



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: April 5, 2012

RE: Ford Meter Box Company / 169-31626-00003

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot12/3/07



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Mr. John Flesher
The Ford Meter Box Co., Inc.
775 Manchester Avenue
Wabash, IN 46992

April 6, 2012

Re: 169-31626-00003
First Administrative Amendment to
Part 70 Renewal No.: T 169-25077-00003

Dear Mr. John Flesher:

The Ford Meter Box Co., Inc. was issued a Part 70 Operating Permit Renewal on December 8, 2009 for a captive brass foundry located at 775 Manchester Avenue, Wabash, in Indiana. A letter requesting changes to this permit was received on March 19, 2012. The source requested that the permit be updated to add an additional 0.625 MMBtu/hr drying oven. Pursuant to 326 IAC 2-7-11(a)(8), this change to the permit qualifies as an administrative permit amendment, since it is a revision that incorporates an insignificant activity.

Pursuant to the provisions of 326 IAC 2-7-11, the permit is hereby administratively amended as follows with deleted language as ~~strikeouts~~ and new language **bolded**:

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

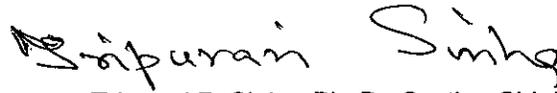
This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (c) ~~Two (2)~~ **Three (3)** natural gas-fired chip dryers, each with a maximum heat input of 0.625 million British Thermal Units per hour, each with a maximum throughput of 50 pounds of volatiles per hour, and each equipped (as integral part of the equipment as determined in F169-5469-00003, issued on December 13, 1996) with a 0.425 million British Thermal Units per hour thermal oxidizer, exhausting to Stack "TT", ~~and Stack "VV", and Stack "32"~~ respectively;

All other conditions of the permit shall remain unchanged and in effect.

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 Heath Hartley, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Heath Hartley or extension (2-8217), or dial (317) 232-8217.

Sincerely,



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

Attachments:
Updated Permit
PTE Calculations

hh

cc: File – Wabash County
Wabash County Health Department
U.S. EPA, Region V
Air Compliance Inspector

Mr. Steve Ford
The Ford Meter Box Co., Inc.
775 Manchester Avenue
Wabash, IN 46992



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**Part 70 Operating Permit
OFFICE OF AIR QUALITY**

**Ford Meter Box Company, Inc.
775 Manchester Drive
Wabash, Indiana 46992**

(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.: T169-25077-00003	
Issued by: Donald F. Robin, P.E., Section Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date: December 8, 2014

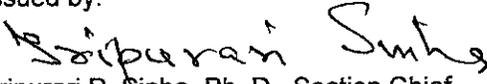
Administrative Amendment No.: T169-31626-00003	
Issued by:  Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: April 5, 2012 Expiration Date: December 8, 2014

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Certification
Emergency Occurrence Report
Part 70 Semiannual Report
Quarterly Deviation and Compliance Monitoring Report

Attachment A: 40 CFR 63, Subpart ZZZZZZ—National Emission Standards for Hazardous Air Pollutants:
Area Source Standards for Aluminum, Copper, and Other Nonferrous Foundries

SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary captive brass foundry.

Source Address:	775 Manchester Drive, Wabash, Indiana 46992
Mailing Address:	PO Box 398, 775 Manchester Ave., Wabash, Indiana 46992-0398
General Source Phone Number:	260-269-3578
SIC Code:	3366, 3362
County Location:	Wabash
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

Charging, Melting, and Pouring/Cooling:

- (a) Unit #23, consisting of:
- (1) Six (6) 5-ton each electric channel induction furnaces, two (2) constructed in 1970, one (1) constructed in 1973, two (2) constructed in 1975, one (1) constructed in 2004, each with a 1.25 tons per hour melt capacity;
 - (2) One (1) box induction furnace, constructed in 1996, with a 0.695 ton per hour melt capacity;
 - (3) One (1) crucible induction furnace, constructed in 1993, with a 0.53 ton per hour melt capacity; and
 - (4) Pouring/Casting operations associated with seven (7) molding lines, identified as #1 Handline, #1 Harrison, #2 Harrison, #1 Sinto, #2 Sinto, #3 Sinto, and #4 Sinto, constructed in 1971, 1970, 1988, 1997, 1998, 2000, and 2004, respectively.

Due to power supply limitations the box induction furnace and crucible induction furnace cannot operate simultaneously. The total maximum melt capacity is 8.195 tons per hour. Metallic fume emissions from melting and pouring, including transfer points, controlled by nine (9) baghouse modules, identified as "UU" with a common inlet but nine (9) individual stack discharges.

Shakeout, Sand Handling, Mold Making, and Core Making:

- (b) Shakeout and Sand Handling from:
 - (1) Unit #6, including the #1 Handline and Harrison sand tanks plus the shakeout and conveyor operations for four (4) mold lines, identified as #1 Handline, #1 Harrison, #2 Harrison, and #4 Sinto, constructed in 1970 and modified in 2004, with a maximum combined throughput of 63 tons per hour, equipped with a baghouse which returns captured sand particulate back to the system, exhausting to Stack "H";
 - (2) Unit #20 sand system and shakeout, for three (3) mold lines, identified as #1 Sinto, #2 Sinto, and #3 Sinto, constructed in 1973 and modified in 1997, with a maximum combined throughput of 45 tons per hour, equipped with a baghouse which returns the captured sand particulate back to the system, exhausting to Stack "KK";
- (c) One (1) sand treatment and brass reclaim operations, identified as Unit #13, constructed in 1980, with a maximum throughput of 15 tons per hour, controlled by Baghouse "T"; and
- (d) Corerom ventilation, identified as Unit #19, constructed in 1970 and revised in 1991, for a maximum facility melt throughput of 8.195 tons per hour, including ventilation of thirteen (13) natural gas-fired core making units with a total maximum heat input capacity of 2.464 million British Thermal Units per hour, and a sand throughput of 2.068 tons per hour.

Machining, Grinding, and Finishing:

- (e) One (1) Iron Room, identified as Unit #5, constructed in 1973, for cast iron grinding, boring and tapping operations, with a maximum throughput of 0.78 tons per hour, using Baghouse "G" for particulate emissions control;
- (f) One (1) Pangborn 12GN steel shot blast cleaner, identified as, Unit #11, constructed in 1978, with a maximum throughput of 2.73 tons per hour, using Baghouse "Q" for particulate emissions control;
- (g) One (1) Pangborn 6GN steel shot blast cleaner, identified as Unit #12, constructed in 1970, with a maximum throughput of 1.37 tons per hour, using Baghouse "S" for particulate emissions control;
- (h) One (1) continuous flow steel shot blast cleaner, identified as Unit #14, constructed in 1970, for removing sand and internal cores from castings, with a maximum casting throughput of 8.195 tons per hour, using Baghouse "U" for particulate emissions control;
- (i) One (1) foundry grinding and cut-off operations, identified as Unit #15, constructed in 1970, with a maximum throughput of 8.195 tons per hour, using Baghouse "V" for particulate emissions control;
- (j) Various machining, grinding, and polishing operations, identified as Unit #16, constructed in 1980, with a maximum throughput of 0.78 tons per hour, using Baghouse "W" for capturing brass chips to be recycled as well as for controlling dust emissions. The exhaust gas is vented through a drop box to reduce particulate loading and then to the baghouse;
- (k) Various machining, grinding, and polishing operations, identified as Unit #17, constructed in 1981, with a maximum throughput of 2.13 tons per hour, using Baghouse "X" for capturing brass chips to be recycled as well as for controlling dust emissions. The

exhaust gas is vented through a drop box to reduce particulate loading and then to the baghouse;

- (l) Various machining, grinding, and polishing operations, identified as Unit #18, constructed in 1980, with a maximum throughput of 0.90 tons per hour, using Baghouse "Y" for capturing steel particulate;
- (m) Various machining, grinding, and polishing operations, identified as Unit #26, constructed in 1999, with a maximum throughput of 2.13 tons per hour, using Baghouse "BC" for capturing brass chips to be recycled as well as for controlling dust emissions. The exhaust gas is vented through a drop box to reduce particulate loading and then to the baghouse;
- (n) One (1) shot blast machine, constructed in 2009, identified as Unit #29, with a maximum capacity of 2.0 tons per hour of no-lead brass castings, and using a cartridge filter for particulate control (*Note: this unit is used as an alternative to Unit #14 when no-lead brass is being processed. The combined maximum capacity of both units is 8.195 tons per hour*); and
- (o) One (1) cut-off saw, approved for constructed in 2009, identified as Unit #30, with a maximum capacity of 2.0 tons per hour of no-lead brass castings, and using a cartridge filter for particulate control (*Note: this unit is used as an alternative to Unit #15 when no-lead brass is being processed. The combined maximum capacity of both units is 8.195 tons per hour*).

Combustion Units:

- (p) One (1) 100 KW spark ignition internal combustion natural gas-fired generator, constructed in 2007, used to generate electric power, with a maximum power output rate of 134.1 horsepower, firing natural gas only, using no control and exhausting to the atmosphere; and
- (q) Two (2) diesel fuel-fired 423 maximum horsepower (2.9 million British thermal Units per hour) generators, installed in 1992.

Surface Coating Operations:

- (r) One (1) Binks Teflon spray coating booth, identified as Unit #21, installed in 1980, with a maximum rate of 121.7 units per hour, using a semi-automatic air atomization application method for coating brass balls, using paper air filters for overspray control, and exhausting to Stack "OO";
- (s) One (1) nut coating operation for coating fittings, identified as Unit #27, installed in 1996, with a maximum coating rate of 1,960 units per hour, utilizing a spin coating application system; and
- (t) One (1) paint booth for miscellaneous painting and gluing activities, using brush, roller, or aerosol spray applications, with a maximum capacity of 3.75 pounds of coating per hour, using dry filters for particulate control, constructed in 2008.

A.3 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, as defined in 326 IAC 2-7-1(21):

- (a) One (1) tool grinding operation, identified as Unit #8, vented through Baghouse "C";

- (b) Machining operations vented through Baghouse "AB";
- (c) Three (3) natural gas-fired chip dryers, each with a maximum heat input of 0.625 million British Thermal Units per hour, each with a maximum throughput of 50 pounds of volatiles per hour, and each equipped (as integral part of the equipment as determined in F169-5469-00003, issued on December 13, 1996) with a 0.425 million British Thermal Units per hour thermal oxidizer, exhausting to Stack "TT", Stack "VV" and Stack "32", respectively;
- (d) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million British Thermal Units per hour, including, but not limited to:

Two (2) natural gas fired boilers for building heating, identified as Units #1 and #2, installed in 2009, each with a maximum heat input capacity of 7.325 MMBtu/hr, and exhausting to Stack "A";
- (e) Propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six (6) million British Thermal Units per hour;
- (f) Combustion source flame safety purging on startup;
- (g) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month;
- (h) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons;
- (i) Vessels storing lubricating oils, hydraulic oils, machining oils, and coolant fluids;
- (j) Refractory storage not requiring air pollution control equipment;
- (k) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;
- (l) Machining where an aqueous cutting coolant continuously floods the machining interface;
- (m) Degreasing operations, consisting of cold cleaner degreasers with remote reservoirs that were existing as of January 1, 1980, that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6;
- (n) Cleaners and solvents with low vapor pressure and with a combined usage of less than 145 gallons per 12 months;
- (o) Brazing equipment, cutting torch, soldering equipment and welding equipment not resulting in HAP emissions;
- (p) Closed loop heating and cooling systems;
- (q) Cutting 200.00 linear feet or less of one inch (1") plate or equivalent;
- (r) Using 80 tons or less of welding consumables;
- (s) Operations using aqueous solutions with less than 1 percent of VOCs excluding HAPs;

- (t) Water-based adhesives that are less than or equal to 5 percent VOCs by volume excluding HAPs;
- (u) Quenching operations used with heat treating processes;
- (v) Replacement or repair of electrostatic precipitators, bags in baghouse and filters in other air filtration equipment;
- (w) Heat exchanger cleaning and repair;
- (x) Paved and unpaved roads and parking lots with public access;
- (y) Purging of gas lines and vessels not associated with production process;
- (z) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup;
- (aa) Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower;
- (bb) Stationary fire pumps;
- (cc) 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 4,000 actual standard cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations.
- (dd) Mold release agent using low volatile products;
- (ee) A laboratory as defined in 326 IAC 2-7-1(20)(C);
- (ff) Other activities with volatile organic compound (VOC) emissions equal to or less than 15 pounds per day, and activities with particulate matter (PM) emissions equal to or less than 25 pounds per day;
- (gg) One (1) parts washer with no VOC emissions exhausting through stack/vent "BD"; and
- (hh) One (1) powder coating booth, used for epoxy coating, with a maximum capacity of eighteen (18) units per hour, using an integral cartridge filter for particulate capture and reuse, constructed in 1993 [326 IAC 6-3-2].

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

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

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

SECTION B GENERAL CONDITIONS

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

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

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

- (a) This permit, T169-25077-00003, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

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

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

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

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

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

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

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

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

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

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

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

and

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

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

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

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

- (a) 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 or ninety (90) days after initial start-up, whichever is later, 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
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) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

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

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

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may

require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report. Any emergencies that have been previously reported pursuant to paragraph (b)(5) of this condition and certified by a "responsible official" need only referenced by the date of the original report.

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

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

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

- (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
- (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

- (a) All terms and conditions of permits established prior to T169-25077-00003 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit.

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

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

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

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

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

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

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

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

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

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

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

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

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

- (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

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

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

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

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

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

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

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

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:
 - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

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

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

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

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

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

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

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

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

- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

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

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

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

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

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

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of

326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

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

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed 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 Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

C.8 Performance Testing [326 IAC 3-6]

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later. 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60, Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

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

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
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.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

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

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

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
 - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

- (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 or ninety (90) days of initial start-up, whichever is later.

C.19 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, 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.

Stratospheric Ozone Protection

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

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

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

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- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Charging, Melting, and Pouring/Cooling:

(a) Unit #23, consisting of:

- (1) Six (6) 5-ton each electric channel induction furnaces, two (2) constructed in 1970, one (1) constructed in 1973, two (2) constructed in 1975, one (1) constructed in 2004, each with a 1.25 tons per hour melt capacity;
- (2) One (1) box induction furnace, constructed in 1996, with a 0.695 ton per hour melt capacity;
- (3) One (1) crucible induction furnace, constructed in 1993, with a 0.53 ton per hour melt capacity; and
- (4) Pouring/Casting operations associated with seven (7) molding lines, identified as #1 Handline, #1 Harrison, #2 Harrison, #1 Sinto, #2 Sinto, #3 Sinto, and #4 Sinto, constructed in 1971, 1970, 1988, 1997, 1998, 2000, and 2004, respectively.

Due to power supply limitations the box induction furnace and crucible induction furnace cannot operate simultaneously. The total maximum melt capacity is 8.195 tons per hour. Metallic fume emissions from melting and pouring, including transfer points, controlled by nine (9) baghouse modules, identified as "UU" with a common inlet but nine (9) individual stack discharges.

Shakeout, Sand Handling, Mold Making, and Core Making:

(b) Shakeout and Sand Handling from:

- (1) Unit #6, including the #1 Handline and Harrison sand tanks plus the shakeout and conveyor operations for four (4) mold lines, identified as #1 Handline, #1 Harrison, #2 Harrison, and #4 Sinto, constructed in 1971 and modified in 2004, with a maximum combined throughput of 63 tons per hour, equipped with a baghouse which returns captured sand particulate back to the system, exhausting to Stack "H";
 - (2) Unit #20 sand system and shakeout, for three (3) mold lines, identified as #1 Sinto, #2 Sinto, and #3 Sinto, constructed in 1973 and modified in 1997, with a maximum combined throughput of 45 tons per hour, equipped with a baghouse which returns the captured sand particulate back to the system, exhausting to Stack "KK";
- (c) One (1) sand treatment and brass reclaim operations, identified as Unit #13, constructed in 1980, with a maximum throughput of 15 tons per hour, controlled by Baghouse "T"; and
- (d) Coreroom ventilation, identified as Unit #19, constructed in 1970 and modified in 1991, for a maximum facility melt throughput of 8.195 tons per hour, including ventilation of thirteen (13) natural gas-fired core making units with a total maximum heat input capacity of 2.464 million British Thermal Units per hour, and a sand throughput of 2.068 tons per hour.

Machining, Grinding, and Finishing:

- (e) One (1) Iron Room, identified as Unit #5, constructed in 1973, for cast iron grinding, boring and tapping operations, with a maximum throughput of 0.78 tons per hour, using Baghouse "G" for particulate emissions control;
- (f) One (1) Pangborn 12GN steel shot blast cleaner, identified as, Unit #11, constructed in 1978, with a maximum throughput of 2.73 tons per hour, using Baghouse "Q" for particulate emissions control;
- (g) One (1) Pangborn 6GN steel shot blast cleaner, identified as Unit #12, constructed in 1970, with a maximum throughput of 1.37 tons per hour, using Baghouse "S" for particulate emissions control;
- (h) One (1) continuous flow steel shot blast cleaner, identified as Unit #14, constructed in 1970, for removing sand and internal cores from castings, with a maximum casting throughput of 8.195 tons per hour, using Baghouse "U" for particulate emissions control;
- (i) One (1) foundry grinding and cut-off operations, identified as Unit #15, constructed in 1970, with a maximum throughput of 8.195 tons per hour, using Baghouse "V" for particulate emissions control;
- (j) Various machining, grinding, and polishing operations, identified as Unit #16, constructed in 1980, with a maximum throughput of 0.78 tons per hour, using Baghouse "W" for capturing brass chips to be recycled as well as for controlling dust emissions. The exhaust gas is vented through a drop box to reduce particulate loading and then to the baghouse;
- (k) Various machining, grinding, and polishing operations, identified as Unit #17, constructed in 1981, with a maximum throughput of 2.13 tons per hour, using Baghouse "X" for capturing brass chips to be recycled as well as for controlling dust emissions. The exhaust gas is vented through a drop box to reduce particulate loading and then to the baghouse;
- (l) Various machining, grinding, and polishing operations, identified as Unit #18, with a maximum throughput of 0.90 tons per hour, using Baghouse "Y" for capturing steel particulate;
- (m) Various machining, grinding, and polishing operations, identified as Unit #26, constructed in 1999, with a maximum throughput of 2.13 tons per hour, using Baghouse "BC" for capturing brass chips to be recycled as well as for controlling dust emissions. The exhaust gas is vented through a drop box to reduce particulate loading and then to the baghouse;
- (n) One (1) shot blast machine, constructed in 2009, identified as Unit #29, with a maximum capacity of 2.0 tons per hour of no-lead brass castings, and using a cartridge filter for particulate control [326 IAC 6-3-2] (*Note: this unit is used as an alternative to Unit #14 when no-lead brass is being processed. The combined maximum capacity of both units is 8.195 tons per hour*); and
- (o) One (1) cut-off saw, constructed in 2009, identified as Unit #30, with a maximum capacity of 2.0 tons per hour of no-lead brass castings, and using a cartridge filter for particulate control [326 IAC 6-3-2] (*Note: this unit is used as an alternative to Unit #15 when no-lead brass is being processed. The combined maximum capacity of both units is 8.195 tons per hour*).

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

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

D.1.1 Secondary Metal Production [326 IAC 2-2]

Each of the furnaces, identified as part of Unit #23, shall melt only clean charge, customer returns, or internal scrap. Violation of this condition would cause the source to be considered a secondary metal production facility for purposes of 326 IAC 2-2, Prevention of Significant Deterioration.

Compliance with the above condition, combined with Condition D.1.2 shall render 326 IAC 2-2 (PSD) not applicable.

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

In order to make the requirements of 326 IAC 2-2 (PSD) not applicable, the PM and PM₁₀ emissions from Units #5, #6, #11-#18, #20, #23, #26, #29, and #30 shall not exceed the emissions limits listed in the table below:

Emissions Unit	PM Emission Limit (lb/hr)	PM ₁₀ Emission Limit (lb/hr)
Unit #23: Furnace Charging, Melting and Pouring	5.71	5.71
Unit #6: #1 Handline and Harrison Sand Tanks and Shakeout and Conveyor Operations for #1 Handline, #1 Harrison, #2 Harrison, #4 Sinto Mold Lines	3.42	3.42
Unit #20: Shakeout and Sand Handling for #1, #2, #3 Sintos	3.42	3.42
Unit #13: Sand Treatment and Brass Reclaim Operations	2.28	2.28
Unit #5: Iron Room	0.46	0.46
Unit #11: Shot Blasting	1.14	1.14
Unit #12: Shot Blasting	0.46	0.46
Unit #14: Shot Blasting	3.42	3.42
Unit #15: Grinding and Cut-Off	3.42	3.42
Unit #16: Machining, Grinding, and Polishing	0.68	0.68
Unit #17: Machining, Grinding, and Polishing	2.28	2.28
Unit #18: Machining, Grinding, and Polishing	0.68	0.68
Unit #26: Machining, Grinding, and Polishing	2.28	2.28
Unit #29: Shot blast machine	1.14	1.14
Unit #30: Cut-off saw	1.14	1.14

Compliance with the above limits, combined with Condition D.1.1 and the potential to emit PM and PM₁₀ from other emission units at the source, shall limit the PM and PM₁₀ from the entire source to less than 250 tons per twelve (12) consecutive month period each and render 326 IAC 2-2 not applicable.

D.1.3 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rates from Units #5, #6, #11-#20, #23, #26, #29, and #30 shall not exceed the pounds per hour emission limitations when operating at maximum process weight rates as specified in the table below:

Emissions Unit	Process Weight Rate (ton/hr)	326 IAC 6-3-2 Allowable Particulate Emission Limit (lb/hr)
Unit #23: Furnace Charging, Melting and Pouring	8.195	16.78
Unit #6: #1 Handline and Harrison Sand Tanks and Shakeout and Conveyor Operations for #1 Handline, #1 Harrison, #2 Harrison, #4 Sinto Mold Lines	67.10	47.36
Unit #20: Shakeout and Sand Handling for #1, #2, #3 Sintos	49.10	44.41
Unit #13: Sand Treatment and Brass Reclaim Operations	15.00	25.16
Unit #19: Coreroom Ventilation	10.263	19.51
Unit #5: Iron Room	0.78	3.47
Unit #11: Shot Blasting	2.73	8.04
Unit #12: Shot Blasting	1.37	5.06
Unit #14: Shot Blasting	8.195	16.78
Unit #15: Grinding and Cut-Off	8.195	16.78
Unit #16: Machining, Grinding, and Polishing	0.78	3.47
Unit #17: Machining, Grinding, and Polishing	2.13	6.80
Unit #18: Machining, Grinding, and Polishing	0.90	3.82
Unit #26: Machining, Grinding, and Polishing	2.13	6.80
Unit #29: Shot blast machine	2.00	6.52
Unit #30: Cut-off saw	2.00	6.52

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

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

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

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

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

D.1.4 Hazardous Air Pollutants (Lead) [326 IAC 2-4.1] [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-4.1 and 326 IAC 2-2 not applicable, the lead emissions from Units #5, #6, #11-#18, #20, #23, #26, #29, and #30 shall not exceed the emissions limits listed in the table below:

Emissions Unit	Lead Emission Limit (lb/hr)
Unit #23: Furnace Charging, Melting and Pouring	0.548
Unit #6: #1 Handline and Harrison Sand Tanks and Shakeout and Conveyor Operations for #1 Handline, #1 Harrison, #2 Harrison, #4 Sinto Mold Lines	0.034
Unit #20: Shakeout and Sand Handling for #1, #2, #3 Sintos	0.034
Unit #13: Sand Treatment and Brass Reclaim Operations	0.009
Unit #5: Iron Room	0.005
Unit #11: Shot Blasting	0.119

Emissions Unit	Lead Emission Limit (lb/hr)
Unit #12: Shot Blasting	0.059
Unit #14: Shot Blasting	0.018
Unit #15: Grinding and Cut-Off	0.342
Unit #16: Machining, Grinding, and Polishing	0.056
Unit #17: Machining, Grinding, and Polishing	0.306
Unit #18: Machining, Grinding, and Polishing	0.064
Unit #26: Machining, Grinding, and Polishing	0.306
Unit #29: Shot blast machine	0.023
Unit #30: Cut-off saw	0.023

Compliance with the above limits, combined with the potential to emit HAP from other emission units at this source, shall limit the lead from the entire source to less than ten (10) tons per twelve (12) consecutive month period and the total HAPs from the entire source to less than twenty-five (25) tons per twelve (12) consecutive month period and render 326 IAC 2-4.1 (Major Source of Hazardous Air Pollutants) not applicable. Compliance with the above limits shall also render the requirements of 326 IAC 2-2 (PSD) not applicable.

D.1.5 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 these units and their control devices.

Compliance Determination Requirements

D.1.6 Particulate Control

- (a) In order to comply with Conditions D.1.2, D.1.3, and D.1.4, the baghouses and cartridge filters for particulate control shall be in operation and control emissions from Units #5, #6, #11-#18, #20, #23, #26, #29, and #30 at all times these units are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.1.7 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

In order to demonstrate compliance with Conditions D.1.2, D.1.3, and D.1.4, the Permittee shall:

- (a) Perform PM, PM₁₀, and lead testing on the baghouse modules UU for Unit #23 within 180 days of issuance of Part 70 Operating Permit No. T169-25077-00003 or within 180 days of publication of the new or revised condensable PM test method(s) referenced in the U. S. EPA's Final Rule for Implementation of the New Source Review (NSR) Program for Particulate Matter Less Than 2.5 Micrometers (PM_{2.5}), published in the May 16, 2008 Federal Register, whichever is later. These tests shall be repeated every five (5) years from the date of the most recent valid compliance demonstration. This testing shall be conducted utilizing methods as approved by the Commissioner. PM₁₀ includes filterable and condensable PM.
- (b) Perform PM, PM₁₀, and lead testing for baghouse H for Unit #6 within 180 days of issuance of Part 70 Operating Permit No. T169-25077-00003 or within 180 days of publication of the new or revised condensable PM test method(s) referenced in the U. S. EPA's Final Rule for Implementation of the New Source Review (NSR) Program for

Particulate Matter Less Than 2.5 Micrometers (PM_{2.5}), published in the May 16, 2008 Federal Register, whichever is later. This testing shall be conducted utilizing methods as approved by the Commissioner. These tests shall be repeated every five (5) years from the date of the most recent valid compliance demonstration on one (1) emission unit from Group A, as specified in the table below. Testing on any individual emission unit shall not be repeated until each unit in Group A has been tested. PM₁₀ includes filterable and condensable PM.

Group A Emission Units	
<i>Emission Unit</i>	<i>Baghouse</i>
Unit #6: #1 Handline and Harrison Sand Tanks and Shakeout and Conveyor Operations for #1 Handline, #1 Harrison, #2 Harrison, #4 Sinto Mold Lines	H
Unit #20: Shakeout and Sand Handling for #1, #2, #3 Sintos	KK
Unit #13: Sand Treatment and Brass Reclaim Operations	T

- (c) Perform PM, PM₁₀, and lead testing for baghouse V for Unit #15 within 180 days of issuance of Part 70 Operating Permit No. T169-25077-00003 or within 180 days publication of the new or revised condensable PM test method(s) referenced in the U. S. EPA's Final Rule for Implementation of the New Source Review (NSR) Program for Particulate Matter Less Than 2.5 Micrometers (PM_{2.5}), published in the May 16, 2008 Federal Register, whichever is later. This testing shall be conducted utilizing methods as approved by the Commissioner. These tests shall be repeated every five (5) years from the date of the most recent valid compliance demonstration on one (1) emission unit from Group B, as specified in the table below. Testing on any individual emission unit shall not be repeated until each unit in Group B has been tested. PM₁₀ includes filterable and condensable PM.

Group B Emission Units	
<i>Emission Unit</i>	<i>Baghouse</i>
Unit #15: Grinding and Cut-Off	V
Unit #5: Iron Room	G
Unit #16: Machining, Grinding, and Polishing	W
Unit #17: Machining, Grinding, and Polishing	X
Unit #18: Machining, Grinding, and Polishing	Y
Unit #26: Machining, Grinding, and Polishing	BC
Unit #30: Cut-off saw	Unit #30 cartridge filter

- (d) Perform PM, PM₁₀, and lead testing for baghouse U for Unit #14 within 180 days of issuance of Part 70 Operating Permit No. 169-25077-00003 or within 180 days publication of the new or revised condensable PM test method(s) referenced in the U. S. EPA's Final Rule for Implementation of the New Source Review (NSR) Program for Particulate Matter Less Than 2.5 Micrometers (PM_{2.5}), published in the May 16, 2008 Federal Register, whichever is later. This testing shall be conducted utilizing methods as approved by the Commissioner. These tests shall be repeated every five (5) years from the date of the most recent valid compliance demonstration on one (1) emission unit from Group C, as specified in the table below. Testing on any individual emission unit shall not be repeated until each unit in Group C has been tested. PM₁₀ includes filterable and condensable PM.

Group C Emission Units	
<i>Emission Unit</i>	<i>Baghouse</i>
Unit #14: Shot Blasting	U
Unit #11: Shot Blasting	Q
Unit #12: Shot Blasting	S
Unit #29: Shot blast machine	Unit #29 cartridge filter

- (e) All testing shall be conducted in accordance with Section C - Performance Testing.

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

D.1.8 Baghouse Compliance Monitoring

- (a) Except for Baghouse UU, for baghouses and cartridge filters equipped with a continuous broken bag (leak) detector at the exhaust stack, the Permittee shall comply with either Condition D.1.9 or Conditions D.1.10 and D.1.11.
- (b) For baghouses and cartridge filters that are not equipped with a continuous broken bag (leak) detector at the exhaust stack, the Permittee shall comply with Conditions D.1.10 and D.1.11.
- (c) For baghouse UU, the Permittee shall either comply with Condition D.1.13 or Conditions D.1.10 and D.1.11.
- (d) All baghouses and cartridge filters shall comply with Condition D.1.12.

D.1.9 Broken Bag Detectors

- (a) Except for Baghouse UU, for baghouses and cartridge filters equipped with a continuous broken bag (leak) detector at the exhaust stack, the detector shall be used for detecting the potential control device malfunction.
- (b) Each broken bag detection system must be installed, calibrated, operated, and maintained according to the "Fabric Filter Bag Leak Detection Guidance," (September 1997).
- (c) In the event that a breakdown of a broken bag detector occurs, a record shall be made of the times and the reasons of the breakdown and efforts made to correct the problem.
- (d) Whenever a broken bag detector is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more, and a backup broken bag detector is not online within twenty-four (24) hours of shutdown or malfunction of the primary broken bag detector, the Permittee shall comply with Conditions D.1.10 and D.1.11 until such time that a broken bag detector is online and functioning, pursuant to paragraph (b) of this condition.
- (e) The detector shall be subject to approval by IDEM, OAQ.

D.1.10 Visible Emissions Notations

For baghouses or cartridge filters that are not equipped with a continuous broken bag (leak) detector or as an alternative to complying with Condition D.1.9, the Permittee shall comply with the following:

- (a) Daily visible emission notations of stack exhaust from each baghouse and cartridge filter shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.11 Parametric Monitoring

For baghouses and cartridge filters that are not equipped with a continuous broken bag (leak) detector or as an alternative to complying with Condition D.1.9, the Permittee shall record the pressure drop across each baghouse at least once per day when each emissions unit is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range listed in the table below or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions and Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

Emissions Unit	Baghouse	Pressure Drop Range (inches of water)
Unit #23: Furnace Charging, Melting and Pouring	UU	3.0 to 8.0
Unit #6: #1 Handline and Harrison Sand Tanks and Shakeout and Conveyor Operations for #1 Handline, #1 Harrison, #2 Harrison, #4 Sinto Mold Lines	H	1.5 to 5.5
Unit #20: Shakeout and Sand Handling for #1, #2, #3 Sintos	KK	1.5 to 5.5
Unit #13: Sand Treatment and Brass Reclaim Operations	T	1.5 to 5.5
Unit #5: Iron Room	G	1.5 to 5.5
Unit #11: Shot Blasting	Q	1.5 to 5.5
Unit #12: Shot Blasting	S	1.5 to 5.5
Unit #14: Shot Blasting	U	1.5 to 5.5
Unit #15: Grinding and Cut-Off	V	1.5 to 5.5
Unit #16: Machining, Grinding, and Polishing	W	1.0. to 5.0
Unit #17: Machining, Grinding, and Polishing	X	1.0 to 5.0
Unit #18: Machining, Grinding, and Polishing	Y	1.0 to 5.0
Unit #26: Machining, Grinding, and Polishing	BC	1.0 to 5.0
Unit #29: Shot blast machine	Unit #29 cartridge filter	1.0 to 8.0
Unit #30: Cut-off saw	Unit #30 cartridge filter	1.0 to 8.0

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

D.1.12 Broken or Failed Bag Detection

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

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, by an alarm of the bag leak detector warning system, or by other means such as gas temperature, flow rate, air infiltration, leaks, or dust traces. An alarm of the bag leak detector warning system shall not be considered an indicator of bag failure if the baghouse's pressure drop and visible emissions readings are normal.

D.1.13 Bag Leak Detection

If the Permittee chooses, the Permittee shall install and operate a bag leak detection system for each baghouse module in baghouse UU, controlling Unit #23, with the following requirements:

- (a) Each bag leak detection system must be installed, calibrated, operated, and maintained according to the "Fabric Filter Bag Leak Detection Guidance," (September 1997).
- (b) The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 1 milligram per actual cubic meter (0.00044 grains per actual cubic foot) or less.
- (c) The bag leak detection system must be equipped with a device to continuously record the output signal from the sensor.
- (d) The bag leak detection system must be equipped with an alarm system that will sound when the system detects an increase in relative particulate loading over the alarm set point established according to paragraph (e) below. The alarm must be located such that it can be heard by the appropriate plant personnel.
- (e) In the initial adjustment of the bag leak detection system, at a minimum, the baseline output must be established by adjusting the sensitivity (range) and the averaging period of the device, the alarm set points, and the alarm delay time.
 - (1) Following the initial adjustment of the system, the averaging period, alarm set point, or alarm delay time must not be adjusted without IDEM approval, except as provided by subparagraph (2) below.
 - (2) Once per quarter, the Permittee may adjust the sensitivity of the bag leak detection system to account for seasonal effects, including temperature and humidity, according to procedures identified in the site-specific monitoring plan.
- (f) The bag leak detection sensor must be installed downstream of the fabric filter.

- (g) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

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

D.1.14 Record Keeping Requirement

- (a) To document compliance with Condition D.1.1, the Permittee shall maintain records of the type and amount of metal melted in the furnaces sufficient to show compliance with Condition D.1.1.
- (b) When using Visible Emissions Notations and Parametric Monitoring for baghouse and cartridge filter compliance monitoring,
 - (1) The Permittee shall maintain daily records of the visible emission notations of the baghouse and cartridge filter stack exhaust in order to document compliance with Condition D.1.10. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (i.e. the process did not operate that day).
 - (2) The Permittee shall maintain daily records of pressure drop across the baghouse and cartridge filters in order to document compliance with Condition D.1.11. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (i.e. the process did not operate that day).
- (c) When using Broken Bag Detectors for baghouse and cartridge filter compliance monitoring, for baghouses other than Baghouse UU, in order to document compliance with Condition D.1.9, the Permittee shall maintain the following daily records:
 - (1) The date and time of all broken bag detector alarms;
 - (2) For each valid alarm, the time the Permittee initiated corrective action;
 - (3) The corrective action taken; and
 - (4) The date on which the corrective action was completed.
- (d) If the Permittee chooses to comply with Condition D.1.13, the Permittee shall keep the following records for Baghouse UU to document compliance with Condition D.1.13:
 - (1) Records of the bag leak detection system output.
 - (2) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings.
 - (3) The date and time of all bag leak detection system alarms, and for each valid alarm, the time the Permittee initiated corrective action, the corrective action taken, and the date on which the corrective action was completed.
- (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Combustion Units:

- (a) Two (2) natural gas fired boilers for building heating, identified as Units #1 and #2, installed in 2009, each with a maximum heat input capacity of 7.325 MMBtu/hr, and exhausting to Stack "A";
- (b) Two (2) diesel fuel-fired 423 maximum horsepower (2.9 million British thermal Units per hour) generators, installed in 1992.

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

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

D.2.1 PSD Minor Limit - Carbon Monoxide [326 IAC 2-2]

The Permittee shall comply with the following:

The hours of operation for the two (2) diesel fuel-fired 423 horsepower generators shall not exceed 500 hours per per twelve (12) consecutive month period, each, with compliance determined at the end of each month.

Compliance with the above limit, combined with the potential to emit CO from other emission units at the source, shall limit the CO from the entire source to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 not applicable.

D.2.2 Particulate Emissions [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions from the boilers, identified as Units #1 and #2, shall be limited to 0.41 pounds per MMBtu heat input, each.

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

D.2.3 Record Keeping Requirement

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain records of the hours of operation of each of the two (2) diesel fuel-fired 423 horsepower generators.
- (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.4 Reporting Requirements

A semiannual summary of the information to document compliance with Condition D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Surface Coating Operations:

- (a) One (1) Binks Teflon spray coating booth, identified as Unit #21, installed in 1980, with a maximum rate of 121.7 units per hour, using a semi-automatic air atomization application method for coating brass balls, using paper air filters for overspray control, and exhausting to Stack "OO".

Insignificant Activities:

- (b) One (1) powder coating booth, used for epoxy coating, with a maximum capacity of eighteen (18) units per hour, using an integral cartridge filter for particulate capture and reuse, constructed in 1993 [326 IAC 6-3-2].

(The information describing the process contained in this emissions unit 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 [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2(d), particulate from Binks Teflon Spray Coating Booth (Unit #21) shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with the manufacturer's specifications.
- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the powder coating booth shall not exceed 0.45 pounds per hour when operating at a process weight rate of 73.6 pounds per hour.

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

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

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

D.3.2 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

D.3.3 Particulate Control

- (a) In order to comply with Conditions D.3.1(b), the baghouse for particulate control shall be in operation and control emissions from the powder coating booth at all times the powder coating booth is in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units

Permit Reviewer: Laura Spriggs, Kristen Layton

will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

SECTION E.1 SOURCE OPERATION CONDITIONS - NESHAP, Subpart ZZZZZZ

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

Charging, Melting, and Pouring/Cooling:

(a) Unit #23, consisting of:

- (1) Six (6) 5-ton each electric channel induction furnaces, two (2) constructed in 1970, one (1) constructed in 1973, two (2) constructed in 1974, one (1) constructed in 2004, each with a 1.25 tons per hour melt capacity;
- (2) One (1) box induction furnace, constructed in 1996, with a 0.695 ton per hour melt capacity;
- (3) One (1) crucible induction furnace, constructed in 1993, with a 0.53 ton per hour melt capacity; and
- (4) Pouring/Casting operations associated with seven (7) molding lines, identified as #1 Handline, #1 Harrison, #2 Harrison, #1 Sinto, #2 Sinto, #3 Sinto, and #4 Sinto, constructed in 1971, 1970, 1988, 1997, 1998, 2000, and 2004, respectively.

Due to power supply limitations the box induction furnace and crucible induction furnace cannot operate simultaneously. The total maximum melt capacity is 8.195 tons per hour. Metallic fume emissions from melting and pouring, including transfer points, controlled by nine (9) baghouse modules, identified as "UU" with a common inlet but nine (9) individual stack discharges.

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

E.1.1 General Provisions Relating to NESHAP ZZZZZZ [326 IAC 20-1] [40 CFR Part 63, Subpart A]

Pursuant to 40 CFR 63.11555, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1, as specified in Table 1 of 40 CFR Part 63, Subpart ZZZZZZ in accordance with schedule in 40 CFR 63 Subpart ZZZZZZ.

E.1.2 Area Source Standards for Aluminum, Copper, and Other Nonferrous Foundries NESHAP [40 CFR Part 63, Subpart ZZZZZZ]

The Permittee which engages in a copper foundry operation shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZZZ (included as Attachment A of this permit), with a compliance date of June 27, 2011:

- (1) 40 CFR 63.11544(a)(2), (a)(4)(i), (b), (c);
- (2) 40 CFR 63.11545(a);
- (3) 40 CFR 63.11550(a), (b)(1), (d);
- (4) 40 CFR 63.11551;
- (5) 40 CFR 63.11552;
- (6) 40 CFR 63.11553;
- (7) 40 CFR 63.11555;
- (8) 40 CFR 63.11556;
- (9) 40 CFR 63.11557; and
- (10) Table 1 to 40 CFR 63, Subpart ZZZZZZ.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Ford Meter Box Company, Inc.
Source Address: 775 Manchester Drive, Wabash, Indiana 46992
Mailing Address: PO Box 398, 775 Manchester Ave., Wabash, Indiana 46992-0398
Part 70 Permit No.: T169-25077-00003

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Ford Meter Box Company, Inc.
Source Address: 775 Manchester Drive, Wabash, Indiana 46992
Mailing Address: PO Box 398, 775 Manchester Ave., Wabash, Indiana 46992-0398
Part 70 Permit No.: T169-25077-00003

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

Part 70 Semiannual Report

Source Name: Ford Meter Box Company, Inc.
Source Address: 775 Manchester Drive, Wabash, Indiana 46992
Mailing Address: PO Box 398, 775 Manchester Ave., Wabash, Indiana 46992-0398
Part 70 Permit No.: T169-25077-00003
Facility: One (1) diesel fuel-fired 423 maximum horsepower generator
Pollutant: CO
Limit: 500 hours of operation per twelve (12) consecutive month period.

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			
Month 4			
Month 5			
Month 6			

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

Part 70 Semiannual Report

Source Name: Ford Meter Box Company, Inc.
Source Address: 775 Manchester Drive, Wabash, Indiana 46992
Mailing Address: PO Box 398, 775 Manchester Ave., Wabash, Indiana 46992-0398
Part 70 Permit No.: T169-25077-00003
Facility: One (1) diesel fuel-fired 423 maximum horsepower generator
Pollutant: CO
Limit: 500 hours of operation per twelve (12) consecutive month period.

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			
Month 4			
Month 5			
Month 6			

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Ford Meter Box Company, Inc.
Source Address: 775 Manchester Drive, Wabash, Indiana 46992
Mailing Address: PO Box 398, 775 Manchester Ave., Wabash, Indiana 46992-0398
Part 70 Permit No.: T169-25077-00003

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

Page 1 of 2

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Company Name: The Ford Motor Box Co., Inc.
Address City IN Zip: 775 Manchester Ave.
Permit Number: 169-31626-00003
Reviewer: Heath Hartley
Date: 3/19/2012

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
1.05	1000	9.2

dryer and after burner

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.009	0.035	0.035	0.003	0.460	0.025	0.386

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

PM2.5 emission factor is filterable and condensable PM2.5 combined.

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-01

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

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

See page 2 for HAPs emissions calculations.

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

Company Name: The Ford Motor Box Co., Inc.
Address City IN Zip: 775 Manchester Ave.
Permit Number: 169-31626-00003
Reviewer: Heath Hartley
Date: 3/19/2012

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichloroben 1.2E-03	Formaldehy 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	9.658E-06	5.519E-06	3.449E-04	8.278E-03	1.564E-05

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	2.300E-06	5.059E-06	6.439E-06	1.748E-06	9.658E-06

Methodology is the same as page 1.

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.
 See Page 3 for Greenhouse Gas calculations.

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

Greenhouse Gas Emissions

Company Name: The Ford Motor Box Co., Inc.
Address City IN Zip: 775 Manchester Ave.
Permit Number: 169-31626-00003
Reviewer: Heath Hartley
Date: 3/19/2012

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Potential Emission in tons/yr	552	0.0	0.0
Summed Potential Emissions in tons/yr	552		
CO2e Total in tons/yr	555		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

Coolant Emissions 5346 lb/yr 668 gal/yr

	Pollutant							
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO	Total HAPs
Emission Factor in lb/Kgal	3.0	3.0	3.0	251.2	55	1.1	5	0.0123
Potential Emission tons/yr	0.001	0.001	0.001	0.084	0.018	0.000	0.002	0.000

Coolant (lb/yr) = 4146 lb/batch / 10 hr batch x 20% oil x 0.368% (wt. loss) x 8760 hr/yr x 2.0 (s.f)
Coolant (gal/yr) = lb/yr / 8 lb/gal

Other Emissions

	PM*	PM10*	direct PM2.5*
test lb/hr	0.023	0.023	0.023
Potential Emission tons/yr	0.201	0.201	0.201

Provided by source, includes s.f (2)



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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Toll Free (800) 451-6027
www.idem.IN.gov

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: John Flesher
775 Manchester Ave
Wabash, IN 46992

DATE: April 5, 2012

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
Title V
169-31626-00003

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Chris Sanders, Responsible Official
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

