncontrolled = 100, Low NO_X Burner = 50, Low NO_X Burners/Flue gas recirculation = 32
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT
All emission factors are based on normal firing.

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x (8760 hrs/yr) x (1 MMCF / 1,000 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF) / 2,000 lb/ton

Miscellaneous Insignificant Activites
Potential to Emit

Emission Unit	Number of Like Units	Maximum Capacity (lbs/hr)	Pollutant	Emission Factor (lb/ton)	Control Efficiency %	Capture Efficiency %	Potential Emissions (tons/year)					
							CO	NO_X**	PM	PM_{10}*	SO_2	VOC
Belt Grinder	1 NEW	4,000	PM	0.1	0	0	0	0	0.88	0.09	0	0
			PM_{10}	0.01	0	0						
Shearing	all existing	30,000	PM	0.1	0	0	0	0	6.57	0.66	0	0
			PM_{10}	0.01	0	0						
Plasma Torch Cutting	2 (existing)	40,000	PM	0.1	0	0	0	0	8.76	0.88	0	0
			PM_{10}	0.01	0	0						

Methodology:
Emission (tons/yr) = Maximum Capacity (lbs/hr) x (1 ton / 2000 lbs) x Emission Factor (lbs/ton) x (1 ton / 2000 lbs) x (8760 hr/y

Boilers

Natural Gas Combustion <100 MMBtu/hr

Emission Unit	Heat Input Capacity	Drying Oven Potential Throughput
	MMBtu/hr	*MMCF/yr*
120" Line Boiler	10.04	87.95
Main Bay Boiler #1	5.33	46.69
Main Bay Boiler #2	9.00	78.84
Total:	**24.37**	**213.48**

	Potential To Emit (tons/yr)					
	CO	**NO_X****	**PM***	**PM_{10}***	**SO_2**	**VOC**
Emission Factor in lb/MMCF	*84.0*	*100*	*1.90*	*7.60*	*0.600*	*5.5*
120" Line Boiler	3.69	4.40	0.08	0.33	0.03	0.24
Main Bay Boiler #1	1.96	2.33	0.04	0.18	0.01	0.13
Main Bay Boiler #2	3.31	3.94	0.07	0.30	0.02	0.22
Total:	**8.97**	**10.67**	**0.20**	**0.81**	**0.06**	**0.59**

	Potential To Emit (tons/yr)				
	Benzene	**Dichlorobenzene**	**Formaldehyde**	**Hexane**	**Toluene**
Emission Factor in lb/MMCF	*0.0021*	*0.0012*	*0.075*	*1.8*	*0.0034*
120" Line Boiler	9.23E-05	5.28E-05	3.30E-03	7.92E-02	1.50E-04
Main Bay Boiler #1	4.90E-05	2.80E-05	1.75E-03	4.20E-02	7.94E-05
Main Bay Boiler #2	8.28E-05	4.73E-05	2.96E-03	7.10E-02	1.34E-04
Total:	**2.24E-04**	**1.28E-04**	**8.01E-03**	**1.92E-01**	**3.63E-04**

	Potential To Emit (tons/yr)				
	Lead	**Cadmium**	**Chromium**	**Manganese**	**Nickel**
Emission Factor in lb/MMCF	*0.00050*	*0.0011*	*0.0014*	*0.00038*	*0.0021*
120" Line Boiler	2.20E-05	4.84E-05	6.16E-05	1.67E-05	9.23E-05
Main Bay Boiler #1	1.17E-05	2.57E-05	3.27E-05	8.87E-06	4.90E-05
Main Bay Boiler #2	1.97E-05	4.34E-05	5.52E-05	1.50E-05	8.28E-05
Total:	**5.34E-05**	**1.17E-04**	**1.49E-04**	**4.06E-05**	**2.24E-04**

Methodology:
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas
*PM emission factor is filterable PM only. PM_{10} emission factor is condensable and filterable PM_{10} combined.
**Emission Factors for NO_X: Uncontrolled = 100, Low NO_X Burner = 50, Low NO_X Burners/Flue gas recirculation = 32
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D
All emission factors are based on normal firing.

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x (8760 hrs/yr) x (1 MMCF / 1,000 MMBtu)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF) / 2,000 lb/ton

326 IAC 6-3-2 Particulate Emission Rate Limitations

			Process Weight, P each unit		P<=60,000 lb/hr E = 4.10 P^0.67	P>60,000 lb/hr E = 55 P^0.11 - 40
PM Control Device	**Stack**	**Process**	P (lb/hr)	P (ton/hr)	E (lb/hr)	E (lb/hr)
wet scrubber	F	Main Bay Spray Pickle (formerly Batch Pickling Line - 1944)	72,000	36		41.57
wet scrubber	E	120" Line Pickling	60,000	30	40.04	
none	NA	Finish Mill Hot Rolling	5,250	2.625	7.83	
baghouse	C	120" Line Shotblaster	60,000	30	40.04	
baghouse	B	ASBF Shot Blaster	72,000	36		41.57
none	NA	Belt Grinder	4,000	2	6.52	
none	NA	Shearing	30,000	15	25.16	
none	NA	Plasma Torch Cutting	40,000	20	30.51	

326 IAC 6-2 Evaluation

Boilers	Installation Date	Rating (MMBtu/hr)	Q (MMBtu/hr)	Pt (lb/MMBtu)	Applicable Rule	Equation
Main Bay Boiler #1	1982	5.33		0.6	326 IAC 6-2-3	1
120" Line Boiler	1996	10.04		0.535	326 IAC 6-2-4	2
Main Bay Boiler #2	2008	9.00	24.37	0.475	326 IAC 6-2-4	2

Equation 1: $$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$ [326 IAC 6-2-3]

Where: Pt = Pounds of particulate matter emitted per million Btu heat input (lb/MMBtu).
C = Maximum ground level concentration with respect to distance from the point source at the "critical" wind speed for level terrain. This shall equal **50** μ/m^3 for a period not to exceed 60 minutes. 50
a = Plume rise factor. The value **0.67** shall be used for Q <= 1000 MMBtu/hr. 0.67
h = Stack height in feet. 9.5
Q = Total source maximum operating capacity rating in million Btu per hour (MMBtu/hr).
N = Number of stacks in fuel burning operation. 1

Equation 2: $$Pt = \frac{1.09}{Q^{0.26}}$$ [326 IAC 6-2-4]

Where: Pt = Pounds of particulate matter emitted per million Btu heat input (lb/MMBtu).
Q = Total source maximum operating capacity rating in million Btu per hour (MMBtu/hr).