



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant
DATE: April 11, 1006
RE: US Steel-Midwest Plant / 127-22561-00009
FROM: Paul Dubenetzky
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, Room 1049, 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.

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 impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

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

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

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



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

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April 11, 2006

Mr. Jim Alexander
US Steel – Midwest Plant
One North Broadway MS 70A
Gary, IN 46402

Re: 127-22561-00009
First Minor Permit Modification to
Part 70 No.: T 127-7403-00009

Dear Mr. Alexander:

US Steel – Midwest Plant was issued a permit on June 30, 2004, for a stationary steel finishing facility. A letter requesting changes to this permit was received on January 20, 2006. Pursuant to the provisions of 326 IAC 2-7-12 a minor permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of changes to the No. 2 Galvanizing Line to increase the maximum line speed from 360 to 500 feet per minute.

All other conditions of the permit shall remain unchanged and in effect. Please find enclosed the entire revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, press 0, extension 3-0868, or dial (317) 233-0868.

Sincerely,
Original signed by Nisha Sizemore for

Paul Dubenetzky, Assistant Commissioner
Office of Air Quality

Attachments

MDM

cc: File - Porter County
U.S. EPA, Region V
Porter County Health Department
Northwest Regional Office
Air Compliance Section Inspector – Rick Massoels
Compliance Data Section
Administrative and Development



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PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

**US Steel-Midwest Plant
U.S. Route 12
Portage, Indiana 46368**

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

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

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

Operation Permit No.: 127-7403-00009	
Original Issued and Signed by Janet G. McCabe Assistant Commissioner, Office of Air Quality	Issuance Date: June 30, 2004 Expiration Date: June 30, 2009
First Significant Permit Modification No.: 127-20158-00009, issued on January 6, 2005. Second Significant Permit Modification No.: 127-19605-00009, issued on June 29, 2005	
First Minor Permit Modification 127-22561-00009	
Original signed by Nisha Sizemore for: Paul Dubenetzky, Assistant Commissioner Office of Air Quality	Issuance Date: April 11, 2006 Expiration Date: June 30, 2009

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Part 70 Operating Permit Certification

Part 70 Operating Permit Emergency Occurrence Report

Part 70 Operating Permit Quarterly Deviation and Compliance Monitoring Report

SECTION A

SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary steel finishing facility.

Responsible Official:	Plant Manager
Source Address:	U.S. Route 12, Portage, Indiana 46368
Mailing Address:	U.S. Route 12, Portage, Indiana 46368
General Source Phone Number:	(219) 763-5869
SIC Code:	3316
County Location:	Porter
Source Location Status:	Nonattainment for 1-hour ozone and 8-hour ozone standard and PM _{2.5} standard Unclassifiable for PM ₁₀ and SO ₂ Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program (326 IAC 2-7-2) Major Source, under PSD and Emission Offset (326 IAC 2-2 and 326 IAC 2-3) 1 of 28 Source Categories (326 IAC 2-2)

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

US Steel-Midwest Plant consists of a source with on-site contractors:

- (a) US Steel-Midwest Plant, the primary operation, is located at U.S. Highway 12, Portage, Indiana 46368; and
- (b) American Iron Oxide Company (AMROX), the on-site contractor (an acid regeneration facility) is located at U.S. Highway 12, Portage, Indiana 46368.
- (c) Portside Energy, the on-site contractor (a Cogeneration facility), is located at U.S. Highway 12, Portage, Indiana 46368
- (d) Oil Technology, Inc, the on-site contractor (a used oil recycling facility), is located at U.S. Highway 12, Portage, Indiana 46368

IDEM has determined that US Steel-Midwest Plant and American Iron Oxide Company are not under the common control of US Steel-Midwest Plant and have different SIC. US Steel-Midwest Plant provides less than 50% of AMROX's capacity for spent pickle liquor recycling, purchases no iron oxide and receives less than 50% of the regenerated HCl from AMROX. These two plants are considered separate major sources. Therefore, the term "source" in the Part 70 documents refers to US Steel-Midwest Plant. American Iron Oxide Company will obtain their own Part 70 permit (T127-14756-00085).

IDEM has determined that US Steel-Midwest Plant and Portside Energy Company are not under the common control of US Steel-Midwest Plant and have different SIC. These two plants are considered separate major sources. Therefore, the term "source" in the Part 70 documents refers to US Steel-Midwest Plant. Portside Energy will obtain their own Part 70 permit (127-10138-

00067).

IDEM has determined that US Steel-Midwest Plant and Oil Technology, Inc. are under the common control of US Steel-Midwest Plant. These two plants are considered one source due to contractual control. Therefore, the term "source" in the Part 70 documents refers to both US Steel-Midwest Plant and Oil Technology, Inc. as one source. One combined Part 70 permit will be issued to US Steel-Midwest Plant and Oil Technology, Inc.

A.3 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) No. 1 Galvanizing Line (Also known as 48" Galvanizing Line) (Installed in 1960), with a capacity rate of 28.5 net tons of steel coated per hour and 50.3 MMBtu/hr heat input, consisting of the following:

- (1) Pre-melt kettle fired by natural gas exhausting through roof monitor.
- (2) Alkaline Electrolytic Cleaning Section (I020) with a fume washer and exhausting through stack S008.
- (3) Annealing Furnace Section (U005) fired by natural gas and exhausting through stack S023.
- (4) Hot Dip Galvanize Coating Section.
- (5) Chemical Treatment Section.
- (6) Post Anneal Furnace fired with natural gas and exhausting through stack S023a.
- (7) Roll Rig fired by natural gas exhausting through roof monitor.

(b) No. 2 Galvanizing Line (Also known as 72" Galvanizing Line) (Installed in 1970 and modified 1997), with a capacity rate of 65.6 net tons per hour of steel, consisting of the following:

- (1) Pre-melt kettle fired by natural gas and exhausting through roof monitor.
- (2) Alkaline Electrolytic Cleaning Section consisting of an electrolytic cleaning tank, a scrubber tank and a hot water rinse tank (U006a) with a fume washer (C006) and exhausting through stack S009.
- (3) Annealing Furnace Section (U006b).
 - (A) 149 natural gas burners, each with a rated capacity of 0.375 MMBtu per hour in furnace zones 1-5, exhausting through stack S-20.
 - (B) sixty-nine (69) natural gas burners, each with a rated capacity of 0.75 MMBtu per hour in furnace zones 6-9 and exhausting through stack S-20.
 - (C) sixty-nine (69) natural gas burners, each with a rated capacity of 0.75 MMBtu per hour in furnace zones 10-13 and exhausting through stack S-20a.
- (4) Hot Dip Galvanize Coating Section.

- (5) Chemical Treatment Section.
 - (6) Two (2) strip dryers, #1 and #2 with a rated capacity of 3.0 MMBtu per hour each fired by natural gas.
 - (7) One (1) roll rig with a rated capacity of 3.0 MMBtu per hour fired by natural gas and exhausting through a roof monitor.
 - (8) Drying oven fired by natural gas and rated at 7.8 MMBtu per hour exhausting through roof monitor.
- (c) Continuous Anneal Line (installed in 1961), with a capacity rate of 46.2 net tons per hour and 77.8 MMBtu/hr, consisting of the following:**
- (1) Alkaline Electrolytic Cleaning Section (I017) with a fume washer and exhausting through stack S004.
 - (2) Annealing Furnace (U007) fired by natural gas and exhausting through a roof vent.
 - (3) Two (2) 1.0 MMBtu per hour natural gas-fired strip dryers.
- (d) Batch Annealing Furnaces (Installed in 1961), with a total capacity rate of 125.6 tons of steel coils per hour and 149 MMBtu/hr heat input, consisting of the following:**
- Twenty (20) Multi Stack Batch Annealing Furnaces with fifty (50) Multi Stack bases (U008), fired by natural gas and exhausting through three (3) wall-mounted building vents.
- (e) Pickle Line (Installed in 1961), with a capacity rate of 165.5 tons per hour of steel, consisting of the following:**
- (1) Four (4) acid pickling tubs and one (1) rinse tub, (U010), with emissions controlled by a packed-bed scrubber at a design capacity of 58,000 cfm, designated as control device (C010), with emissions exhausting through stack S012.
 - (2) One (1) 30,000 gallon spent pickle liquor (SPL) tank, with emissions controlled by a packed-bed scrubber, designated as control device (C010), with emission exhausting through stack S012.
 - (3) Four (4) 10,000 gallon offline pickle solution storage tanks with uncontrolled fugitive emissions exhausting through vent F020.
- (f) 80" Cold Reduction Mill (Tandem Mill) (Installed in 1970), with a capacity rate of 131.3 net tons steel per hour, consisting of the following:**
- 80" Tandem Mill (U011) with four (4) oil mist eliminators (C011), exhausting through roof vents S010a and S010b.
- (g) 52" Cold Reduction Mill (Tandem Mill) (Installed in 1961), with a capacity rate of 73.6 net tons of steel per hour, consisting of the following:**
- 52" Tandem Mill (U012) with two (2) oil mist eliminators (C012), exhausting through stack U011a and stack U011b.

(h) No. 3 Galvanizing Line (Installed in 1998), with a capacity rate of 50 net tons of steel per hour, consisting of the following:

- (1) Water, Alkaline and Brush Cleaning Section (U015a), consisting of a water cleaning section with steam fired heater, an alkali cleaning section with steam fired heater and a brush cleaning and rinse section with steam fired heater with a common fume scrubber (C026) and exhausting through stack S026.
- (2) Direct-fire Furnace Section (U015b), consisting of a furnace with a direct fired section containing a 50 MMBtu per hour natural gas-fired burner with emissions controlled by Selective Non-Catalytic NOx Reduction providing seventy-six percent (76%) reduction (C025) and exhausting through stack S025.
- (3) Radiant Tube Anneal Section (U015c), consisting of a radiant tube heat section with a 10 MMBtu per hour natural gas-fired burner, and a radiant tube soak section with a 4 MMBtu per hour natural gas-fired burner exhausting through roof monitor (M015).
- (4) Hot Dip Galvanize Coating Section and Chemical Treatment, consisting of a galvanizing coating section and a chemical treatment section.
- (5) Two (2) strip dryers: Strip #1 with a 1.85 MMBtu per hour natural gas-fired burner and Strip #2 with a 2.5 MMBtu per hour natural gas-fired burner exhausting through roof monitor.
- (6) Temper mill leveling section with water wash.
- (7) Oil coating section.
- (8) One (1) roll rig.
- (9) Two (2) roll coaters placed in series, identified as RC-1 and RC-2, with a maximum acrylic application rate of 130 pounds per hour.
- (10) One (1) electric curing oven, identified as CO-1.
- (11) One (1) cooling unit.

(i) Electrolytic Cleaning Line (Installed in 1963), with a capacity rate of 43.4 net tons of steel per hour, consisting of the following:

Alkaline Electrolytic Cleaning Tubs (U021) with a fume washer (C021) and exhausting through stack S006.

(j) Chrome Electroplate Line (Installed in 1972), with a capacity rate of 31.4 net tons of steel per hour, consisting of the following:

- (1) Alkaline Electrolytic Cleaning Section (I018) with a fume washer and exhausting through stack S001.
- (2) Acid Cleaning Section (U014) with a fume washer (C014) and exhausting through stack S001.

- (3) Electroplating Section with Rinse and Chemical Treatment Tanks (I007) with a fume washer and exhausting through stack S001.

(k) Temper Mills with a capacity rate of 125.6 net tons of steel per hour at the Sheet Temper Mill (installed 1961), a capacity of 39.4 net tons of steel per hour at the No. 1 Tin Temper Mill (installed 1961) and a capacity of 70.8 net tons of steel per hour at the No. 2 Tin Temper Mill (installed 1972), consisting of the following:

- (1) No. 1 Tin Temper Mill (Tin Plate) (I001) exhausting through roof monitor.
- (2) No. 2 Tin Temper Mill (Tin Plate) (I002) exhausting through roof monitor.
- (3) Sheet Temper Mill (I008) with an oil mist eliminator and exhausting through stack S027.

(l) Tin Electroplate Line (Installed 1972), with a capacity rate of 38.2 net tons of steel per hour, consisting of the following:

- (1) Alkaline Cleaning Section (I003) with a fume washer exhausting through stack S002.
- (2) Acid Cleaning Section (I004) with a fume washer exhausting through stack S002.
- (3) Electroplating Section with rinse (I005) exhausting to a fume scrubber and exhausting through stack S003.
- (4) Chemical Treatment Section (I006) with a fume washer exhausting through stack S003.
- (5) Two (2) Tin Cast Shop Melt Furnaces (0.5 MMBtu/hr each) fired by natural gas and exhausting through stack S028.

A.4 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) Machining where an aqueous cutting coolant continuously floods the machining interface. [326 IAC 6-3-2]
- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3]
- (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) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations, including: [326 IAC 6-3-2]
 - (1) Wheelabrator roll shot blast No.1 (I009) with a baghouse, having a maximum flow rate of 4000 acfm and grain loading of 0.015 gr/acf, exhausting through stack

S005.

- (2) Wheelabrator roll shot blast No.2 (I010) with a baghouse, having a maximum flow rate of 4000 acfm and grain loading of 0.015 gr/acf, exhausting through stack S007.
- (e) Lime hopper (I012). [326 IAC 6-3-2]
- (f) Oil recovery facility (Oil Tech) (I024).
- (1) Two (2) process oil tanks (T-1 and T-2) with a capacity of 18,000 gallons each.
- (2) One (1) final product oil storage tank (T-3) with a capacity of 20,000 gallons.
- (3) Control equipment for the processing operation, which includes odor abatement system consisting of a condenser (CE1) to reduce steam and a packed tower scrubber (CE2) for odor control and emission control, exhausting through stack 1.

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

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

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

SECTION B

GENERAL CONDITIONS

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

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

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

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

B.3 Enforceability [326 IAC 2-7-7]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

and

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

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

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

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

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

schedule for said items or conditions; and

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

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

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

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

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

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and Northwest Regional Office, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;
Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance

Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967
Northwest Regional Office Telephone Number: (219) 757-0265
Northwest Regional Office Facsimile Number: (219) 757-0267

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

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

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

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

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
 - (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

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

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

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

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

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

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

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

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

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

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

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

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-4]

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

Request for renewal shall be submitted to:

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

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]
 - (1) A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
 - (2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

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

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue,
Indianapolis, Indiana 46204-2251
- Any such application shall be certified by the “responsible official” as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR Part 89.2.

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12 (b)(2)]

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

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

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

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

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

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

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

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

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

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

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

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

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

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

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

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

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

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

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

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

enforcement action or revocation of this permit.

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

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

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

- C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [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 Part 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]
-
- The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.
- C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]
-
- The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2. 326 IAC 9-1-2 is not federally enforceable.
- C.5 Fugitive Dust Emissions [326 IAC 6-4]
-
- The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).
- C.6 Operation of Equipment [326 IAC 2-7-6(6)]
-
- Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.
- C.7 Stack Height [326 IAC 1-7]
-
- The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

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

All required notifications shall be submitted to:

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

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

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR Part 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 Part 61.145(a).

- (g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

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

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.10 Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

C.12 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- (a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment.
- (b) In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (c) Whenever a continuous emission monitor other than an opacity monitor is malfunctioning or will be down for calibration, maintenance, or repairs for a period of four (4) hours or more, a calibrated backup CEMS shall be brought online within four (4) hours of shutdown of the primary CEMS, and shall be operated until such time as the primary CEMS is back in operation.
- (d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to CP 127-4814, issued on February 12, 1996.

C.13 Monitoring Methods [326 IAC 3] [40 CFR Part 60] [40 CFR Part 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 Part 60, Appendix A, 40 CFR Part 60 Appendix B, 40 CFR Part 63, or other approved methods as specified in this permit.

C.14 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

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

C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

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

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

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

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

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

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

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

C.16 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR Part 68]

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

C.17 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan under 40 CFR Part 60 or 40 CFR Part 63, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit;

and an expected timeframe for taking reasonable response steps.

- (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan to include such response steps taken.

The OMM Plan or Parametric Monitoring and SSM Plan shall be submitted within the time frames specified by the applicable 40 CFR Part 60 or 40 CFR Part 63 requirements.

- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
 - (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan; or
 - (2) If none of the reasonable response steps listed in the Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
 - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.
 - (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
 - (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.

- (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.18 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.19 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

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

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

The statement must be submitted to:

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

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

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

C.20 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
- (c) If there is a reasonable possibility that a "project" (as defined in 326 IAC 2-2-1 (qq) and 326 IAC 2-3-1 (ll)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a "major modification" (as defined in 326 IAC 2-2-1 (ee) and 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 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 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 326 IAC 2-3-1(mm)(2)(A)(3); 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.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and 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 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 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee deems fit to include in this report,
- Reports required in this part shall be submitted to:
- Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

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

Pursuant to 40 CFR Part 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 Part 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 Part 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 Part 82.161.

SECTION D.1

FACILITY OPERATION CONDITIONS

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

(a) No. 1 Galvanizing Line (Also known as 48" Galvanizing Line) (Installed in 1960), with a capacity rate of 28.5 net tons of steel coated per hour and 50.3 MMBtu/hr heat input, consisting of the following:

- (1) Pre-melt kettle fired by natural gas exhausting through roof monitor.
- (2) Alkaline Electrolytic Cleaning Section (I020) with a fume washer and exhausting through stack S008.
- (3) Annealing Furnace Section (U005) fired by natural gas and exhausting through stack S023.
- (4) Hot Dip Galvanize Coating Section.
- (5) Chemical Treatment Section.
- (6) Post Anneal Furnace fired with natural gas and exhausting through stack S023a
- (7) Roll Rig fired by natural gas exhausting through roof monitor.

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

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

D.1.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the No.1 Galvanizing line shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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

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

At a process weight rate of 28.5 tons per hour for the No. 1 Galvanizing line, the allowable PM emission rate shall not exceed 38.7 pounds per hour.

D.1.2 Sulfur Dioxide [326 IAC 7-1.1-1]

In order to minimize SO₂ emissions from the pre-melt kettle, annealing furnace section (U005), post anneal furnace and roll rig shall be fired by natural gas only.

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

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

SECTION D.2

FACILITY OPERATION CONDITIONS

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

(b) No. 2 Galvanizing Line (Also known as 72" Galvanizing Line) (Installed in 1970 and modified 1997), with a capacity rate of 65.6 net tons per hour of steel, consisting of the following:

- (1) Pre-melt kettle fired by natural gas and exhausting through roof monitor.
- (2) Alkaline Electrolytic Cleaning Section consisting of an electrolytic cleaning tank, a scrubber tank and a hot water rinse tank (U006a) with a fume washer (C006) and exhausting through stack S009.
- (3) Annealing Furnace Section (U006b).
 - (A) 149 natural gas burners, each with a rated capacity of 0.375 MMBtu per hour in furnace zones 1-5, exhausting through stack S-20.
 - (B) sixty-nine (69) natural gas burners, each with a rated capacity of 0.75 MMBtu per hour in furnace zones 6-9 and exhausting through stack S-20.
 - (C) sixty-nine (69) natural gas burners, each with a rated capacity of 0.75 MMBtu per hour in furnace zones 10-13 and exhausting through stack S-20a.
- (4) Hot Dip Galvanize Coating Section.
- (5) Chemical Treatment Section.
- (6) Two (2) strip dryers, #1 and #2 with a rated capacity of 3.0 MMBtu per hour each fired by natural gas.
- (7) One (1) roll rig with a rated capacity of 3.0 MMBtu per hour fired by natural gas and exhausting through a roof monitor.
- (8) Drying oven fired by natural gas and rated at 7.8 MMBtu per hour exhausting through roof monitor.

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

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

D.2.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the No. 2 Galvanizing Line shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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

At a process weight rate of 65.6 tons per hour for the No. 2 Galvanizing line, the allowable PM emission rate shall not exceed 47.1 pounds per hour.

D.2.2 Emission Offset and Prevention of Significant Deterioration [326 IAC 2-3][326 IAC 2-2]

- (a) Pursuant to 326 IAC 2-2, 326 IAC 2-3 and CP 127-6706, issued November 19, 1996, as amended by Amendment 127-8296 issued on March 24, 1997, the emissions of oxides of nitrogen (NO_x) from No. 2 Galvanizing Line furnace exhausting through
- (1) stack S-20 shall not exceed 0.512 lbs/MMBtu; and
 - (2) stack S-20a shall not exceed 0.388 lbs/ MMBtu.
- (b) Pursuant to CP 127-6706 issued on November 19, 1996, condition 11, the seventeen (17) burners rated at maximum heat input capacity of 1.0 MMBtu/hr and the seventeen (17) burners rated at a maximum heat input capacity of 0.55 MMBtu/hr shall be removed from the furnace zones 6-9 prior to installation and operation of the new burners in furnace zones 6-9 and 10-13. This satisfies the requirements of emission offset requirements (326 IAC 2-3).
- (c) Pursuant to CP 127-6706 (modernization of the No. 2 Galvanizing line) issued November 19, 1996, condition 12, Boiler No. 1 used as an offset in CP127-5260 (Portside Energy Project) was required to be shutdown by April 30, 1997. This satisfies the requirements of emission offset requirements (326 IAC 2-3).

D.2.3 Emission Offset and Prevention of Significant Deterioration [326 IAC 2-3][326 IAC 2-2]

Pursuant to Amendment 127-8889 issued on December 8, 1997, the infrared drying oven shall only be fired by natural gas and shall have a maximum heat-input rate of 7.8 MMBtu/hr. Therefore, the PSD and emission offset requirements (326 IAC 2-2 and 326 IAC 2-3) do not apply.

D.2.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

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

D.2.5 Testing Requirements [326 IAC 2-7-6(1), (6)][326 IAC 2-1.1-11]

Within eighteen (18) months after issuance of this permit, the Permittee shall perform NO_x testing on the Annealing Furnace Section (U006b) stacks S-20 and S-20a utilizing a testing method approved by the Commissioner in accordance with Section C - Performance Testing. This test shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.

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

D.2.6 Record Keeping Requirements

- (a) To document compliance with Condition D.2.2, the Permittee shall maintain records of annual fuel consumption and fuel type using emission factor derived from most recent stack test.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3

FACILITY OPERATION CONDITIONS

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

(c) Continuous Anneal Line (installed in 1961), with a capacity rate of 46.2 net tons per hour and 77.8 MMBtu/hr, consisting of the following:

- (1) Alkaline Electrolytic Cleaning Section (I017) with a fume washer and exhausting through stack S004.
- (2) Annealing Furnace (U007) fired by natural gas and exhausting through a roof vent.
- (3) Two (2) 1.0 MMBtu per hour natural gas-fired strip dryers.

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

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

D.3.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the Continuous Anneal Line shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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:

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

At a process weight rate of 46.2 tons per hour for the Continuous Anneal Line, the allowable PM emission rate shall not exceed 43.8 pounds per hour.

D.3.2 Sulfur Dioxide [326 IAC 7-1.1-1]

In order to minimize SO₂ emissions from the annealing furnace section (U007) and strip dryers shall be fired by natural gas only.

SECTION D.4

FACILITY OPERATION CONDITIONS

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

- (d) Batch Annealing Furnaces (Installed in 1961), with a total capacity rate of 125.6 tons of steel coils per hour and 149 MMBtu/hr heat input, consisting of the following:**

Twenty (20) Multi Stack Batch Annealing Furnaces with fifty (50) Multi Stack bases (U008), fired by natural gas and exhausting through three (3) wall-mounted building vents.

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

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

D.4.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the Batch Annealing Furnaces shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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:

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

At a process weight rate of 125.6 tons per hour for the Batch Annealing Furnaces, the allowable PM emission rate shall not exceed 53.6 pounds per hour.

D.4.2 Sulfur Dioxide [326 IAC 7-1.1-1]

In order to minimize SO₂ emissions from the batch annealing furnaces (U008) shall be fired by natural gas only.

SECTION D.5

FACILITY OPERATION CONDITIONS

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

(e) Pickle Line (Installed in 1961), with a capacity rate of 165.5 tons per hour of steel, consisting of the following:

- (1) Four (4) acid pickling tubs and one (1) rinse tub, (U010), with emissions controlled by a packed-bed scrubber at a design capacity of 58,000 cfm, designated as control device (C010), with emissions exhausting through stack S012.
- (2) One (1) 30,000 gallon spent pickle liquor (SPL) tank, with emissions controlled by a packed-bed scrubber, designated as control device (C010), with emission exhausting through stack S012.
- (3) Four (4) 10,000 gallon offline pickle solution storage tanks with uncontrolled fugitive emissions exhausting through vent F020.

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

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

D.5.1 General Provisions Relating to HAPs [326 IAC 20-1-1][40 CFR Part 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the emission units described in this section except when otherwise specified in 40 CFR Part 63, Subpart CCC.

D.5.2 National Emission Standards for Hazardous Air Pollutants for Steel Pickling - HCl Process Facilities and Hydrochloric Acid Regeneration Plants [40 CFR Part 63, Subpart CCC] [40 CFR Part 63.1157]

Pursuant to 40 CFR Part 63, Subpart CCC, the pickle line shall comply with the following requirements:

The Permittee shall not cause or allow to be discharged into the atmosphere from the affected pickling line:

- (a) Any gases that contain HCl in a concentration in excess of 18 ppmv; or
- (b) HCl at a mass emission rate that corresponds to a collection efficiency of less than 97 percent.

D.5.3 NESHAP Maintenance Requirements [40 CFR Part 63.1160, Subpart CCC]

The Permittee shall comply with the operation and maintenance requirements of 40 CFR Part 63.6(e) (Subpart A, General Provisions). Pursuant to 40 CFR Part 63.1160, Subpart CCC, the Permittee shall prepare an operation and maintenance plan for each emission control device to be implemented no later than the compliance date. The plan shall be incorporated by reference into the source's Title V Permit. All such plans must be consistent with good maintenance practices and, for a scrubber emission control device, must at a minimum:

- (a) Require monitoring and recording the pressure drop across the scrubber once per shift while the scrubber is operating in order to identify changes that may indicate a need for maintenance;
- (b) Require the manufacturer's recommended maintenance at the recommended intervals on fresh solvent pumps, recirculating pumps, discharge pumps, and other liquid pumps, in addition to exhaust system and scrubber fans and motors associated with those pumps and fans;
- (c) Require cleaning of the scrubber internals and mist eliminators at intervals sufficient to prevent buildup of solids or other fouling;
- (d) Require an inspection of each scrubber at intervals of no less than 3 months with;
 - (1) Cleaning or replacement of any plugged spray nozzles or other liquid delivery devices;
 - (2) Repair or replacement of missing, misaligned, or damaged baffles, trays, or other internal components;
 - (3) Repair or replacement of droplet eliminator elements as needed;
 - (4) Repair or replacement of heat exchanger elements used to control the temperature of fluids entering or leaving the scrubber; and
 - (5) Adjustment of damper settings for consistency with the required air flow.
- (e) If the scrubber is not equipped with a viewport or access hatch allowing visual inspection, alternate means of inspection approved by the Administrator may be used.
- (f) The Permittee shall initiate procedures for corrective action within 1 working day of detection of an operating problem and complete all corrective actions as soon as practicable. Procedures to be initiated are the applicable actions that are specified in the maintenance plan. Failure to initiate or provide appropriate repair, replacement, or other corrective action is a violation of the maintenance requirement.
- (g) The Permittee shall maintain a record of each inspection, including each item identified in (d) above, that is signed by the responsible maintenance official and that shows the date of each inspection, the problem identified, a description of the repair, replacement, or other corrective action taken, and the date of the repair, replacement, or other corrective action taken.

D.5.4 NESHAP Operational and equipment standards [40 CFR Part 63.63.1159, Subpart CCC]

Hydrochloric acid storage vessels. Pursuant to 40 CFR Part 63.63.1159, Subpart CCC, the Permittee of an affected vessel shall provide and operate, except during loading and unloading of acid, a closed-vent system for each vessel. Loading and unloading shall be conducted either through enclosed lines or each point where the acid is exposed to the atmosphere shall be equipped with a local fume capture system, ventilated through an air pollution control device.

D.5.5 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the Pickle Line shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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

At a process weight rate of 165.5 tons per hour for the Pickle Line allowable PM emission rate shall not exceed 56.5 pounds per hour.

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

D.5.6 Testing Requirements [40 CFR Part 63.1161, Subpart CCC]

- (a) The Permittee shall conduct a performance test for each affected process or control device to determine and demonstrate compliance with the applicable emission limitation according to the requirements of 40 CFR Part 63.7 (Subpart A, General Provisions). Pursuant to 40 CFR Part 63.1161, Subpart CCC, the performance test shall meet the following minimum requirements:
- (1) Following approval of the site-specific test plan, the Permittee shall conduct a performance test for each process or control device to either measure simultaneously the mass flows of HCl at the inlet and the outlet of the control device (to determine compliance with the applicable collection efficiency standard) or measure the concentration of HCl in gases exiting the process or the emission control device (to determine compliance with the applicable emission concentration standards).
 - (2) Compliance with the applicable concentration standard or collection efficiency standard shall be determined by the average of three consecutive runs or by the average of any three of four consecutive runs. Each run shall be conducted under conditions representative of normal process operations.
 - (3) Compliance is achieved if either the average collection efficiency as determined by the HCl mass flows at the control device inlet and outlet is greater than or equal to the applicable collection efficiency standard, or the average measured concentration of HCl exiting the process or the emission control device is less than or equal to the applicable emission concentration standard.
- (b) During the performance test for each emission control device, the Permittee using a wet scrubber to achieve compliance shall establish site-specific operating parameter values for the minimum scrubber makeup water flow rate and, for scrubbers that operate with recirculation, the minimum recirculation water flow rate. During the emission test, each operating parameter must be monitored continuously and recorded with sufficient frequency to establish a representative average value for that parameter, but no less frequently than once every 15 minutes. The Permittee shall determine the operating parameter monitoring values as in the averages of the values recorded during any of the runs for which results are used to establish the emission concentration or collection efficiency per 40 CFR Part 63.1161(a)(2). A Permittee may conduct multiple performance tests to establish alternative compliant operating parameter values. Also, a Permittee may reestablish compliant operating parameter values as part of any performance test that is conducted subsequent to the initial test or tests.
- (c) Pursuant to 40 CFR Part 63.1163(d), the Permittee of an affected source shall notify IDEM, OAQ, in writing of his or her intention to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin, to allow IDEM, OAQ, to review and approve the site-specific test plan required under 40 CFR Part 63.7(c), and, if requested by IDEM, OAQ, to have an observer present during the test.

- (d) The following test methods from Appendix A of 40 CFR Part 60 shall be used to determine compliance under 40 CFR Part 63.1157(a):
- (1) Method 1, to determine the number and location of sampling points, with the exception that no sampling traverse point shall be within one inch of the stack or duct wall;
 - (2) Method 2, to determine gas velocity and volumetric flow rate;
 - (3) Method 3, to determine the molecular weight of the stack gas;
 - (4) Method 4, to determine the moisture content of the stack gas; and
 - (5) Method 26A, "Determination of Hydrogen Halide and Halogen Emissions from Stationary Sources – Isokinetic Method," to determine the HCl mass flows at the inlet and outlet of a control device or the concentration of HCl discharged to the atmosphere. If compliance with a collection efficiency standard is being demonstrated, inlet and outlet measurements shall be performed simultaneously. The minimum sampling time for each run shall be 60 minutes and the minimum sample volume 0.85 dry standard cubic meters (dscm) [30 dry standard cubic feet (dscf)]. The concentration of HCl shall be calculated for each run as follows: $C_{HCl(ppmv)} = 0.659 C_{HCl(mg/dscm)}$, where $C_{(ppmv)}$ is concentration in ppmv and $C_{(mg/dscm)}$ is concentration in milligrams per dry standard cubic meter as calculated by the procedure given in Method 26A.
 - (6) The Permittee may use equivalent alternative measurement methods approved by U.S. EPA.

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

D.5.7 Monitoring Requirements [40 CFR Part 63.1162]

The Permittee shall:

- (a) Conduct performance tests to measure the HCl flows at the control device inlet and outlet or the concentration of HCl exiting the control device according to the procedures described in 40 CFR Part 63.1161. Performance tests shall be conducted according to an alternative schedule approved by IDEM, OAQ, every two and half (2.5) years or twice per Part 70 Operating Permit term. If any performance test shows that the HCl emission limitation is being exceeded, the Permittee is in violation of the emission limit.
- (b) In addition to conducting performance tests, if a wet scrubber is used as the emission control device, install, operate and maintain systems for the measurement and recording of the scrubber makeup water flow rate and, if required, recirculation water flow rate. These flow rates must be monitored continuously and recorded at least once per shift while the scrubber is operating. Operation of the wet scrubber with excursions of scrubber makeup water flow rate and recirculation water flow rate less than the minimum values established during the performance test or tests will require initiation of corrective action as specified by the maintenance requirements in 40 CFR Part 63.1160(b)(2).
- (c) Failure to record each of the operating parameters in 40 CFR Part 63.1162(a)(2) is a violation of the monitoring requirements of 40 CFR Part 63, Subpart CCC.
- (d) Each monitoring device shall be certified by the manufacturer to be accurate to within 5 percent and shall be calibrated in accordance with the manufacturer's instructions but not less frequently than once per year.

- (e) The Permittee may develop and implement alternative monitoring requirements subject to approval by U.S. EPA..

D.5.8 Monitoring Requirements [40 CFR Part 63.1162]

Pursuant to 40 CFR Part 63.1162, the Permittee of an affected hydrochloric acid storage vessel shall inspect each vessel semiannually to determine that the closed-vent system and either the air pollution control device or the enclosed loading and unloading line, whichever is applicable, are installed and operating when required.

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

D.5.9 Record Keeping Requirements [40 CFR Part 63.1165]

- (a) To document compliance with Conditions D.5.2 and D.5.3, the Permittee shall maintain the following records pursuant to 40 CFR Part 63.1165:
- (1) The Permittee, as required by 40 CFR Part 63.10(b)(2) (Subpart A, General Provisions), shall maintain general records for 5 years from the date of each record of:
 - (A) The occurrence and duration of each startup, shutdown, or malfunction of operation;
 - (B) The occurrence and duration of each malfunction of the air pollution control equipment;
 - (C) All maintenance performed on the air pollution control equipment;
 - (D) Actions taken during periods of startup, shutdown, and malfunction and the dates of such actions when these actions are different from the procedures specified in the startup, shutdown, and malfunction plan;
 - (E) All information necessary to demonstrate conformance with the startup shutdown, and malfunction plan when all actions taken during periods of startup, shutdown, and malfunction (including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation) are consistent with the procedures specified in such plan. This information can be recorded in a checklist or similar form (see 40 CFR Part 63.10(b)(2)(v))
 - (F) All required measurements needed to demonstrate compliance with the standard and to support data that the source is required to report, including but not limited to, performance test measurements (including initial and any subsequent performance tests) and measurements as may be necessary to determine the conditions of the initial test or subsequent tests.
 - (G) All results of initial or subsequent performance tests;
 - (H) If the Permittee has been granted a waiver from record keeping or reporting requirements under 40 CFR Part 63.10(f), any information demonstrating whether a source is meeting the requirements for a waiver of record keeping or reporting requirements;
 - (I) If the Permittee has been granted a waiver from the initial performance test under 40 CFR Part 63.7(h), a copy of the full request and approval or disapproval;

- (J) All documentation supporting initial notifications and notifications of compliance status required by 40 CFR Part 63.9; and
 - (K) Records of any applicability determination, including supporting analyses.
- (2) In addition to the general records required by 40 CFR Part 63.1165(a) the Permittee shall maintain records for 5 years from the date of each record of:
- (A) Scrubber makeup water flow rate and recirculation water flow rate if a wet scrubber is used;
 - (B) Calibration and manufacturer certification that monitoring devices are accurate to within 5 percent;
 - (C) Each maintenance inspection and repair, replacement, or other corrective action; and
- (3) The Permittee shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by IDEM, OAQ, for the life of the affected source or until the source is no longer subject to these provisions 40CFR Part 63, Subpart CCC. In addition, if the operation and maintenance plan is revised, the Permittee shall keep previous (i.e., superseded) versions of the plan on record to be made available for inspection by IDEM, OAQ, for a period of 5 years after each revision to the plan.
- (b) General records and 40 CFR Part 63, Subpart CCC maintained on site for 2 years. Records for the 3 previous years may be maintained off site.
 - (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.5.10 Reporting Requirements [40 CFR Part 63.1164]

- (a) As required by 40 CFR Part 63.10(d)(2), the Permittee of an affected source shall report the results of any performance test as part of the notification of compliance status required in 40 CFR Part 63.1163.
 - (b) The Permittee of an affected source who is required to submit progress reports under 40 CFR Part 63.6(i), shall submit such reports to IDEM, OAQ, by the dates specified in the written extension of compliance.
 - (c) 40 CFR Part 63.6(e) requires the Permittee of an affected source is required to operate and maintain each affected emission source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the level required by the standard at all time, including during any period of startup, shutdown, or malfunction. Malfunctions must be corrected as soon as practicable after their occurrence in accordance with the startup, shutdown, and malfunction plan.
- (1) 40 CFR Part 63.6(e)(3), the Permittee shall develop and implement a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, or malfunction, and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard.

- (2) As required by 40 CFR Part 63.10(d)(5)(I) if actions taken by a Permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the startup, shutdown, and malfunction plan, the Permittee shall state such information in a semiannual report. The report, to be certified by the owner/operator or other responsible official, shall be submitted semiannually and delivered or postmarked by the 30th day following the end of each calendar half; and
 - (3) Any time an action taken by an Permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the Permittee shall comply with all requirements of 40 CFR Part 63.10(d)(5)(ii).
- (d) Reports shall be submitted in accordance with Section C - General Reporting Requirements of this permit.

SECTION D.6

FACILITY OPERATION CONDITIONS

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

- (f) **80" Cold Reduction Mill (Tandem Mill) (Installed in 1970), with a capacity rate of 131.3 net tons steel per hour, consisting of the following:**

80" Tandem Mill (U011) with four (4) oil mist eliminators (C011), exhausting through roof vents S010a and S010b.

- (g) **52" Cold Reduction Mill (Tandem Mill) (Installed in 1961), with a capacity rate of 73.6 net tons of steel per hour, consisting of the following:**

52" Tandem Mill (U012) with two (2) oil mist eliminators (C012), exhausting through stack U011b.

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

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

D.6.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the 80" Tandem Mill and 52" Tandem Mill shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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:

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

- (a) At a process weight rate of 131.3 tons per hour for the 80" Tandem Mill, the allowable PM emission rate shall not exceed 54.0 pounds per hour.
- (b) At a process weight rate of 73.6 tons per hour for the 52" Tandem Mill, the allowable PM emission rate shall not exceed 48.2 pounds per hour.

SECTION D.7

FACILITY OPERATION CONDITIONS

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

(h) No. 3 Galvanizing Line (Installed in 1998), with a capacity rate of 50 net tons of steel per hour, consisting of the following:

- (1) Water, Alkaline and Brush Cleaning Section (U015a), consisting of a water cleaning section with steam fired heater, an alkali cleaning section with steam fired heater and a brush cleaning and rinse section with steam fired heater with a common fume scrubber (C026) and exhausting through stack S026.
- (2) Direct-fire Furnace Section (U015b), consisting of a furnace with a direct fired section containing a 50 MMBtu per hour natural gas-fired burner with emissions controlled by Selective Non-Catalytic NOx Reduction providing seventy-six percent (76%) reduction (C025) and exhausting through stack S025.
- (3) Radiant Tube Anneal Section (U015c), consisting of a radiant tube heat section with a 10 MMBtu per hour natural gas-fired burner, and a radiant tube soak section with a 4 MMBtu per hour natural gas-fired burner exhausting through roof monitor (M015).
- (4) Hot Dip Galvanize Coating Section and Chemical Treatment, consisting of a galvanizing coating section and a chemical treatment section
- (5) Two (2) strip dryers: Strip #1 with a 1.85 MMBtu per hour natural gas-fired burner and Strip #2 with a 2.5 MMBtu per hour natural gas-fired burner exhausting through roof monitor.
- (6) Temper mill leveling section with water wash.
- (7) Oil coating section.
- (8) One (1) roll rig.
- (9) Two (2) roll coaters placed in series, identified as RC-1 and RC-2, with a maximum acrylic application rate of 130 pounds per hour.
- (10) One (1) electric curing oven, identified as CO-1.
- (11) One (1) cooling unit.

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

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

D.7.1 General Provisions Relating to NESHAP [326 IAC 20-1] [40 CFR Part 63, Subpart A] [Table 2 to 40 CFR Part 63, Subpart SSSS] [40 CFR Part 63.5140(b)]

- (a) The provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1, apply to the coil coating lines (RC-1 and RC-2), except when otherwise specified by Table 2 to 40 CFR Part 63, Subpart SSSS.

D.7.2 NESHAP - Surface Coating of Metal Coil – Emission Limits [40 CFR 63, Subpart SSSS]

Each coil coating line (RC-1 and RC-2) must limit organic HAP emissions to no more than 0.046 kilogram (kg) of organic HAP per liter of solids applied during each 12-month compliance period.

D.7.3 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the No.3 Galvanizing Line shall not exceed the pounds per hour emission rate established as “E” in the following equation:

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:

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

At a process weight rate of 50 tons per hour for the No.3 Galvanizing Line, the allowable PM emission rate shall not exceed 44.6 pounds per hour.

D.7.4 Nitrogen Oxide (NOx) [326 IAC 2-2]

Pursuant to CP 127-4814 issued on February 12, 1996, the oxides of nitrogen (NOx) emissions from the Direct-Fire furnace section controlled by a Selective Non-Catalytic NOx Reduction unit shall not exceed 3.24 lbs/hr. Therefore, the PSD and emission offset requirements (326 IAC 2-2 and 326 IAC 2-3) do not apply.

D.7.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

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

D.7.6 Selective Non-Catalytic NOx Reduction Unit

Pursuant to CP 127-4814, issued on February 12, 1996, the Selective Non-Catalytic NOx Reduction unit shall be in operation at all times that the direct fire section of the furnace is in operation.

D.7.7 NESHAP - Surface Coating of Metal Coil – Compliance Determination [40 CFR 63, Subpart SSSS]

Each coil coating line must comply with the following requirements:

- (a) If the Permittee elects to use coatings that individually meet the organic HAP emission limit in 40 CFR 63.5120(a)(2) as-purchased, to which the Permittee will not add HAP during distribution or application, the Permittee must demonstrate that each coating applied during the 12-month compliance period contains no more than 0.046 kg HAP per liter of solids on an as-purchased basis.
 - (1) Determine the organic HAP content for each coating material in accordance with 40 CFR 63.5160(b) and the volume solids content in accordance with 40 CFR 63.5160(c).
 - (2) The Permittee shall determine compliance by using the following equation to demonstrate that “as purchased” coatings contain no more than 0.046 kg HAP per liter of solids in accordance with 40 CFR 63.1520(a)(2).

$$H_{siap} = \frac{C_{hi} D_i}{V_{si}} \quad (\text{Eq. 1})$$

Where:

H_{siap} = as-purchased, organic HAP to solids ratio of coating material, i, kg organic HAP/liter solids applied.

C_{hi} = organic HAP content of coating material, i, expressed as a weight-fraction, kg/kg.

D_i = density of coating material, i, kg/l.

V_{si} = volume fraction of solids in coating, i, l/l.

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

D.7.8 Continuous Emission Monitoring

Pursuant to CP 127-4814, issued on February 12, 1996, a continuous emission monitor (CEM) system for NO_x shall be installed and operated in accordance with 326 IAC 3-5 to ensure compliance with conditions D.7.4 and D.7.6:

- (a) The continuous emissions monitoring system (CEMS) shall measure NO_x emissions rate in pounds per hour. The use of CEMS to measure and record the NO_x hourly emission rates over a twenty-four (24) operating hour block averaging period is sufficient to demonstrate compliance with the limits established in the condition D.7.4. The source shall maintain records of emission rates in pounds per hour.
- (b) The Permittee shall record the output of the system and shall perform the required record keeping, pursuant to 326 IAC 3-5-6, and reporting, pursuant to 326 IAC 3-5-7. The source shall also be required to maintain records of the amount of natural gas combusted per furnace on a monthly basis.

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

D.7.9 Record Keeping Requirements

- (a) To document compliance with Condition D.7.4 and D.7.8, the Permittee shall maintain records of the emission rate for NO_x in pounds per hour.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.7.10 Reporting Requirements

- (a) The Permittee shall submit the records of excess NO_x emissions (defined in 326 IAC 3-5-7 and 40 CFR Part 60.7) from the continuous emissions monitoring system.
- (b) Reports of excess NO_x emissions shall be submitted within thirty (30) calendar days following the end of each calendar quarter and in accordance with Section C - General Reporting Requirements of this permit. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

D.7.11 NESHAP - Surface Coating of Metal Coil – Record Keeping Requirements [40 CFR 63, Subpart SSSS]

Pursuant to 40 CFR 63.5190, the Permittee shall maintain the records as specified below.

- (a) Pursuant to 40 CFR 63.5190, the Permittee shall maintain the records of the coating

lines on which the Permittee used each compliance option and the time periods (beginning and ending dates and times) the Permittee used each option.

- (b) Pursuant to 40 CFR 63.5190, the Permittee shall maintain the records specified in 40 CFR 63.10(b)(2) of all measurements needed to demonstrate compliance with 40 CFR 63, Subpart SSSS, including:
 - (1) organic HAP content data for the purpose of demonstrating compliance in accordance with 40 CFR 63.5160(b);
 - (2) volatile matter and solids content data for the purpose of demonstrating compliance in accordance with 40 CFR 63.5160(c);
 - (3) material usage, HAP usage, volatile matter usage, and solids usage and compliance demonstrations using these data in accordance with 40 CFR 63.5170(a), (b), and (d).
- (c) Pursuant to 40 CFR 63.5190, the Permittee shall maintain the records specified in 40 CFR 63.10(b)(3).

D.7.12 NESHAP - Surface Coating of Metal Coil – Reporting Requirements [40 CFR 63, Subpart SSSS]

Pursuant to 40 CFR 63.5180, the Permittee shall submit reports as specified below.

- (a) The Permittee must submit an initial notification required in 40 CFR 63.9(b).
 - (1) The Permittee submitted the initial notification on June 8, 2004.
- (b) The Permittee must submit a Notification of Compliance Status as specified in 40 CFR 63.9(h). The Permittee must submit the Notification of Compliance Status by January 30, 2006, or no later than 30 calendar days following the end of the initial 12-month compliance period described in 40 CFR 63.5130.
- (c) The Permittee must submit semi-annual compliance reports containing the information specified in 40 CFR 63.5180 (g)(1) and (2).
 - (1) Compliance report dates.
 - (i) The first compliance report must cover the period beginning on June 10, 2005 and ending on June 30, 2006 in accordance with 40 CFR 63.5130(a).
 - (ii) The first compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for the affected source in 40 CFR 63.5130(a).
 - (iii) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
 - (iv) Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.
 - (v) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or part 71, and the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), the Permittee may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in

40 CFR 63.5180 (g)(1)(i) through (iv).

- (2) The semi-annual compliance report must contain the following information:
 - (i) Company name and address.
 - (ii) Statement by a responsible official with that official's name, title, and signature, certifying the accuracy of the content of the report.
 - (iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
 - (iv) Identification of the compliance option or options specified in Table 1 to 40 CFR 63.5170 that the Permittee used on each coating operation during the reporting period. If the Permittee switched between compliance options during the reporting period, the Permittee must report the beginning dates the Permittee used each option.
 - (v) A statement that there were no deviations from the standards during the reporting period, and that no CEMS were inoperative, inactive, malfunctioning, out-of-control, repaired, or adjusted.

- (d) The Permittee must submit, for each deviation occurring at an affected source where the Permittee is not using CEMS to comply with the standards in this subpart, the semi-annual compliance report containing the information in 40 CFR 63.5180 (g)(2)(i) through (iv) and the information in 40 CFR 63.5180 (h)(1) through (3) including the following:
 - (1) The total operating time of each affected source during the reporting period.
 - (2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable, and the corrective action taken.
 - (3) Information on the number, duration, and cause for monitor downtime incidents (including unknown cause other than downtime associated with zero and span and other daily calibration checks, if applicable).

SECTION D.8

FACILITY OPERATION CONDITIONS

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

- (i) **Electrolytic Cleaning Line (Installed in 1963), with a capacity rate of 43.4 net tons of steel per hour, consisting of the following:**

Alkaline Electrolytic Cleaning Tubs (U021) with a fume washer (C021) and exhausting through stack S006.

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

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

D.8.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the Electrolytic Cleaning Line shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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

At a process weight rate of 43.4 tons per hour for the Electrolytic Cleaning Line, the allowable PM emission rate shall not exceed 43.3 pounds per hour.

SECTION D.9

FACILITY OPERATION CONDITIONS

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

(j) Chrome Electroplate Line (Installed in 1972), with a capacity rate of 31.4 net tons of steel per hour, consisting of the following:

- (1) Alkaline Electrolytic Cleaning Section (I018) with a fume washer and exhausting through stack S001.
- (2) Acid Cleaning Section (U014) with a fume washer (C014) and exhausting through stack S001.
- (3) Electroplating Section with Rinse and Chemical Treatment Tanks (I007) with a fume washer and exhausting through stack S001.

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

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

D.9.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the Chrome Electroplate line shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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

At a process weight rate of 31.4 tons per hour for the Chrome Electroplate line, the allowable PM emission rate shall not exceed 40.4 pounds per hour.

SECTION D.10

FACILITY OPERATION CONDITIONS

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

(k) Temper Mills with a capacity rate of 125.6 net tons of steel per hour at the Sheet Temper Mill (installed 1961), a capacity of 39.4 net tons of steel per hour at the No. 1 Tin Temper Mill (installed 1961) and a capacity of 70.8 net tons of steel per hour at the No. 2 Tin Temper Mill (installed 1972), consisting of the following:

- (1) No. 1 Tin Temper Mill (Tin Plate) (I001) exhausting through roof monitor.
- (2) No. 2 Tin Temper Mill (Tin Plate) (I002) exhausting through roof monitor.
- (3) Sheet Temper Mill (I008) with an oil mist eliminator and exhausting through stack S027.

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

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

D.10.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the Temper Mills shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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:

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

- (a) At a process weight rate of 39.4 tons per hour for the No. 1 Tin Temper Mill, the allowable PM emission rate shall not exceed 42.4 pounds per hour.
- (b) At a process weight rate of 70.8 tons per hour for the No. 2 Tin Temper Mill, the allowable PM emission rate shall not exceed 47.9 pounds per hour.
- (c) At a process weight rate of 125.6 tons per hour for the Sheet Temper Mill, the allowable PM emission rate shall not exceed 53.6 pounds per hour.

SECTION D.11

FACILITY OPERATION CONDITIONS

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

- (I) Tin Electroplate Line (Installed 1972), with a capacity rate of 38.2 net tons of steel per hour, consisting of the following:**
- (1) Alkaline Cleaning Section (I003) with a fume washer exhausting through stack S002.
 - (2) Acid Cleaning Section (I004) with a fume washer exhausting through stack S002.
 - (3) Electroplating Section with rinse (I005) exhausting to a fume scrubber and exhausting through stack S003.
 - (4) Chemical Treatment Section (I006) with a fume washer exhausting through stack S003.
 - (5) Two (2) Tin Cast Shop Melt Furnaces (0.5 MMBtu/hr each) fired by natural gas and exhausting through stack S028.

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

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

D.11.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the Tin Electroplate line shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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:

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

At a process weight rate of 38.2 tons per hour for the Tin Electroplate line, the allowable PM emission rate shall not exceed 42.1 pounds per hour.

SECTION D.12

FACILITY OPERATION CONDITIONS

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

Insignificant Activities:

- (a) Machining where an aqueous cutting coolant continuously floods the machining interface. [326 IAC 6-3-2]
- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3]
- (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) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations, including: [326 IAC 6-3-2]
 - (1) Wheelabrator roll shot blast No.1 (I009) with a baghouse, having a maximum flow rate of 4000 acfm and grain loading of 0.015, exhausting through stack S005.
 - (2) Wheelabrator roll shot blast No.2 (I010) with a baghouse, having a maximum flow rate of 4000 acfm and grain loading of 0.015, exhausting through stack S007.
- (e) Lime hopper (I012). [326 IAC 6-3-2]

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

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

D.12.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the PM from the above cited processes shall not exceed the pounds per hour emission rate established as "E" in the following equation:

Interpolation of the data for the process weight rate up to 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

D.12.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the Permittee of a cold cleaner degreaser without remote solvent reservoirs shall ensure that the following requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°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°C) (one hundred degrees Fahrenheit (100°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 which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°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°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 or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the Permittee of a cold cleaning facility shall ensure that the following 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 only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.12.3 Organic Solvent Degreasing Operations [326 IAC 8-3-8]

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

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

D.12.4 Record Keeping Requirements

- (a) In order to comply with D.12.3, the Permittee subject to the requirements of 326 IAC 8-3-8 c)(2)(B) shall maintain each of the following records for each purchase:
- (1) The name and address of the solvent supplier.
 - (2) The date of purchase.
 - (3) The type of solvent.
 - (4) The volume of each unit of solvent.
 - (5) The total volume of the solvent.
 - (6) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty -eight (68) degrees Fahrenheit).

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

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

SECTION D.13

FACILITY OPERATION CONDITIONS

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

Insignificant Activities:

(f) Oil recovery facility (Oil Tech) (I024)

- (1) Two (2) process oil tanks (T-1 and T-2) with a capacity of 18,000 gallons each.
- (2) One (1) final product oil storage tank (T-3) with a capacity of 20,000 gallons.
- (3) Control equipment for the processing operation, which includes odor abatement system consisting of a condenser (CE1) to reduce steam and a packed tower scrubber (CE2) for odor control and emission control, exhausting through stack 1.

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

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

D.13.1 Volatile Organic Storage Vessels [40 CFR Part 60, Subpart Kb (1987 version)] [326 IAC 12] [326 IAC 1-1-3 (2004 version)]

Pursuant to 326 IAC 1-1-3 (2004 version), 326 IAC 12 and 40 CFR Part 60, Subpart Kb (1987 version):

- (a) The final product oil storage tank (T-3) is subject to 40 CFR Part 60, Subpart Kb because the maximum capacity of the tank is greater than 40 m³ and is used to store volatile organic liquids for which construction, reconstruction, or modification commenced after July 23, 1984.

Pursuant to this rule, the Permittee must maintain records as required by 40 CFR Part 60.116b(a) and 60.116b(b).

- (b) The final product oil storage tank (T-3) is exempt from the General Provisions (Part 60, Subpart A) and from the provisions of subpart Kb, except as specified in 40 CFR Part 60.116b(a) and 60.116b(b), because the tank has a capacity less than 75 m³ storing liquid.

These requirements are incorporated by reference per 326 IAC 1-1-3 (2004 version), which referenced the 40 CFR Part 60 July 1, 2002 edition, and no longer federally enforceable.

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

D.13.2 Record Keeping Requirements

Pursuant to 40 CFR Part 60.116b (1987 version), 326 IAC 1-1-3 (2004 version) and 326 IAC 12:

- (a) The owner or operator shall keep copies of all records required by 40 CFR Part 60.116b (a), except for the record required by 40 CFR Part 60.116b (b), for at least 2 years. The record required by 40 CFR Part 60.116b(b) will be kept for the life of the source.
- (b) The owner or operator of each storage vessel as specified in 40 CFR Part 60.110b(a)

shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Each storage vessel with a design capacity less than 75 m³ is subject to no provision of this subpart other than those required by 40 CFR Part 60.110b(a).

These requirements are incorporated by reference per 326 IAC 1-1-3 (2004 version), which referenced the 40 CFR Part 60 July 1, 2002 edition, and no longer federally enforceable.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: US Steel-Midwest Plant
Source Address: U.S. Route 12, Portage, Indiana 46368
Mailing Address: U.S. Route 12, Portage, Indiana 46368
Part 70 Permit No.: T127-7403-00009

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:

Telephone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-5674 Fax: 317-233-5967**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: US Steel-Midwest Plant
Source Address: U.S. Route 12, Portage, Indiana 46368
Mailing Address: U.S. Route 12, Portage, Indiana 46368
Part 70 Permit No.: T127-7403-00009

This form consists of 2 pages

Page 1 of 2

This is an emergency as defined in 326 IAC 2-7-1(12)

- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), 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:

Page 2 of 2 of EMERGENCY OCCURRENCE REPORT

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

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:
Telephone:

A certification is not required for this report.

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

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

Source Name: US Steel-Midwest Plant
Source Address: U.S. Route 12, Portage, Indiana 46368
Mailing Address: U.S. Route 12, Portage, Indiana 46368
Part 70 Permit No.: T127-7403-00009

Months: ____ to ____ Year: _____

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

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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:
Telephone:

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Quality**

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

Source Description and Location
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Source Name:	US Steel – Midwest Plant
Source Location:	6300 U.S. Highway 12, Portage, IN 46368
County:	Porter
SIC Code:	3316
Operation Permit No.:	T 127-7403-00009
Operation Permit Issuance Date:	June 6, 2004
Minor Permit Modification No.:	127-22561-00009
Permit Reviewer:	Madhurima D. Moulik

Source Definition

US Steel-Midwest Plant consists of a source with on-site contractors:

- (a) US Steel-Midwest Plant, the primary operation, is located at U.S. Highway 12, Portage, Indiana 46368; and
- (b) American Iron Oxide Company (AMROX), the on-site contractor (an acid regeneration facility) is located at U.S. Highway 12, Portage, Indiana 46368.
- (c) Portside Energy, the on-site contractor (a Cogeneration facility), is located at U.S. Highway 12, Portage, Indiana 46368
- (d) Oil Technology, Inc, the on-site contractor (a used oil recycling facility), is located at U.S. Highway 12, Portage, Indiana 46368

IDEM has determined that US Steel-Midwest Plant and American Iron Oxide Company are not under the common control of US Steel-Midwest Plant and have different SIC. US Steel-Midwest Plant provides less than 50% of AMROX's capacity for spent pickle liquor recycling, purchases no iron oxide and receives less than 50% of the regenerated HCl from AMROX. These two plants are considered separate major sources. Therefore, the term "source" in the Part 70 documents refers to US Steel-Midwest Plant only. American Iron Oxide Company will obtain their own Part 70 permit (T127-14756-00085).

IDEM has determined that US Steel-Midwest Plant and Portside Energy Company are not under the common control of US Steel-Midwest Plant and have different SIC. These two plants are considered separate major sources. Therefore, the term "source" in the Part 70 documents refers to US Steel-Midwest Plant. Portside Energy has obtained their own Part 70 permit (127-10138-00067) issued on April 17, 2003.

IDEM has determined that US Steel-Midwest Plant and Oil Technology, Inc. are under the common control of US Steel-Midwest Plant. These two plants are considered one source due to contractual control. Therefore, the term "source" in the Part 70 documents refers to both US Steel-Midwest Plant and Oil Technology, Inc. as one source. One combined Part 70 permit will be issued to US Steel-Midwest Plant and Oil Technology, Inc.

Existing Approvals

The source was issued Part 70 Operating Permit No. T127-7403-00009 on June 6, 2004. The source has since received the following approvals:

- (a) Significant Permit Modification No.: 127-20158-00009, issued on January 6, 2005; and
- (b) Significant Permit Modification No.: 127-19605-00009, issued on June 29, 2005.

County Attainment Status

The source is located in Porter County.

Pollutant	Status
PM10	Unclassifiable
PM2.5	Nonattainment
SO ₂	Unclassifiable
NO ₂	Attainment
1-hour Ozone	Severe Nonattainment
8-hour Ozone	Moderate Nonattainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone.
 - (1) On January 26, 1996 in 40 CFR 52.777(i), the U.S. EPA granted a waiver of the requirements of Section 182(f) of the CAA for Lake and Porter Counties, including the lower NOx threshold for nonattainment new source review. Therefore, VOC emissions alone are considered when evaluating the rule applicability relating to the 1-hour ozone standard. Porter County has been designated as severe nonattainment in Indiana for the 1-hour ozone standard. Therefore, VOC emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
 - (2) VOC and NOx emissions are considered when evaluating the rule applicability relating to the 8-hour ozone standard. Porter County has been designated as moderate nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (b) U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Porter County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of Emission Offset, 326 IAC 2-3.
- (c) Porter County has been classified as attainment or unclassifiable for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Since this source is classified as a secondary metal production plant, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (e) Fugitive Emissions
Since this type of operation is in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

Permit Level Determination – PSD or Emission Offset

The modifications included in this project will result in an increase of the projected actual regulated air pollutants from the No. 2 Galvanizing line due to a projected increase in the actual consumption of natural gas. The 24 month baseline period for natural gas consumption was between September 1998 and August 2000.

The Actual to Projected Actual (ATPA) increase in emissions due to this modification, as submitted by the source, are as follows:

<u>Pollutant</u>	<u>ATPA (tons per year)</u>
CO	4.50
SO ₂	0.032
PM	0.305
PM-10	0.102
PM2.5 (surrogate PM-10)	0.102
VOC	0.295
NO _x	27.431
Pb	Negligible

Based on the Actual to Projected Actual test in 326 IAC 2-2-2 and 2-3-2, as submitted by the Permittee, this modification at a major stationary source will not be major for Prevention of Significant Deterioration under 326 IAC 2-2-1 and Emission Offset under 326 IAC 2-3-1. IDEM, OAQ has not reviewed this information and will not be making any determination in this regard as part of this approval. The applicant will be required to keep records and report in accordance with Source obligation in 326 IAC 2-2-8 and Applicability in 326 IAC 2-3-2.

Permit Modification Level Determination

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

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

Pollutant	PTE Before Modification (Natural Gas Burners- Galvanizing Line 2) (tons/year)	PTE After Modification (Natural Gas Burners – Galvanizing Line 2) (tons/year)	Net Difference (tons/year)
PM	1.3	1.3	0.0
PM10	5.3	5.3	0.0
SO ₂	0.3	0.3	0.0
VOC	3.7	3.7	0.0
CO	58.5	58.5	0.0
NO _x	328.9^a	328.9^a	0.0
HAPs	Negligible	Negligible	0.0

^a Based on a maximum natural gas consumption (based on rated capacity) of 1395 MMCF/yr, and NO_x limits of 0.512 lb/MMBtu for Stack 20, and 0.388 lb/MMBtu for Stack 20a, as explained below.

The NO_x emissions from the No. 2 Galvanizing Line are limited in the Part 70 permit as follows:

Stack 20: 0.512 lb/MMBtu (for 149 burners at 0.375 MMBtu/hr each + 60 burners at 0.74 MMBtu/hr each)

Stack 20a: 0.388 lb/MMBtu (for 69 burners at 0.75 MMBtu/hr each)

The total heat capacity of burners exhausting through Stack 20 = 107.65 MMBtu/hr

The total heat capacity of burners exhausting through Stack 20a = 51.75 MMBtu/hr

Therefore, NO_x limit (Stack 20) = 55.1 lb/hr = 241 tpy

NO_x limit (Stack 20a) = 20.1 lb/hr = 87.9 tpy

Total NO_x limit (Stacks 20 and 20a) = **328.9 tpy**

The projected total annual natural gas consumption at all the burners is 876 MMCF/yr, with NO_x emissions of 224 tons per year (submitted by source), which is below the limit specified in the Part 70 permit.

The potential to emit of all regulated pollutants as a result of this permit modification remain unchanged, since the actual increase in natural gas combustion, and the increase in throughput through the Galvanizing Line No. 2 is not going to affect the potential to emit of any regulated pollutants. The NO_x emission limits already included in the Part 70 permit shall remain unchanged. Therefore, a Minor Source Modification as defined in 326 IAC 2-7-10.5 is not necessary.

The increase in throughput capacity of the Galvanizing Line No. 2 affects Condition D.2.1-Particulate Matter (PM) limit under 326 IAC 6-3-2. Since Condition D.2.1 has to be modified for the increase in throughput, a Minor Permit Modification will be issued under 326 IAC 2-7-12(b).

Federal Rule Applicability Determination

The federal rule applicabilities for this source and all emission units remain unchanged as a result of this modification.

State Rule Applicability Determination

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

The throughput capacity of the Galvanizing Line No. 2 will increase from 51.4 tons per hour to 65.6 tons per hour as a result of this modification.

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

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the Galvanizing Line No. 2 shall not exceed 47.1 pounds per hour when operating at a process weight rate of 65.6 tons per hour.

All other state rule applicabilities shall remain unchanged as a result of this modification.

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.

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

The compliance determination requirements remain unchanged as a result of this modification.

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

The compliance monitoring requirements remain unchanged as a result of this modification.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T 127-7403-00009. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

1. U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Porter County as nonattainment for PM2.5. Condition A.1 has been modified as follows:

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

The Permittee owns and operates a stationary steel finishing facility.

Responsible Official:	Plant Manager
Source Address:	U.S. Route 12, Portage, Indiana 46368
Mailing Address:	U.S. Route 12, Portage, Indiana 46368
General Source Phone Number:	(219) 763-5869
SIC Code:	3316
County Location:	Porter
Source Location Status:	Nonattainment for 1-hour ozone and 8-hour ozone standard and PM2.5 standard Unclassifiable for PM10 and SO2 Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program (326 IAC 2-7-2) Major Source, under PSD and Emission Offset (326 IAC 2-2 and 326 IAC 2-3) 1 of 28 Source Categories (326 IAC 2-2)

2. Condition A.3 has been modified as follows:

A.3 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) No. 1 Galvanizing Line (Also known as 48" Galvanizing Line) (Installed in 1960), with a capacity rate of 28.5 net tons of steel coated per hour and 50.3 MMBtu/hr heat input, consisting of the following:

- (1) Pre-melt kettle fired by natural gas exhausting through roof monitor.
 - (2) Alkaline Electrolytic Cleaning Section (I020) with a fume washer and exhausting through stack S008.
 - (3) Annealing Furnace Section (U005) fired by natural gas and exhausting through stack S023.
 - (4) Hot Dip Galvanize Coating Section.
 - (5) Chemical Treatment Section.
 - (6) Post Anneal Furnace fired with natural gas and exhausting through stack S023a.
 - (7) Roll Rig fired by natural gas exhausting through roof monitor.
- (b) No. 2 Galvanizing Line (Also known as 72" Galvanizing Line) (Installed in 1970 and modified 1997), with a capacity rate of ~~54.4~~ **65.6** net tons per hour of steel, consisting of the following:
- (1) Pre-melt kettle fired by natural gas and exhausting through roof monitor.
 - (2) Alkaline Electrolytic Cleaning Section consisting of an electrolytic cleaning tank, a scrubber tank and a hot water rinse tank (U006a) with a fume washer (C006) and exhausting through stack S009.
 - (3) Annealing Furnace Section (U006b).
 - (A) 149 natural gas burners, each with a rated capacity of 0.375 MMBtu per hour in furnace zones 1-5, exhausting through stack S-20.
 - (B) sixty-nine (69) natural gas burners, each with a rated capacity of 0.75 MMBtu per hour in furnace zones 6-9 and exhausting through stack S-20.
 - (C) sixty-nine (69) natural gas burners, each with a rated capacity of 0.75 MMBtu per hour in furnace zones 10-13 and exhausting through stack S-20a.
 - (4) Hot Dip Galvanize Coating Section.
 - (5) Chemical Treatment Section.
 - (6) Two (2) strip dryers, #1 and #2 with a rated capacity of 3.0 MMBtu per hour each fired by natural gas.
 - (7) One (1) roll rig with a rated capacity of 3.0 MMBtu per hour fired by natural gas and exhausting through a roof monitor.
 - (8) Drying oven fired by natural gas and rated at 7.8 MMBtu per hour exhausting through roof monitor.

3. The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. Condition C.1 has been revised to remove (a) which contained these requirements. Since the requirements of the 326 IAC 6-3-2(d) that were effective June 12, 2002 are now federally enforceable, the last statements from C.1 have been removed. The corresponding D section conditions have been updated.

Condition D.2.1 has also been modified to reflect the increase in the PM emission limit based on the increase in the throughput capacity of the Galvanizing Line No. 2.

- C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour ~~[40 CFR Part 52 Subpart P]~~ [326 IAC 6-3-2]
-
- (a) ~~Pursuant to 40 CFR Part 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.~~
- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. ~~This condition is not federally enforceable.~~

- D.1.1 Particulate Matter (PM) ~~[40 CFR Part 52 Subpart P]~~ [326 IAC 6-3-2]
-

Pursuant to ~~40 CFR Part 52 Subpart P~~ and 326 IAC 6-3-2, the PM from the No.1 Galvanizing line shall not exceed the pounds per hour emission rate established as “E” in the following equation:

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

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

At a process weight rate of 28.5 tons per hour for the No. 1 Galvanizing line, the allowable PM emission rate shall not exceed 38.7 pounds per hour.

D.2.1 Particulate Matter (PM) [~~40 CFR Part 52 Subpart P~~] [326 IAC 6-3-2]

Pursuant to ~~40 CFR Part 52 Subpart P~~ and 326 IAC 6-3-2, the PM from the No. 2 Galvanizing Line shall not exceed the pounds per hour emission rate established as “E” in the following equation:

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:

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

At a process weight rate of ~~51.4~~ **65.6** tons per hour for the No. 2 Galvanizing line, the allowable PM emission rate shall not exceed ~~44.8~~ **47.1** pounds per hour.

D.3.1 Particulate Matter (PM) [~~40 CFR Part 52 Subpart P~~] [326 IAC 6-3-2]

Pursuant to ~~40 CFR Part 52 Subpart P~~ and 326 IAC 6-3-2, the PM from the Continuous Anneal Line shall not exceed the pounds per hour emission rate established as “E” in the following equation:

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:

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

At a process weight rate of 46.2 tons per hour for the Continuous Anneal Line, the allowable PM emission rate shall not exceed 43.8 pounds per hour.

D.4.1 Particulate Matter (PM) [~~40 CFR Part 52 Subpart P~~] [326 IAC 6-3-2]

Pursuant to ~~40 CFR Part 52 Subpart P~~ and 326 IAC 6-3-2, the PM from the Batch Annealing Furnaces shall not exceed the pounds per hour emission rate established as “E” in the following equation:

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:

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

At a process weight rate of 125.6 tons per hour for the Batch Annealing Furnaces, the allowable PM emission rate shall not exceed 53.6 pounds per hour.

D.5.5 Particulate Matter (PM) [~~40 CFR Part 52 Subpart P~~] [326 IAC 6-3-2]

Pursuant to ~~40 CFR Part 52 Subpart P~~ and 326 IAC 6-3-2, the PM from the Pickle Line shall not exceed the pounds per hour emission rate established as “E” in the following equation:

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:

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

At a process weight rate of 165.5 tons per hour for the Pickle Line allowable PM emission rate shall not exceed 56.5 pounds per hour.

D.6.1 Particulate Matter (PM) [40 CFR Part 52 Subpart P] [326 IAC 6-3-2]

Pursuant to ~~40 CFR Part 52 Subpart P~~ and 326 IAC 6-3-2, the PM from the 80" Tandem Mill and 52" Tandem Mill shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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:

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

(a) At a process weight rate of 131.3 tons per hour for the 80" Tandem Mill, the allowable PM emission rate shall not exceed 54.0 pounds per hour.

(b) At a process weight rate of 73.6 tons per hour for the 52" Tandem Mill, the allowable PM emission rate shall not exceed 48.2 pounds per hour.

D.7.3 Particulate Matter (PM) [40 CFR Part 52 Subpart P] [326 IAC 6-3-2]

Pursuant to ~~40 CFR Part 52 Subpart P~~ and 326 IAC 6-3-2, the PM from the No.3 Galvanizing Line shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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:

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

At a process weight rate of 50 tons per hour for the No.3 Galvanizing Line, the allowable PM emission rate shall not exceed 44.6 pounds per hour.

D.8.1 Particulate Matter (PM) [40 CFR Part 52 Subpart P] [326 IAC 6-3-2]

Pursuant to ~~40 CFR Part 52 Subpart P~~ and 326 IAC 6-3-2, the PM from the Electrolytic Cleaning Line shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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:

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

At a process weight rate of 43.4 tons per hour for the Electrolytic Cleaning Line, the allowable PM emission rate shall not exceed 43.3 pounds per hour.

D.9.1 Particulate Matter (PM) [40 CFR Part 52 Subpart P] [326 IAC 6-3-2]

Pursuant to ~~40 CFR Part 52 Subpart P~~ and 326 IAC 6-3-2, the PM from the Chrome Electroplate line shall not exceed the pounds per hour emission rate established as "E" in the following equation:

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:

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

At a process weight rate of 31.4 tons per hour for the Chrome Electroplate line, the allowable PM emission rate shall not exceed 40.4 pounds per hour.

~~D.10.1 Particulate Matter (PM) [40 CFR Part 52 Subpart P] [326 IAC 6-3-2]~~

~~Pursuant to 40 CFR Part 52 Subpart P and 326 IAC 6-3-2, the PM from the Temper Mills shall not exceed the pounds per hour emission rate established as “E” in the following equation:~~

~~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:~~

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

- ~~(a) At a process weight rate of 39.4 tons per hour for the No. 1 Tin Temper Mill, the allowable PM emission rate shall not exceed 42.4 pounds per hour.~~
- ~~(b) At a process weight rate of 70.8 tons per hour for the No. 2 Tin Temper Mill, the allowable PM emission rate shall not exceed 47.9 pounds per hour.~~
- ~~(c) At a process weight rate of 125.6 tons per hour for the Sheet Temper Mill, the allowable PM emission rate shall not exceed 53.6 pounds per hour.~~

~~D.11.1 Particulate Matter (PM) [40 CFR Part 52 Subpart P] [326 IAC 6-3-2]~~

~~Pursuant to 40 CFR Part 52 Subpart P and 326 IAC 6-3-2, the PM from the Tin Electroplate line shall not exceed the pounds per hour emission rate established as “E” in the following equation:~~

~~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:~~

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

At a process weight rate of 38.2 tons per hour for the Tin Electroplate line, the allowable PM emission rate shall not exceed 42.1 pounds per hour.

~~D.12.1 Particulate Matter (PM) [40 CFR Part 52 Subpart P] [326 IAC 6-3-2]~~

~~Pursuant to 40 CFR Part 52 Subpart P and 326 IAC 6-3-2, the PM from the above cited processes shall not exceed the pounds per hour emission rate established as “E” in the following equation:~~

~~Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:~~

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

- 4. The Section C – General Recordkeeping and Reporting conditions have been modified to include the Actual to Projected Actual provisions in the New Source Review (NSR) reform of 2002, applicable to all major sources under 326 IAC 2-2 - Prevention of Significant Deterioration (PSD), and 326 IAC 2-3 - Emission Offset (EO) rules.

~~C.20 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]~~

- ~~(a) Records of all required monitoring data, reports and support information required by this permit~~

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

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

C.20 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
- (c) If there is a reasonable possibility that a “project” (as defined in 326 IAC 2-2-1 (qq) and 326 IAC 2-3-1 (ll)) at an existing emissions unit, other than projects at a Clean Unit, or at a source with Plant-wide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1 (ee) and 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 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 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 326 IAC 2-3-1(mm)(2)(A)(3); 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.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]~~

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

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

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

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

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

~~(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.~~

C.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

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

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

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

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

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

- (e) **The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.**
- (f) **If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1 (qq) and 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 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 326 IAC 2-3-2(c)(3).**
 - (4) **Any other information that the Permittee deems fit to include in this report,**
- Reports required in this part shall be submitted to:**
- Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251**
- (h) **The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.**
5. **The facility description in Section D.2 is modified as follows:**

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

- (b) No. 2 Galvanizing Line (Also known as 72" Galvanizing Line) (Installed in 1970 and modified 1997), with a capacity rate of ~~51.4~~ **65.6** net tons per hour of steel, consisting of the following:
 - (1) Pre-melt kettle fired by natural gas and exhausting through roof monitor.
 - (2) Alkaline Electrolytic Cleaning Section consisting of an electrolytic cleaning tank, a scrubber tank and a hot water rinse tank (U006a) with a fume washer (C006) and exhausting through stack S009.
 - (3) Annealing Furnace Section (U006b).
 - (A) 149 natural gas burners, each with a rated capacity of 0.375 MMBtu per hour in furnace zones 1-5, exhausting through stack S-20.
 - (B) sixty-nine (69) natural gas burners, each with a rated capacity of 0.75 MMBtu per hour in furnace zones 6-9 and exhausting through stack S-20.
 - (C) sixty-nine (69) natural gas burners, each with a rated capacity of 0.75 MMBtu per hour in furnace zones 10-13 and exhausting through stack S-20a.
 - (4) Hot Dip Galvanize Coating Section.
 - (5) Chemical Treatment Section.
 - (6) Two (2) strip dryers, #1 and #2 with a rated capacity of 3.0 MMBtu per hour each fired by natural gas.
 - (7) One (1) roll rig with a rated capacity of 3.0 MMBtu per hour fired by natural gas and exhausting through a roof monitor.
 - (8) Drying oven fired by natural gas and rated at 7.8 MMBtu per hour exhausting through roof monitor.

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

6. The address for the Office of Air Quality has been updated as follows:

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue, ~~P. O. Box 6015~~
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Conclusion and Recommendation

The operation of this source shall be subject to the conditions of the attached proposed Part 70 Minor Permit Modification No. 127-22561-00009. The staff recommend to the Commissioner that this Part 70 Minor Permit Modification be approved.