INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

August 13, 2004

TO: Interested Parties / Applicant

RE: RMG Foundry, LLC d/b/a RMG Foundry / 141-19019-00007

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER-MOD.dot 9/16/03

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P. O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

August 13, 2004

Mr. Tom Jones
RMG Foundry, LLC d/b/a RMG Foundry
500 South Union Street
Mishawaka, IN 46544

Re: **141-19019**
First Minor Permit Modification to
Part 70 No.: T 141-6087-00007

Dear Mr. Jones:

RMG Foundry, LLC d/b/a RMG Foundry was issued a permit on August 28, 2003 for stationary gray and ductile iron foundry source. A letter requesting changes to this permit was received on March 29, 2004. Pursuant to the provisions of 326 IAC 2-7-12 a minor permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of adding a new premix silo, known as EU 39.

The changes in the Part 70 Operating Permit are documented in the Technical Support Document. All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire revised Title V Operating Permit, with all modifications and amendments made to it, will be provided upon approval.

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 Mark L. Kramer, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 ext. 12 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original Signed by
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
MLK/MES
cc: File - St. Joseph County
U.S. EPA, Region V
St. Joseph County Health Department
Northern Regional Office
Air Compliance Section Inspector - Richard Sekula
Compliance Branch
Administrative and Development Section
Technical Support and Modeling - Michelle Boner

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P. O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

RMG Foundry, LLC d/b/a RMG Foundry
500 South Union Street
Mishawaka, Indiana 46544

(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.

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.: T 141-6087-00007	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: August 28, 20003 Expiration Date: August 28, 2008

First Administrative Amendment 141-18196-00007, issued January 28, 2004

First Minor Permit Modification: 141-19019-00007	Conditions Affected: A.1, A.2, D.3.3, D.3.5, D.3.6, D.3.8 & D.3.12 Sections Affected: D.3, D.4, D.5 & D.6 Condition Added: B.24
Issued by: Original Signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: August 13, 2004

TABLE OF CONTENTS

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 gray and ductile iron foundry source.

Responsible Official:	Tom Jones
Source Address:	500 South Union Street, Mishawaka, Indiana 46544
Mailing Address:	500 South Union Street, Mishawaka, Indiana 46544
General Source Phone:	219-256-4330
SIC Code:	3321
County Location:	St. Joseph
Source Location Status:	Nonattainment for ozone under the 8-hour standard Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules and Nonattainment NSR Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

Melting Operations - Department 31

(a) Three (3) electric induction furnaces, known as EU 1-1 (also known as point 31P), installed in 1974, exhausted to Stack 47, capacity: 7.0 tons of gray or ductile iron per hour, each.

(b) One (1) inoculation operation, known as EU 1-2, installed before 1974, released to the melting or foundry areas general building ventilation, capacity: 7.0 tons of molten iron per hour.

(c) One (1) charge handling operation, known as EU 1-3, installed in 1974, released to the melting or foundry areas general building ventilation, capacity: 21.0 tons of iron and scrap per hour.

(d) One (1) natural gas-fired scrap preheater, known as EU 1-4, installed in 1995, combustion exhausted to Stack 31, scrap preheating equipped with a baghouse, known as preheater B/H, for PM control and process exhausted to Stack 50, rated at 12.0 million British thermal units per hour, capacity: 21.0 tons of iron and scrap per hour.

East Foundry Operations- Department 24

(e) One (1) large pinlift operation, consisting of a molding operation and a pouring area, known as EU 2-1, installed in 1975. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron castings per hour.

(f) One (1) shakeout operation, known as EU 2-3, installed in 1975, equipped with a baghouse, known as East Foundry B/H, exhausted to Stack 49, capacity: 7.0 tons of iron castings per hour.

(g) One (1) sand handling operation, known as EU 2-4 (also known as point 35P), installed in 1975, equipped with a baghouse, known as East Foundry B/H, exhausted to Stack 49, capacity: 50.0 tons of sand per hour.

(h) One (1) premix silo, known as EU 2-5, equipped with a static bin vent filter, installed in 1979, connected to Stack 15, throughput capacity: 5.0 tons of premix per hour, storage capacity: 35 tons of premix.

(i) One (1) new sand silo, known as EU 2-6, installed before 1974, equipped with a baghouse, known as East Foundry B/H, exhausted to Stack 49, filling capacity: 20.0 tons per hour of sand, storage capacity: 25.0 tons of sand.

(j) One (1) floor molding operation, consisting of a molding operation and a pouring area, known as EU 2-7, installed in 1895. The pouring area emissions are released to the floor molding area general building ventilation, capacity: 1.0 ton of molten iron castings per hour.

South Foundry Operations - Department 26

(k) One (1) pinlift operation, consisting of a molding operation and a pouring area, known as EU 3-1, installed in 1959. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron per hour.

(l) One (1) slinger operation, consisting of a molding operation and a pouring area, known as EU 3-2, installed in 1959. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron per hour.

(m) One (1) shakeout operation, known as EU 3-3 (also known as point 34P), consisting of two (2) shakeout units, installed prior to 1970 and in 1979, equipped with a baghouse, known as South Foundry - Shakeout B/H, exhausted to Stack 44, capacity: 8.5 tons of iron castings per hour.

(n) One (1) sand handling operation, known as EU 3-4 (also known as point 33P), installed in 1959, equipped with a baghouse, known as South Foundry - Sand System B/H, exhausted to Stack 51, capacity: 60.0 tons of sand per hour.

(o) One (1) new sand bin/hopper, known as EU 3-5, installed in 1986, released to the general building ventilation, throughput capacity: 1.8 tons per hour of sand, storage capacity: 2.0 tons of sand.

(p) One (1) premix silo, known as EU 3-6, installed in 1979, equipped with a static bin vent filter, connected to Stack 38, throughput capacity: 6.0 tons of premix per hour, storage capacity: 35 tons of premix.

(q) One (1) North SPO operation, consisting of a molding operation and a pouring area, known as EU 3-7, installed in 1959. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron per hour.

(r) One (1) small pinlift operation, consisting of a molding operation and a pouring area, known as EU 2-2, installed in 1975. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron castings per hour.

(s) One (1) premix silo, known as EU 3-9, equipped with a static bin vent filter, installed in 2004, connected to Stack 59, throughput capacity: 5.0 tons of premix per hour, storage capacity: 35 tons of premix.

Middle Foundry Operations - Department 30

(t) One (1) Hunter molding, pouring and cooling line, consisting of a molding station, a pouring station, and a cooling conveyor, known as EU 4-1, installed in 1992, with only the molding unit, replaced in December 2000. The emissions from the pouring and cooling operations are controlled by a baghouse, known as Middle Foundry B/H, exhausted to Stack 46, capacity: 7.5 tons of molten iron per hour.

(u) One (1) Sinto molding, pouring and cooling line, consisting of a molding station, a pouring station, and a cooling area, known as the Small Sinto, EU 4-2a and EU 4-2b, both installed in 1974, replaced in 1998. The emissions from the pouring operations (EU 4-2a) released to the general building ventilation, cooling operations (EU 4-2b), equipped with a baghouse, known as Middle Foundry B/H, exhausted to Stack 46, capacity: 6.0 tons of molten iron per hour, each.

(v) One (1) shakeout operation, known as EU 4-3, installed in 1951, equipped with a baghouse, known as Middle Foundry B/H, exhausted to Stack 46, capacity: 15.0 tons of iron casting per hour.

(w) One (1) sand handling operation, known as EU 4-4, installed before 1974, equipped with a baghouse, known as Middle Foundry B/H, exhausted to Stack 46, capacity: 70.0 tons of sand per hour.

(x) One (1) new sand feed hopper, known as EU 4-5, installed before 1974, released to the general building ventilation, throughput capacity: 2.1 tons of sand per hour, storage capacity: 2.0 tons of sand.

(y) One (1) Sinto molding, pouring and cooling line, consisting of a molding station, a pouring station, and a cooling area, known as the Large Sinto, EU 4-7. The emissions from the pouring and cooling operations, are controlled by a baghouse, known as Middle Foundry B/H, for PM control, exhausted to Stack 46, installed in 2001, capacity: 8.0 tons of molten iron per hour.

Cleaning and Finishing Operations - Department 29

(z) Three (3) mechanical blasters (wheel blast installed in 1971, rail blast installed in 1985 and #1 spinner hanger installed in 1970), known as EU 5-1 (also known as point 37P), equipped with a baghouse, known as Wheelabrator B/H, exhausted to Stack 43, capacity: 20.0 tons of shot per hour, total and 9.0 tons of metal per hour total.

(aa) One (1) foundry paint booth, known as EU 5-2, equipped with airless assisted spray applicators, equipped with dry filters for overspray control, installed before 1968, exhausted to Stack 100, capacity: 5.0 gallons of paint per hour.

(bb) One (1) grinding operation, known as EU 5-3 (also known as point 32P), installed before 1974, consisting of a small side grinding area with eleven (11) grinders, equipped with a central baghouse, known as grinding baghouse, exhausted to Stack 42, and a large side grinding area with eleven (11) grinding booths, booths 1 - 7, controlled by the grinding baghouse, booths 8 and 9, equipped with a cyclone, exhausted to Stack 16A, and booths 10 and 11, equipped with a Torit baghouse, exhausted to Stack 16, capacity: 13.65 tons of

castings per hour.

(cc) One (1) #2 Wheelabrator spinner hanger mechanical blaster, known as EU 5-4, installed in 1974 and replaced in 1991, equipped with a baghouse, known as #2 Spinner hanger B/H, exhausted to Stack 5, capacity: 2.0 tons of steel shot per hour and 4.5 tons of metal per hour.

(dd) Two (2) Tumblast mechanical blasters, known as EU 5-6, installed before 1968, equipped with a baghouse, known as Tumblast B/H, exhausted to Stack 45, capacity: 2.0 tons per hour of steel shot, total and 4.5 tons of metal per hour.

(ee) Miscellaneous solvent usage, known as EU 6-5, installed before 1968, released to the general building ventilation, capacity: 0.005 ton per hour of Stoddard solvent.

Core Making Operations - Department 27

(ff) One (1) muller sand silo, known as EU 7-1, installed in prior to 1968, equipped with a static bin vent filter, connected to Stack 11, filling capacity: 20 tons of sand per hour, 900 standard cubic feet per minute flow rate, used only for truck deliveries.

(gg) One (1) iso-set core-making process, consisting of four (4) Gaylord core machines, known as EU 7-4a, installed in 1979, equipped with a counter current packed bed scrubber for SO_2 control, known as SO_2 scrubber, released to the general building ventilation, capacity: 4.5 tons of sand per hour, 126 pounds of iso-set resin per hour, and 67.5 pounds of SO_2 per hour.

(hh) One (1) Laempe LL 30 core machine, known as EU 7-4b, installed in 2000, equipped with a scrubber for SO_2 control, known as the Laempe scrubber, capacity: 3.0 tons of sand per hour, 84 pounds of epoxy resin per hour, and 45 pounds of SO_2 per hour.

(ii) One (1) pep-set core-making process, consisting of two (2) Palmer core machines, known as EU 7-5, installed in 1985, capacity: 13.0 tons of sand per hour, 313 pounds of pep-set per hour.

(jj) One (1) sand silo - Dept. 26 & 30 (South and Middle Foundries), known as EU 7-6, installed in 1979, equipped with a static bin vent filter, connected to Stack 58A, filling capacity: 20.0 tons of sand per hour, 900 standard cubic feet per minute flow rate, used only for truck deliveries.

(kk) One (1) sand silo - pepset/isoset, known as EU 7-7, installed in 1979, equipped with a static bin vent filter, connected to Stack 58, filling capacity: 20.0 tons of sand per hour, 900 standard cubic feet per minute flow rate, used only for truck deliveries.

(ll) Two (2) Shalco 315 core machines, known as EU 7-8, installed in 2001, equipped with an existing scrubber associated with the Laempe core machine, EU 7-4b for SO_2 control, exhausted in the core room, capacity: 5.0 tons of sand per hour, 140 pounds of epoxy resin per hour, and 75 pounds of SO_2 per hour, total.

(mm) The core room raw material handling system is a pneumatic transfer system that delivers sand from EU 7-7 to feed bins for EU 7-4a, EU 7-4b, EU 7-5 and EU 7-8, capacity: 9.0 tons of sand per hour total, 150 standard cubic feet per minute of conveying air. The conveying air for EU 7-5 is discharged through EU 7-6. The conveying air for EU 7-4a, EU 7-4b and EU 7-8 is discharged indoors through individual static bin vents, equipped with cartridge filters. EU 7-6 and EU 7-7 are connected to each other by a vent tube so that the static

vents in each function in parallel, equipped with cartridge filters.

Combustion

(nn) Two (2) natural gas-fired boilers, known as EU 10-1 and EU 10-2, respectively, installed in 1968, exhausted to Stack 88 and Stack 88A, respectively, rated at 16.4 million British thermal units per hour, each.

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) which are specifically regulated:

(a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. (326 IAC 6-1)

(b) 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 cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. (326 IAC 6-1)

(c) Other activities or categories not previously identified with emissions equal to or less than the insignificant thresholds of five (5) pounds per hour or twenty-five (25) pounds per day for PM, SO2, and/or NOX, three (3) pounds per hours or fifteen (15) pounds per day for VOC, twenty-five (25) pounds per day for CO or 0.6 tons per year or 3.29 pounds per day of lead:

(1) Powder coating, equipped with dry filters, capacity: 255 units per hour. (326 IAC 6-1)

(2) Holding furnace, known as Ajax. (326 IAC 6-1)

(3) Rod furnace. (326 IAC 6-1)

(d) Asbestos abatement projects regulated by 326 IAC 14-10.

(e) Natural gas-fired combustion source with heat input equal to or less than ten million (10,000,000) British thermal units per hour: One (1) burn-off oven with an integral after-burner, rated at 0.4 million British thermal units per hour. This burn-off oven is designed for removing excess coatings from paint line fixtures and parts to be coated and is not to be used for any other purpose. (326 IAC 4-2)

This stationary source also includes the following insignificant activities as defined in 326 IAC 2-7-1(21) which are not specifically regulated:

(f) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour (total 55.933 million British thermal units per hour):

(1) One (1) cure oven, rated at 3.5 million British thermal units per hour.

(2) One (1) washer, rated at 1.5 million British thermal units per hour.

(3) One (1) dry-off oven, rated at 1.5 million British thermal units per hour.

Department 10

(4) One (1) Door Blast Heater, rated at 0.5 million British thermal units per hour.

Department 23/40

(5) One (1) gas unit heater rated at 0.250 million British thermal units per hour.

(6) One (1) gas unit heater rated at 0.225 million British thermal units per hour.

(7) One (1) radiant heater rated at 0.030 million British thermal units per hour.

Department 24

(8) Two (2) ladle heaters rated at 0.115 million British thermal units per hour, each.

(9) Ten (10) radiant gas heaters rated at 0.053 million British thermal units per hour, each.

(10) One (1) air makeup unit rated at 5.000 million British thermal units per hour.

(11) One (1) air makeup unit rated at 6.000 million British thermal units per hour.

(12) One (1) ladle heater rated at 1.000 million British thermal units per hour.

Department 26

(13) One (1) gas unit heater rated at 0.260 million British thermal units per hour.

(14) Four (4) ladle heaters rated at 0.500 million British thermal units per hour, each.

(15) Four (4) ladle heaters rated at 1.000 million British thermal units per hour, each.

(16) One (1) air makeup unit rated at 10.000 million British thermal units per hour.

Department 27

(17) One (1) gas radiant heater rated at 0.053 million British thermal units per hour.

(18) One (1) core oven rated at 0.270 million British thermal units per hour.

(19) One (1) shell core machine, Harrison 1616 rated at 0.145 million British thermal units per hour.

(20) Three (3) core machines, Shalco V-180 rated at 0.400 million British thermal units per hour, each.

(21) One (1) gas unit heater rated at 0.260 million British thermal units per hour.

Department 29

(22) One (1) gas unit heater rated at 0.260 million British thermal units per hour.

(23) One (1) gas radiant heater rated at 0.053 million British thermal units per hour.

Department 30

(24) One (1) ladle heater rated at 0.115 million British thermal units per hour.

(25) Three (3) ladle heaters rated at 0.088 million British thermal units per hour, each.

(26) Two (2) ladle heaters rated at 0.500 million British thermal units per hour, each.

Department 31

(27) One (1) gas air makeup unit rated at 3.000 million British thermal units per hour.

(28) Three (3) ladle heaters rated at 1.000 million British thermal units per hour, each.

(29) One (1) ladle heater rated at 0.115 million British thermal units per hour.

(30) Five (5) gas radiant heaters rated at 0.053 million British thermal units per hour, each.

(31) Two (2) gas unit heaters rated at 0.105 million British thermal units per hour, each.

(32) One (1) gas unit heater rated at 0.260 million British thermal units per hour.

(33) Two (2) Ajax torches.

Department 39

(34) One (1) gas air makeup unit rated at 7.500 million British thermal units per hour.

Foundry Locker Room

(35) One (1) gas unit heater rated at 0.250 million British thermal units per hour.

(g) Propane for liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.

(h) Combustion source flame safety purging on startup.

(i) 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.

(j) The following VOC and HAP storage containers:

(1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(2) Vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.

(k) Refractory storage not requiring air pollution control equipment.

(l) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.

(m) Machining where an aqueous cutting coolant continuously floods the machining interface.

(n) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.

(o) Cleaners and solvents characterized as follows:

(1) having a vapor pressure equal to or less than 2 kiloPascals; 15 millimeters of mercury; or 0.3 pounds per square inch measured at 38EC (100EF) or;

(2) having a vapor pressure equal to or less than 0.7 kiloPascals; 5 millimeters of mercury; or 0.1 pounds per square inch measured at 20EC (68EF); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(p) Closed loop heating and cooling systems.

(q) Any operation using aqueous solutions containing less than 1 percent by weight of VOCs excluding HAPs.

(r) Noncontact cooling tower systems with either of the following: Forced and induced draft cooling tower system not regulated under a NESHAP.

(s) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(t) Paved and unpaved roads and parking lots with public access.

(u) Asbestos abatement projects regulated by 326 IAC 14-10.

(v) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.

(w) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.

(x) On-site fire and emergency response training approved by the department.

(y) Other emergency equipment as follows: Stationary fire pumps.

(z) Purge double block and bleed valves.

(aa) Mold release agents using low volatile products (vapor pressure less than or equal to 2 kiloPascals measured at 38EC).

(bb) A laboratory as defined in 326 IAC 2-7-1(21)(D).

A.4 Emission Units and Pollution Control Equipment Eliminated From Service

This stationary source has eliminated from service the following previously permitted facilities and pollution control devices: These facilities are no longer permitted to operate.

(a) The one (1) wire feed system for the inoculation of ductile iron in Department 26, permitted under CP 141-3867-00007, issued on September 20, 1994.

(b) One (1) paint dip tank prime coat, permitted under D 1 132, issued January 6, 1993 and January 6, 1997, eliminated in 1997.

(c) One (1) Binks paint spray booth, permitted under D 1 135, issued January 6, 1993 and January 6, 1997, eliminated in 1997.

(d) One (1) paint dip tank (prime coat), permitted under D 1 137, issued January 6, 1993 and January 6, 1997, eliminated in 1993.

(e) One (1) manual pulley blast booth, known as EU 12-1, installed in 1986, equipped with a baghouse for PM control, released to the general ventilation, capacity: 0.5 tons of steel shot per hour, removed from the foundry in 1999.

(f) One (1) pulley cleaning operation, known as EU 12-2, installed in 1970, released to the general building ventilation, capacity: 0.0015 tons of solvent per hour, removed from the foundry in 1999.

(g) One (1) pulley lagging application operation, known as EU 12-3, installed in 1986, equipped with hand rollers, released to the general building ventilation, capacity: 0.00075 tons of adhesive per hour, removed from the foundry in 1999.

(h) One (1) natural gas-fired refuse incinerator, known as EU 11-1, rated at 1.9 million British thermal units per hour, capacity: 800 pounds of refuse per hour, limited to 750 tons of refuse per year, permitted under D 1 175, issued January 6, 1993 and January 6, 1997 removed from service in April 1999.

(i) One (1) standby coal-fired boiler rated at 13 million British thermal units per hour.

(j) One (1) shot blast cleaning machine for charge.

(k) One (1) Squeezers molding, pouring and cooling line, known as EU 4-6, installed in 1959, released to the general building ventilation, capacity: 1.5 tons of molten iron per hour, removed by SSM 141-13749 in 2001.

Department 11

(l) One (1) steel shop paint booth, known as EU 6-1, equipped with assisted airless spray applicators, equipped with dry filters for overspray control, installed before 1968, exhausted to Stack 4, capacity: 5.0 gallons of paint per hour.

(m) One (1) 60 horsepower boiler rated at 2.511 million British thermal units per hour.

(n) One (1) conveyor drive paint booth, known as EU 8-2, installed in1970, equipped with air-assisted airless spray applicators, equipped with dry filters for overspray control, exhausted to Stack 99, capacity: 5.0 gallons of paint per hour.

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

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

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

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

SECTION B GENERAL CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

B.8 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

(a) As provide in 326 IAC 2-7-5(6), the Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

(1) Enforcement action;

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

(3) Denial of a permit renewal application.

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

(c) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(d) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

B.9 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

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

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

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

B.10 Annual Compliance Certification [326 IAC 2-7-6(5)]

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

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

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

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

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

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

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

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

(b) The Permittee shall implement the PMPs including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.

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

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

B.12 Emergency Provisions [326 IAC 2-7-16]

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

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

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

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

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

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and Northern Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967
Telephone Number: 219-245-4870 (Northern Regional Office)
Facsimile Number: 219-245-4877 (Northern Regional Office)

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

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

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

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

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

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

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

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

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

B.13 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

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

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

(b) In addition to the nonapplicability determinations set forth in Sections D of this permit, the IDEM, OAQ has made the following determinations regarding this source:

(1) The Part 70 application for this foundry was submitted in June 1996, therefore, the requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not applicable during this permit term.

(2) The two (2) natural gas-fired boilers, known as EU 10-1 and EU 10-2, respectively, installed in 1968, rated at 16.4 million British thermal units per hour, each, are not subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.4), Subpart Dc, since these boilers were installed prior to the June 9, 1989 applicability date for this rule.

(3) The following National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 40 CFR Part 63) are not applicable to this source.

(A) The degreaser is not subject to 40 CFR 63, Subpart T since it does not use any halogenated solvents.

(B) A single HAP is limited to less than ten (10) tons per year and the combination of HAPs is limited to less than twenty-five (25) tons per year in the foundry paint booth, therefore, the requirements of 40 CFR Part 63 Subpart B are not applicable to the foundry paint booth.

(4) As of the date of issuance of this permit none of the following emission units are subject to the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) because these emission units were constructed prior to the August 7, 1977, PSD applicability date:

(A) Melting Operations - Department 31

(1) Three (3) electric induction furnaces, known as EU 1-1 (also known as point 31P), installed in 1974.

(2) One (1) inoculation operation, known as EU 1-2, installed before 1974.

(3) One (1) charge handling operation, known as EU 1-3, installed 1974.

(B) East Foundry Operations- Department 24

(4) One (1) large pinlift molding, pouring and cooling line, known as EU 2-1, installed in 1975.

(5) One (1) shakeout operation, known as EU 2-3, installed in 1975.

(6) One (1) sand handling operation, known as EU 2-4 (also known as point 35P), installed in 1975.

(7) One (1) new sand silo, known as EU 2-6, installed before 1974.

(8) One (1) floor molding, pouring and cooling line, known as EU 2-7, installed in 1895.

(C) South Foundry Operations - Department 26

(9) One (1) pinlift molding, pouring and cooling line, known as EU 3-1, installed in 1959.

(10) One (1) slinger molding, pouring and cooling line, known as EU 3-2, installed in 1959.

(11) One (1) shakeout operation, known as EU 3-3 (also known as point 34P), only one (1) of two (2) shakeout units, installed prior to 1970.

(12) One (1) sand handling operation, known as EU 3-4 (also known as point 33P), installed in 1959.

(13) One (1) North SPO molding, pouring and cooling line, known as EU 3-7, installed in 1959.

(14) One (1) small pinlift molding, pouring and cooling line, known as EU 2-2, installed in 1975.

(D) Middle Foundry Operations - Department 30

(15) One (1) shakeout operation, known as EU 4-3, installed in 1951.

(16) One (1) sand handling operation, known as EU 4-4, installed before 1974.

(17) One (1) new sand feed hopper, known as EU 4-5, installed before 1974.

(E) Cleaning and Finishing Operations - Department 29

(18) Two (2) mechanical blasters (wheel blast and #1 spinner hanger), known as EU 5-1 (also known as point 37P), installed in 1971 and 1970, respectively.

(19) One (1) foundry paint booth, known as EU 5-2, installed before 1968.

(20) One (1) grinding operation, known as EU 5-3 (also known as point 32P), installed before 1974.

(21) Two (2) tumblast mechanical blasters, known as EU 5-6, installed before 1968.

(F) Conveyor Drive Fabrication Operations - Department 11

(22) Miscellaneous solvent usage, known as EU 6-5, installed before 1968.

(G) Core Making Operations - Department 27

(23) One (1) muller sand silo, known as EU 7-1, installed in prior to 1968.

(H) Combustion

(24) Two (2) natural gas-fired boilers, known as EU 10-1 and EU 10-2, respectively, installed in 1968.

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

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

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

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

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

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

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

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

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

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

B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, ors

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

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

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

measures taken shall be reported to:

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

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

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

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

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

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

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

(1) That this permit contains a material mistake.

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

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

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

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

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

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

the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]

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

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

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

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

(c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

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

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

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

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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

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

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

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

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

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

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

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

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

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

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

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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 copy of this permit; and

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

public review.

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

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

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

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

(3) Any change in emissions; and

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

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

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

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

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

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

B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-30-3-1] [IC13-17-3-2]

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, IC13-17-3-2 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, IC13-17-3-2 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, IC13-17-3-2 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, IC13-17-3-2 and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

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

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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 (BLT)), to determine the appropriate permit fee.

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 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 thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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

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

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

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

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

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

C.5 Operation of Equipment [326 IAC 2-7-6(6)]

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

C.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 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4(d), (e), and (f), and 326 IAC 1-7-5(d) are not federally enforceable.

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

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited, pursuant to the provisions of 40 CFR 61, Subpart M, is federally enforceable. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

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

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

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

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 source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

(b) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one (1) pH point.

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

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

C.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 Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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 source must comply with the applicable requirements of 40 CFR 68.

C.15 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

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

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

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

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

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

(c) The Permittee is not required to take any further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.

(3) An automatic measurement was taken when the process was not operating.

(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.

(e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

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

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

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

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

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

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

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

(a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:

(1) Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);

(2) Indicate estimated actual emissions of regulated pollutants (as defined by 326 IAC 2-7-1(32) ("Regulated pollutant which is used only for purposes of Section 19 of this rule") from the source, for purposes of Part 70 fee assessment.

(b) The annual emission statement covers the twelve (12) consecutive month time period starting December 1 and ending November 30. The annual emission statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

(c) The annual 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.

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

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

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

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified

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

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

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

Stratospheric Ozone Protection

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

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

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

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

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

Part 2 MACT Application Submittal Requirement

C.21 Application Requirements for Section 112(j) of the Clean Air Act [40 CFR 63.52(e)] [40 CFR 63.56(a)] [40 CFR 63.9(b)] [326 IAC 2-7-12]

(a) The Permittee shall submit a Part 2 MACT Application in accordance with 40 CFR 63.52(e)(1). The Part 2 MACT Application shall meet the requirements of 40 CFR 63.53(b).

(b) Notwithstanding paragraph (a), the Permittee is not required to submit a Part 2 MACT Application if the Permittee no longer meets the applicability criteria of 40 CFR 63.50 by the application deadline in 40 CFR 63.52(e)(1). For example, the Permittee would not have to submit a Part 2 MACT Application if, by the application deadline:

(1) The source is no longer a major source of hazardous air pollutants, as defined in 40 CFR 63.2;

(2) The source no longer includes one or more units in an affected source category for which the U.S. EPA failed to promulgate an emission standard by May 15, 2002; or

(3) The MACT standard or standards for the affected source categories included at the source are promulgated.

(c) Notwithstanding paragraph (a), pursuant to 40 CFR 63.56(a), the Permittee shall comply with an applicable promulgated MACT standard in accordance with the schedule provided in the MACT standard if the MACT standard is promulgated prior to the Part 2 MACT

Application deadline or prior to the issuance of permit with a case-by-case Section 112(j) MACT determination. The MACT requirements include the applicable General Provisions requirements of 40 CFR 63, Subpart A. Pursuant to 40 CFR 63.9(b), the Permittee shall submit an initial notification not later than 120 days after the effective date of the MACT, unless the MACT specifies otherwise. The initial notification shall be submitted to:

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

and

United States Environmental Protection Agency, Region V
Director, Air and Radiation Division
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Melting Operations - Department 31

(a) Three (3) electric induction furnaces, known as EU 1-1 (also known as point 31P), installed in 1974, exhausted to Stack 47, capacity: 7.0 tons of gray or ductile iron per hour, each.

(b) One (1) inoculation operation, known as EU 1-2, installed before 1974, released to the melting or foundry areas general building ventilation, capacity: 7.0 tons of molten iron per hour.

(c) One (1) charge handling operation, known as EU 1-3, installed in 1974, released to the melting or foundry areas general building ventilation, capacity: 21.0 tons of iron and scrap per hour.

(d) One (1) natural gas-fired scrap preheater, known as EU 1-4, installed in 1995, combustion exhausted to Stack 31, scrap preheating equipped with a baghouse, known as preheater B/H, for PM control and process exhausted to Stack 50, rated at 12.0 million British thermal units per hour, capacity: 21.0 tons of iron and scrap per hour.

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

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

D.1.1 Emission Offset Minor Limit [326 IAC 2-3]

(a) The PM emissions from the natural gas-fired scrap preheater, known as EU 1-4, shall not exceed 5.70 pounds per hour. Therefore, the requirements of 326 IAC 2-3 do not apply.

(b) Pursuant CP 141-4053-00007, issued January 13, 1995, the PM_{10} emissions from the natural gas-fired scrap preheater, known as EU 1-4, shall not exceed 3.42 pounds per hour. Therefore, the requirements of 326 IAC 2-3 do not apply.

D.1.2 Particulate Matter (PM) [326 IAC 6-1-18]

Pursuant to 326 IAC 6-1-18 (Nonattainment area particulate limitations: St. Joseph County), the allowable particulate matter (PM) emission rate from the three (3) electric induction furnaces, known as EU 1-1, exhausted to Stack 47 shall not exceed:

(a) 0.09 grains per dry standard cubic foot of outlet air, equivalent to 19.3 pounds per hour at a flow rate of 25,000 dry standard cubic feet per minute and

(b) A total of 37.5 tons per twelve (12) consecutive month period. The three (3) electric induction furnaces, known as EU 1-1, will comply by meeting the following limits:

(1) PM emissions shall not exceed 0.9 pounds of PM per ton of iron melted, and

(2) Metal throughput to the furnaces shall not exceed 83,333 tons of gray and ductile iron per twelve (12) consecutive month period with compliance determined at the end of each month.

D.1.3 Particulate Matter (PM) [326 IAC 6-1]

Pursuant to 326 IAC 6-1-2 (Nonattainment area particulate limitations), the allowable particulate matter (PM) emission rates from the following emission units shall not exceed:

(a) 0.03 grains per dry standard cubic foot of outlet air from the scrap preheater, known as EU 1-4, combustion exhausted to Stack 31 and process exhausted to Stack 50, equivalent to 1.03 pounds per hour at a flow rate of 4,000 dry standard cubic feet per minute for Stack 50.

(b) 0.03 grains per dry standard cubic foot of outlet air from the inoculation operation, known as EU 1-2, and the charge handling operation, known as EU 1-3, both released to the melting or foundry areas general ventilation.

D.1.4 Fuel Type

Pursuant to CP 141-4053-00007, issued January 13, 1995, natural gas shall be the only fuel used in the operation of the scrap preheater (EU 1-4).

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 three (3) electric induction furnaces, known as EU 1-1 and the scrap preheater, known as EU 1-4 and its control device.

Compliance Determination Requirements

D.1.6 Particulate Matter (PM)

In order to comply with Conditions D.1.1 and D.1.3, the baghouse for PM control shall be in operation and control emissions from the scrap preheater, known as EU 1-4, at all times that the scrap preheater is in operation.

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

D.1.7 Visible Emissions Notations

(a) Visible emission notations of the three (3) electric induction furnaces, known as EU 1-1 Stack exhaust 47 and of the scrap preheater, known as EU 1-4, Stack exhaust 50 shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

D.1.8 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the scrap preheater, known as EU 1-4, at least once per shift when the scrap heater is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water, the Permittee shall take

reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

D.1.9 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the scrap preheater, known as EU 1-4, when venting to the atmosphere. A baghouse inspection shall be performed within three (3) months of redirecting vents to the atmosphere and every three (3) months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.1.10 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.1.11 Record Keeping Requirements

(a) To document compliance with Condition D.1.2(b), the Permittee shall maintain records of the amount of gray and ductile iron melted in three (3) electric induction furnaces, known as EU 1-1 on a monthly basis.

(b) To document compliance with Condition D.1.7, the Permittee shall maintain records of visible emission notations of the Stack exhausts 47 and 50 once per shift when operating normally, during daylight hours.

(c) To document compliance with Condition D.1.8, the Permittee shall maintain once per shift records of the total static pressure drop during normal operation when venting to the

atmosphere.

(d) To document compliance with Condition D.1.9, the Permittee shall maintain records of the results of the inspections required under Condition D.1.9 and the dates the vents are redirected.

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

D.1.12 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.2(b) 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.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: East Foundry Operations- Department 24

(e) One (1) large pinlift operation, consisting of a molding operation and a pouring area, known as EU 2-1, installed in 1975. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron castings per hour.

(f) One (1) shakeout operation, known as EU 2-3, installed in 1975, equipped with a baghouse, known as East Foundry B/H, exhausted to Stack 49, capacity: 7.0 tons of iron castings per hour.

(g) One (1) sand handling operation, known as EU 2-4 (also known as point 35P), installed in 1975, equipped with a baghouse, known as East Foundry B/H, exhausted to Stack 49, capacity: 50.0 tons of sand per hour.

(h) One (1) premix silo, known as EU 2-5, equipped with a static bin vent filter, installed in 1979, connected to Stack 15, throughput capacity: 5.0 tons of premix per hour, storage capacity: 35 tons of premix.

(i) One (1) new sand silo, known as EU 2-6, installed before 1974, equipped with a baghouse, known as East Foundry B/H, exhausted to Stack 49, filling capacity: 20.0 tons per hour of sand, storage capacity: 25.0 tons of sand.

(j) One (1) floor molding operation, consisting of a molding operation and a pouring area, known as EU 2-7, installed in 1895. The pouring area emissions are released to the floor molding area general building ventilation, capacity: 1.0 ton of molten iron castings per hour.

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

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

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

The total throughput of sand to premix silo, known as EU 2-5, and to EU 3-6, EU 7-6 and EU 7-7 combined shall not exceed 15,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(a) PM emissions from the premix silo, known as EU 2-5, shall not exceed 0.27 pounds of PM per ton of sand.

(b) PM_{10} emissions from the premix silo, known as EU 2-5, shall not exceed 0.27 pounds of PM_{10} per ton of sand.

Compliance with these limits renders the requirements of 326 IAC 2-2 not applicable.

D.2.2 Particulate Matter (PM) [326 IAC 6-1-18]

Pursuant to 326 IAC 6-1-18 (Nonattainment area particulate limitations: St. Joseph County), the allowable particulate matter (PM) emission rate from the sand handling operation, known as EU 2-4 and the shakeout operation, known as EU 2-3, (also known as point 35P) exhausted to Stack 49 shall not exceed:

(a) 0.01 grains per dry standard cubic foot of outlet air, equivalent to 2.83 pounds per hour at a flow rate of 33,000 dry standard cubic feet per minute and

(b) 3.16 tons per year. The sand handling operation, known as EU 2-4 and the shakeout operation, known as EU 2-3, will comply by meeting with the following limits:

(1) PM emissions from Stack 49 shall not exceed 0.036 pounds of PM per ton of sand handled and 0.032 pounds of PM per ton of castings.

(2) The Permittee shall not exceed a limit of 150,000 tons of sand per twelve (12) consecutive month period in the sand handling operation, known as EU 2-4 and 25,000 tons of castings per twelve (12) consecutive month period process by the shakeout operation, known as EU 2-3.

D.2.3 Particulate Matter (PM) [326 IAC 6-1]

Pursuant to 326 IAC 6-1 (Nonattainment area limitations), the allowable particulate matter (PM) emission rates from the following emission units shall not exceed:

(a) 0.03 grains per dry standard cubic foot of outlet air from the premix silo, known as EU 2-5, connected to Stack 15, equivalent to 0.231 pounds per hour at a flow rate of 900 dry standard cubic feet per minute.

(b) 0.03 grains per dry standard cubic foot of outlet air from the new sand silo, known as EU 2-6, exhausted to Stack 49, equivalent to 8.49 pounds per hour at a flow rate of 33,000 dry standard cubic feet per minute.

(c) 0.03 grains per dry standard cubic foot of outlet air from the large pinlift pouring, and cooling operations, known as EU 2-1.

(d) 0.03 grains per dry standard cubic foot of outlet air from the floor pouring, and cooling operation, known as EU 2-7.

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

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for shakeout operation, known as EU 2-3, the sand handling operation, known as EU 2-4, the premix silo, EU 2-5, and their control devices.

Compliance Determination Requirements

D.2.5 Particulate Matter (PM)

(a) In order to comply with Conditions D.2.1 and D.2.3, the bin vent filter for PM control shall be functional and control emissions from the premix silo, known as EU 2-5, at all times that the premix silo is in operation.

(b) In order to comply with Conditions D.2.2 and D.2.3, the baghouse for PM control shall be in operation and control emissions from the shakeout operation, known as EU 2-3, from the sand handling operation, known as EU 2-4, and the new sand silo, known as EU 2-6, at all times that the shakeout, sand handling processes and the new sand silo are in operation.

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

Within 36 months after issuance of this permit in order to demonstrate compliance with Conditions D.2.2 and D.2.3, the Permittee shall perform PM testing of the shakeout operation (EU 2-3), the sand handling operation (EU 2-4) and the new sand silo (EU 2-6), all exhausting through Stack 49 utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

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

D.2.7 Visible Emissions Notations

(a) Visible emission notations of the shakeout operation, known as EU 2-3, the sand handling operation, known as EU 2-4, and the new sand silo, known as EU 2-6, Stack exhaust 49 as well as the premix silo, known as EU 2-5, Stack exhaust 15 shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

D.2.8 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the shakeout operation, known as EU 2-3, the sand handling operation, known as EU 2-4, and the new sand silo, known as EU 2-6, at least once per shift when the these facilities are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

D.2.9 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the shakeout operation, known as EU 2-3, the sand handling operation, known as EU 2-4, and the new sand silo, known as EU 2-6, when venting to the atmosphere. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.2.10 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight

(8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.2.11 Record Keeping Requirements

(a) To document compliance with Condition D.2.1, the Permittee shall maintain records of the total throughput of sand to the premix silo, known as EU 2-5, as well as to EU 3-6, EU 7-6 and EU 7-7 combined on a monthly basis.

(b) To document compliance with Condition D.2.2(b)(2), the Permittee shall maintain records of the throughput of sand in the sand handling system, known as EU 2-4 on a monthly basis.

(c) To document compliance with Condition D.2.7, the Permittee shall maintain records of visible emission notations of the Stack exhausts 49 and 15 once per shift when operating normally, during daylight hours.

(d) To document compliance with Condition D.2.8, the Permittee shall maintain once per shift records of the total static pressure drop during normal operation when venting to the atmosphere.

(e) To document compliance with Condition D.2.9, the Permittee shall maintain records of the results of the inspections required under Condition D.2.9 and the dates the vents are redirected.

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

D.2.12 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.1 and D.2.2(b)(2) 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 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: South Foundry Operations - Department 26

(k) One (1) pinlift operation, consisting of a molding operation and a pouring area, known as EU 3-1, installed in 1959. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron per hour.

(l) One (1) slinger operation, consisting of a molding operation and a pouring area, known as EU 3-2, installed in 1959. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron per hour.

(m) One (1) shakeout operation, known as EU 3-3 (also known as point 34P), consisting of two (2) shakeout units, installed prior to 1970 and in 1979, equipped with a baghouse, known as South Foundry - Shakeout B/H, exhausted to Stack 44, capacity: 8.5 tons of iron castings per hour.

(n) One (1) sand handling operation, known as EU 3-4 (also known as point 33P), installed in 1959, equipped with a baghouse, known as South Foundry - Sand System B/H, exhausted to Stack 51, capacity: 60.0 tons of sand per hour.

(o) One (1) new sand bin/hopper, known as EU 3-5, installed in 1986, released to the general building ventilation, throughput capacity: 1.8 tons per hour of sand, storage capacity: 2.0 tons of sand.

(p) One (1) premix silo, known as EU 3-6, installed in 1979, equipped with a static bin vent filter, connected to Stack 38, throughput capacity: 6.0 tons of premix per hour, storage capacity: 35 tons of premix.

(q) One (1) North SPO operation, consisting of a molding operation and a pouring area, known as EU 3-7, installed in 1959. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron per hour.

(r) One (1) small pinlift operation, consisting of a molding operation and a pouring area, known as EU 2-2, installed in 1975. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron castings per hour.

(s) One (1) premix silo, known as EU 3-9, equipped with a static bin vent filter, installed in 2004, connected to Stack 59, throughput capacity: 5.0 tons of premix per hour, storage capacity: 35 tons of premix.

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

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

D.3.1 PSD Minor Limit [326 IAC 2-2]

(a) The PM emissions from the shakeout operation, known as EU 3-3 (also known as point 34P), consisting of two (2) shakeout units, equipped with a baghouse, known as South Foundry - Shakeout B/H, exhausted to Stack 44 shall not exceed 5.03 pounds per hour.

(b) The PM_{10} emissions from the shakeout operation, known as EU 3-3 (also known as point 34P), consisting of two (2) shakeout units, equipped with a baghouse, known as South Foundry - Shakeout B/H, exhausted to Stack 44 shall not exceed 3.02 pounds per hour.

(c) The total throughput of sand to premix silo, known as EU 3-6, and to EU 2-5, EU 7-6 and EU 7-7 combined shall not exceed 15,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(1) PM emissions from the premix silo, known as EU 3-6, shall not exceed 0.27 pounds of PM per ton of sand.

(2) PM_{10} emissions from the premix silo, known as EU 3-6, shall not exceed 0.27 pounds of PM_{10} per ton of sand.

Compliance with these limits renders the requirements of 326 IAC 2-2 not applicable.

D.3.2 Particulate Matter (PM) [326 IAC 6-1-18]

(a) Pursuant to 326 IAC 6-1-18 (Nonattainment area particulate limitations: St. Joseph County), the allowable particulate matter (PM) emission rate from the shakeout operation, known as EU 3-3, exhausted to Stack 44 shall not exceed:

(1) 0.012 grains per dry standard cubic foot of outlet air, equivalent to 2.78 pounds per hour at a flow rate of 27,000 dry standard cubic feet per minute and

(2) 5.17 tons per year.

(b) Pursuant to 326 IAC 6-1-18 (Nonattainment area particulate limitations: St. Joseph County), the allowable particulate matter (PM) emission rate from the sand handling operation, known as EU 3-4, exhausted to Stack 51 shall not exceed:

(1) 0.017 grains per dry standard cubic foot of outlet air, equivalent to 4.01 pounds per hour at a flow rate of 27,500 dry standard cubic feet per minute and

(2) 6.66 tons per twelve (12) consecutive month period. The sand handling operation, known as EU 3-4, will comply by meeting the following limits:

(A) PM emissions from Stack 51 shall not exceed 0.036 pounds of PM per ton of sand handled.

(B) The Permittee shall not exceed a limit of 373,737 tons of sand per twelve (12) consecutive month period with compliance determined at the end of each month in the sand handling operation, known as E 3-4.

D.3.3 Particulate Matter (PM) [326 IAC 6-1]

Pursuant to 326 IAC 6-1 (Nonattainment area limitations), the allowable particulate matter (PM) emission rates from the following emission units shall not exceed:

(a) 0.03 grains per dry standard cubic foot of outlet air from the premix silo, known as EU 3-6, exhausted to Stack 38, equivalent to 0.231 pounds per hour at a flow rate of 900 dry standard cubic feet per minute.

(b) 0.03 grains per dry standard cubic foot of outlet air from the pinlift and slinger pouring, and cooling operations, known as EU 3-1 and EU 3-2, the new sand bin/hopper, known as EU 3-5, the North SPO operation, known as EU 3-7 as well as the small pinlift operation, known as EU 2-2.

(c) 0.03 grains per dry standard cubic foot of outlet air from the premix silo, known as EU 3-9, connected to Stack 59, equivalent to 0.231 pounds per hour at a flow rate of 900 dry

standard cubic feet per minute.

D.3.4 VOC [326 IAC 2-3]

The throughput of iron castings to the shakeout operation, known as EU 3-3, shall be limited to less than 66,666 tons per twelve (12) consecutive month period and VOC emissions shall not exceed 1.20 pounds per ton of casting, equivalent to VOC emissions of less than forty (40.0) tons per year in order to make the requirements of 326 IAC 2-3 not applicable.

D.3.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the shakeout operation, known as EU 3-3, the sand handling operation, known as EU 3-4, the premix silo, known as EU 3-6, and the premix silo, known as EU 3-9, and their control devices.

Compliance Determination Requirements

D.3.6 Particulate Matter (PM)

(a) In order to comply with Conditions D.3.1 and D.3.2, the baghouses for PM control shall be in operation and control emissions from the shakeout operation, known as EU 3-3 and the sand handling operation, known as EU 3-4, at all times that the shakeout and sand handling processes are in operation.

(b) In order to comply with Conditions D.3.1 and D.3.3, the bin vent filter for PM control shall be functional and control emissions from the premix silo, known as EU 3-6, at all times that the premix silo is in operation.

(c) In order to comply with Condition D.3.3, the bin vent filter for PM control shall be functional and control emissions from the premix silo, known as EU 3-9 at all times that the premix silo is in operation.

D.3.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Within 36 months after issuance of this permit in order to demonstrate compliance with Condition D.3.2(b)(1), the Permittee shall perform PM testing of the sand handling operation (EU 3-4) exhausting through Stack 51 utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

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

D.3.8 Visible Emissions Notations

(a) Visible emission notations of the shakeout operation, known as EU 3-3, the sand handling operation, known as EU 3-4 and the premix silos, known as EU 3-6 and EU 3-9, Stack exhausts 44, 51, 38 and 59 shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

(d) A trained employee is an employee who has worked at the plant at least one (1) month and

has been trained in the appearance and characteristics of normal visible emissions for that specific process.

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

D.3.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses used in conjunction with the shakeout and sand handling operations, known as EU 3-3 and EU 3-4 at least once per shift when shakeout and sand handling are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouses are outside the normal range of 2.0 and 8.0 inches of water, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

D.3.10 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the shakeout and sand handling operations when venting to the atmosphere. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.3.11 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.3.12 Record Keeping Requirements

(a) To document compliance with Condition D.3.1(c), the Permittee shall maintain records of the total throughput of sand to the premix silo, known as EU 3-6, as well as to EU 2-5, EU 7-6 and EU 7-7 combined on a monthly basis.

(b) To document compliance with Condition D.3.2(b)(2)(B), the Permittee shall maintain records of the throughput of sand in the sand handling system, known as EU 3-4 on a monthly basis.

(c) To document compliance with Condition D.3.4, the Permittee shall maintain records of the iron castings throughput to the shakeout operation, known as EU 3-3 on a monthly basis.

(d) To document compliance with Condition D.3.8, the Permittee shall maintain records of visible emission notations of the Stack exhausts 44, 51, 38 and 59 once per shift when operating normally, during daylight hours.

(e) To document compliance with Condition D.3.9, the Permittee shall maintain once per shift records of the total static pressure drop during normal operation when venting to the atmosphere.

(f) To document compliance with Condition D.3.10, the Permittee shall maintain records of the results of the inspections required under Condition D.3.10 and the dates the vents are redirected.

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

D.3.13 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.3.1(c), D.3.2(b)(2)(B) and D.3.5 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.4 FACILITY CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Middle Foundry Operations - Department 30

(t) One (1) Hunter molding, pouring and cooling line, consisting of a molding station, a pouring station, and a cooling conveyor, known as EU 4-1, installed in 1992, with only the molding unit, replaced in December 2000. The emissions from the pouring and cooling operations are controlled by a baghouse, known as Middle Foundry B/H, exhausted to Stack 46, capacity: 7.5 tons of molten iron per hour.

(u) One (1) Sinto molding, pouring and cooling line, consisting of a molding station, a pouring station, and a cooling area, known as the Small Sinto, EU 4-2a and EU 4-2b, both installed in 1974, replaced in 1998. The emissions from the pouring operations (EU 4-2a) released to the general building ventilation, cooling operations (EU 4-2b), equipped with a baghouse, known as Middle Foundry B/H, exhausted to Stack 46, capacity: 6.0 tons of molten iron per hour, each.

(v) One (1) shakeout operation, known as EU 4-3, installed in 1951, equipped with a baghouse, known as Middle Foundry B/H, exhausted to Stack 46, capacity: 15.0 tons of iron casting per hour.

(w) One (1) sand handling operation, known as EU 4-4, installed before 1974, equipped with a baghouse, known as Middle Foundry B/H, exhausted to Stack 46, capacity: 70.0 tons of sand per hour.

(x) One (1) new sand feed hopper, known as EU 4-5, installed before 1974, released to the general building ventilation, throughput capacity: 2.1 tons of sand per hour, storage capacity: 2.0 tons of sand.

(y) One (1) Sinto molding, pouring and cooling line, consisting of a molding station, a pouring station, and a cooling area, known as the Large Sinto, EU 4-7. The emissions from the pouring and cooling operations, are controlled by a baghouse, known as Middle Foundry B/H, for PM control, exhausted to Stack 46, installed in 2001, capacity: 8.0 tons of molten iron per hour.

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

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

D.4.1 Particulate Matter (PM) [326 IAC 6-1]

Pursuant to 326 IAC 6-1 (Nonattainment area limitations), the allowable particulate matter (PM) emission rates from the following emission units shall not exceed:

(a) 0.03 grains per dry standard cubic foot of outlet air from the Hunter pouring and cooling operations, known as EU 4-1, the Sinto cooling line operation, known as EU 4-2b, the shakeout operation, known as EU 4-3, the sand handling operation, known as EU 4-4, and the Sinto pouring and cooling operation, known as EU 4-7, exhausted to Stack 46, equivalent to 10.4 pounds per hour at a flow rate of 40,500 dry standard cubic feet per minute.

(b) 0.03 grains per dry standard cubic foot of outlet air from the new sand feed hopper, known as EU 4-5, and the Sinto pouring operations, known as EU 4-2a, both released to the Middle Foundry general ventilation.

D.4.2 Particulate Matter (PM) [326 IAC 2-2]

(a) In order to render the requirements of 326 IAC 2-2 not applicable for emissions from the Hunter pouring and cooling operations, known as EU 4-1, the Sinto cooling operation, known as EU 4-2b and the Sinto pouring and cooling line operation, known as EU 4-7:

(1) The particulate matter (PM) emission rate from the Middle Foundry baghouse Stack 46 shall not exceed 0.03 grains per dry standard cubic foot of outlet air, equivalent to 10.4 pounds per hour at a flow rate of 40,500 dry standard cubic feet per minute, and

(2) The PM_{10} emission rate from the Middle Foundry baghouse Stack 46 shall not exceed 0.03 grains per dry standard cubic foot of outlet air, equivalent to 10.4 pounds per hour at a flow rate of 40,500 dry standard cubic feet per minute.

(b) In order to render the requirements of 326 IAC 2-2 not applicable the throughput of metal to the Sinto pouring and cooling line, known as EU 4-2a and EU 4-2b, shall be limited to less than 19,240 tons per twelve (12) consecutive month period with compliance determined at the end of each month, equivalent to PM emissions from pouring of less than a total of 27.0 tons per year and equivalent to PM_{10} emissions of less than a total of 13.25 tons per year. Total PM emissions from the Sinto are limited to 37.5 tons per year and total PM_{10} emissions are limited to 18.4 tons per year.

D.4.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the Hunter pouring and cooling line, known as EU 4-1, Sinto cooling line, known as EU 4-2b, the shakeout operation, known as EU 4-3, the sand handling operation, known as EU 4-4, and Sinto pouring and cooling line, known as EU 4-7 and any control devices.

Compliance Determination Requirements

D.4.4 Particulate Matter (PM)

In order to comply with Conditions D.4.1 and D.4.2, the baghouse for PM control shall be in operation and control pouring and cooling emissions from the Hunter molding, pouring, and cooling line, known as EU 4-1, emissions from the Sinto cooling operation, known as EU 4-2b, the shakeout operation, known as EU 4-3, the sand handling operation, known as EU 4-4, and pouring and cooling emissions from the Sinto molding, pouring and cooling line, known as EU 4-7, at all times that the molding, pouring, and cooling lines, shakeout and sand handling processes are in operation.

D.4.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Within 180 days after issuance of this permit in order to demonstrate compliance with Conditions D.4.1(a) and D.4.2, the Permittee shall perform PM and PM_{10} testing of the Middle Foundry baghouse exhaust, Stack 46, controlling emissions from Hunter pouring and cooling operations, known as EU 4-1, Sinto cooling operation, known as EU 4-2b, the shakeout operation, known as EU 4-3, the sand handling operation, known as EU 4-4, and Sinto pouring and cooling operations, known as EU 4-7, as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C- Performance Testing. All associated facilities exhausting to a single stack shall be operating when determining compliance with the overall limits.

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

D.4.6 Visible Emissions Notations

(a) Visible emission notations of the Hunter molding, pouring and cooling line, known as EU 4-1, Sinto molding and cooling line, known as EU 4-2b, the shakeout operation, known as EU 4-3, the sand handling operation, known as EU 4-4, and Sinto molding, pouring and cooling line, known as EU 4-7, Stack exhaust 46 shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

D.4.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the Hunter pouring and cooling operations, known as EU 4-1, Sinto cooling operation, known as EU 4-2b, the shakeout operation, known as EU 4-3, the sand handling operation, known as EU 4-4, and Sinto pouring and cooling operations, known as EU 4-7, at least once per shift when these processes are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

D.4.8 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the Hunter pouring and cooling operations, known as EU 4-1, Sinto cooling operation, known as EU 4-2b, the shakeout operation, known as EU 4-3, the sand handling operation, known as EU 4-4, and Sinto pouring and cooling operations, known as EU 4-7, when venting to the atmosphere. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.4.9 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.4.10 Record Keeping Requirements

(a) To document compliance with Condition D.4.2, the Permittee shall maintain records of the throughput of metal to EU 4-2a and EU 4-2b.

(b) To document compliance with Condition D.4.6, the Permittee shall maintain records of visible emission notations of the Stack exhaust 46 once per shift when operating normally, during daylight hours.

(c) To document compliance with Condition D.4.7, the Permittee shall maintain once per shift records of the total static pressure drop during normal operation when venting to the atmosphere.

(d) To document compliance with Condition D.4.8, the Permittee shall maintain records of the results of the inspections required under Condition D.4.8 and the dates the vents are redirected.

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

D.4.11 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.4.2 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.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Cleaning and Finishing Operations - Department 29

Cleaning and Finishing Operations - Department 29

(z) Three (3) mechanical blasters (wheel blast installed in 1971, rail blast installed in 1985 and #1 spinner hanger installed in 1970), known as EU 5-1 (also known as point 37P), equipped with a baghouse, known as Wheelabrator B/H, exhausted to Stack 43, capacity: 20.0 tons of shot per hour, total and 9.0 tons of metal per hour total.

(aa) One (1) foundry paint booth, known as EU 5-2, equipped with airless assisted spray applicators, equipped with dry filters for overspray control, installed before 1968, exhausted to Stack 100, capacity: 5.0 gallons of paint per hour.

(bb) One (1) grinding operation, known as EU 5-3 (also known as point 32P), installed before 1974, consisting of a small side grinding area with eleven (11) grinders, equipped with a central baghouse, known as grinding baghouse, exhausted to Stack 42, and a large side grinding area with eleven (11) grinding booths, booths 1 - 7, controlled by the grinding baghouse, booths 8 and 9, equipped with a cyclone, exhausted to Stack 16A, and booths 10 and 11, equipped with a Torit baghouse, exhausted to Stack 16, capacity: 13.65 tons of castings per hour.

(cc) One (1) #2 Wheelabrator spinner hanger mechanical blaster, known as EU 5-4, installed in 1974 and replaced in 1991, equipped with a baghouse, known as #2 Spinner hanger B/H, exhausted to Stack 5, capacity: 2.0 tons of steel shot per hour and 4.5 tons of metal per hour.

(dd) Two (2) Tumblast mechanical blasters, known as EU 5-6, installed before 1968, equipped with a baghouse, known as Tumblast B/H, exhausted to Stack 45, capacity: 2.0 tons per hour of steel shot, total and 4.5 tons of metal per hour.

(ee) Miscellaneous solvent usage, known as EU 6-5, installed before 1968, released to the general building ventilation, capacity: 0.005 ton per hour of Stoddard solvent.

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

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

D.5.1 PSD Minor Limit [326 IAC 2-2]

(a) Pursuant CP 141-4010-00007, issued August 30, 1995:

(1) The PM emissions from the #2 Wheelabrator spinner hanger mechanical blaster, known as EU 5-4, shall be limited to 2.26 pounds per hour. Therefore, the requirements of 326 IAC 2-2 do not apply.

(2) The PM_{10} emissions from the #2 Wheelabrator spinner hanger mechanical blaster, known as EU 5-4, shall not exceed 3.42 pounds per hour. Therefore, the requirements of 326 IAC 2-2 do not apply.

(3) The opacity from the #2 Wheelabrator spinner hanger mechanical blaster, known as EU 5-4, shall not exceed ten percent (10%) for any six (6) minute average (24 readings taken in accordance with EPA Method 9, Appendix A). Compliance with this opacity limit shall also satisfy the opacity requirements of 326 IAC 5-1-2.

(b) The PM emissions from the rail blast mechanical blaster, known as EU 5-1, shall be limited to less than 5.70 pounds per hour. Therefore, the requirements of 326 IAC 2-2 do not apply.

(c) The PM_{10} emissions from the rail blast mechanical blaster, known as EU 5-1, shall be limited to less than 3.42 pounds per hour. Therefore, the requirements of 326 IAC 2-2 do not apply.

D.5.2 Particulate Matter (PM) [326 IAC 6-1-18]

(a) Pursuant to 326 IAC 6-1-18 (Nonattainment area particulate limitations: St. Joseph County), the allowable particulate matter (PM) emission rate from the three (3) mechanical blasters (wheel blast, rail blast and #1 spinner hanger), known as EU 5-1 exhausted to Stack 43 shall not exceed:

(1) 0.015 grains per dry standard cubic foot of outlet air, equivalent to 2.38 pounds per hour at a flow rate of 18,500 dry standard cubic feet per minute, and

(2) 5.5 tons per year.

(b) Pursuant to 326 IAC 6-1-18 (Nonattainment area particulate limitations: St. Joseph County), the allowable particulate matter (PM) emission rate from the grinding operation, known as EU 5-3, exhausted to Stack 42 shall not exceed:

(1) 0.001 grains per dry standard cubic foot of outlet air, equivalent to 0.231 pounds per hour at a flow rate of 27,000 dry standard cubic feet per minute, and

(2) 5.5 tons per year.

D.5.3 Particulate Matter (PM) [326 IAC 6-1]

(a) Pursuant to 326 IAC 6-1 (Nonattainment area limitations), the allowable particulate matter (PM) emission rates from booths 8 and 9 of EU 5-3, equipped with a cyclone, shall not exceed 0.03 grains per dry standard cubic foot of outlet air exhausted to Stack 16A, equivalent to 0.386 pounds per hour at a flow rate of 1,500 dry standard cubic feet per minute.

(b) Pursuant to 326 IAC 6-1 (Nonattainment area limitations), the allowable particulate matter (PM) emission rates from booths 10 and 11 of EU 5-3, equipped with a Torit baghouse, shall not exceed 0.03 grains per dry standard cubic foot of outlet air exhausted to Stack 16, equivalent to 0.771 pounds per hour at a flow rate of 3,000 dry standard cubic feet per minute.

(c) Pursuant to 326 IAC 6-1 (Nonattainment area limitations), the allowable particulate matter (PM) emission rates from the #2 Wheelabrator spinner hanger mechanical blaster, known as EU 5-4 shall not exceed 0.03 grains per dry standard cubic foot of outlet air exhausted to Stack 5, equivalent to 0.643 pounds per hour at a flow rate of 2,500 dry standard cubic feet per minute.

(d) Pursuant to 326 IAC 6-1 (Nonattainment area limitations), the allowable particulate matter (PM) emission rates from the two (2) Tumblast mechanical blasters, known as EU 5-6, shall not exceed 0.03 grains per dry standard cubic foot of outlet air, exhausted to Stack 45, equivalent to 2.57 pounds per hour at a flow rate of 10,000 dry standard cubic feet per minute.

(e) Pursuant to 326 IAC 6-1 (Nonattainment area limitations), the allowable particulate matter (PM) emission rate from the one (1) paint booth, known as EU 5-2, shall not exceed 0.03 grains per dry standard cubic foot of outlet air.

D.5.4 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of coating applied to metal in foundry paint booth, known as EU 5-2, shall be limited to 3.5 pounds of VOCs per gallon of coating less water, as delivered to the applicator for any calendar day, for extreme performance coatings.

Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

D.5.5 Hazardous Air Pollutants (HAPs) Limitations

(a) The worst case single HAP delivered to the coating applicators in the foundry paint booth, known as EU 5-2, including cleanup solvents shall be less than a total of ten (10) tons per twelve (12) consecutive month period with compliance determined at the end of each month, and

(b) The combination of HAPs delivered to the coating applicators in the foundry paint booth, known as EU 5-2, including cleanup solvents shall be less than a total of twenty-five (25) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(c) Compliance with these HAP emission limitations may render the future requirements of 40 CFR 63 Subpart B not applicable to the foundry paint booth, known as EU 5-2 depending on the specific applicability provisions of the specific rule.

D.5.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the three (3) mechanical blasters (wheel blast, rail blast and #1 spinner hanger), known as EU 5-1, the one (1) paint booth, known as EU 5-2, the grinding operation, known as EU 5-3, the #2 Wheelabrator spinner hanger mechanical blaster, known as EU 5-4 and the two (2) tumblast mechanical blasters, known as EU 5-6, and their control devices.

Compliance Determination Requirements

D.5.7 Particulate Matter (PM)

In order to comply with Conditions D.5.1, D.5.2 and D.5.3, the baghouses and cyclone for PM control shall be in operation and control emissions from the three (3) mechanical blasters (wheel blast, rail blast and #1 spinner hanger), known as EU 5-1, the grinding operation, known as EU 5-3, the #2 Wheelabrator spinner hanger mechanical blaster, known as EU 5-4, and the two (2) tumblast mechanical blasters, known as EU 5-6 at all times that these processes are in operation.

D.5.8 Volatile Organic Compounds (VOC)

Compliance with the VOC content and usage limitations contained in Condition D.5.4 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the “as supplied” and “as applied” VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.5.9 Particulate Matter (PM)

In order to comply with Condition D.5.3, the dry filters for PM control shall be in place and control emissions from the one (1) foundry paint booth, known as EU 5-2, at all times when the paint booth is in operation.

D.5.10 Hazardous Air Pollutants (HAPs)

Compliance with the HAPs usage limitations contained in Condition D.5.5 shall be determined using one (1) of the following:

(a) The manufacturer's certified product data sheet,

(b) The manufacturer's material safety data sheet, or

(c) Sampling and analysis, using any of the following test methods, as applicable:

(1) 40 CFR Part 60, Method 24, Appendix A, shall be used to measure the total volatile HAP content of the coating materials.

(2) 40 CFR Part 63, Method 311, Appendix A, shall be used to measure HAP content in coating materials by direct injection into a gas chromatography.

(3) Upon written application by the Permittee, the commissioner may approve an alternative test method.

When an MSDS, a certified product data sheet, or other document specifies a range of values, the values resulting in the greatest calculated HAP emissions shall be used for determining compliance with Condition D.5.5.

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

D.5.11 Visible Emissions Notations

(a) Visible emission notations of the three (3) mechanical blasters (wheel blast, rail blast and #1 spinner hanger), known as EU 5-1, the grinding operation, known as EU 5-3, the #2 Wheelabrator spinner hanger mechanical blaster, known as EU 5-4, and the two (2) tum-blast mechanical blasters, known as EU 5-6, Stack exhausts 43, 42, 16, 16A, 5 and 45 shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

D.5.12 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses used in conjunction with the three (3) mechanical blasters (wheel blast, rail blast and #1 spinner hanger), known as EU 5-1, the grinding operation, known as EU 5-3, the #2 Wheelabrator spinner hanger mechanical blaster, known as EU 5-4, and the two (2) tumblast mechanical blasters, known as EU 5-6 at least

once per shift when these processes are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouses are outside the normal range of 2.0 and 8.0 inches of water, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

D.5.13 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the three (3) mechanical blasters (wheel blast, rail blast and #1 spinner hanger), known as EU 5-1, the grinding operation, known as EU 5-3, the #2 Wheelabrator spinner hanger mechanical blaster, known as EU 5-4, and the two (2) tumblast mechanical blasters, known as EU 5-6 when venting to the atmosphere. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.5.14 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.5.15 Cyclone Inspections

An inspection shall be performed each calendar quarter of the cyclone controlling the grinding operation (EU 5-3) when venting to the atmosphere. Inspections are optional when venting to the indoors.

D.5.16 Cyclone Failure Detection

In the event that cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency

and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.5.17 Monitoring

(a) At the beginning of each shift that the foundry spray booth, known as EU 5-2, is used, inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the foundry paint booth, known as EU 5-2, Stack 100 while the paint booth is in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

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

D.5.18 Record Keeping Requirements

(a) To document compliance with Condition D.5.4, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC content limits established in Condition D.5.4.

(1) The VOC content of each coating material and solvent used.

(2) A log of the dates of use if compliance is based on a daily volume weighted average. The amount of coating material and solvent less water used on daily basis when necessary to calculate the volume weighted VOC content of the coatings used for each day.

(A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.

(b) To document compliance with Condition D.5.5, the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the HAPs usage limits established in Condition D.5.5.

(1) The amount and HAP content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents; and

(2) The weight of the worst single HAP and the combination of HAPs emitted for each compliance period.

(c) To document compliance with Condition D.5.11, the Permittee shall maintain records of visible emission notations of the Stack exhausts 43, 42, 5 and 45 once per shift when operating normally, during daylight hours.

(d) To document compliance with Condition D.5.12, the Permittee shall maintain once per shift records of the total static pressure drop during normal operation when venting to the atmosphere.

(e) To document compliance with Conditions D.5.13 and D.5.15, the Permittee shall maintain records of the results of the inspections required under Conditions D.5.13 and D.5.15 and the dates the vents are redirected.

(f) To document compliance with Conditions D.5.9 and D.5.17, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.

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

D.5.19 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.5.5 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.6 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Core Making Operations - Department 27

(ff) One (1) muller sand silo, known as EU 7-1, installed in prior to 1968, equipped with a static bin vent filter, connected to Stack 11, filling capacity: 20 tons of sand per hour, 900 standard cubic feet per minute flow rate, used only for truck deliveries.

(gg) One (1) iso-set core-making process, consisting of four (4) Gaylord core machines, known as EU 7-4a, installed in 1979, equipped with a counter current packed bed scrubber for SO_2 control, known as SO_2 scrubber, released to the general building ventilation, capacity: 4.5 tons of sand per hour, 126 pounds of iso-set resin per hour, and 67.5 pounds of SO_2 per hour.

(hh) One (1) Laempe LL 30 core machine, known as EU 7-4b, installed in 2000, equipped with a scrubber for SO_2 control, known as the Laempe scrubber, capacity: 3.0 tons of sand per hour, 84 pounds of epoxy resin per hour, and 45 pounds of SO_2 per hour.

(ii) One (1) pep-set core-making process, consisting of two (2) Palmer core machines, known as EU 7-5, installed in 1985, capacity: 13.0 tons of sand per hour, 313 pounds of pep-set per hour.

(jj) One (1) sand silo - Dept. 26 & 30 (South and Middle Foundries), known as EU 7-6, installed in 1979, equipped with a static bin vent filter, connected to Stack 58A, filling capacity: 20.0 tons of sand per hour, 900 standard cubic feet per minute flow rate, used only for truck deliveries.

(kk) One (1) sand silo - pepset/isoset, known as EU 7-7, installed in 1979, equipped with a static bin vent filter, connected to Stack 58, filling capacity: 20.0 tons of sand per hour, 900 standard cubic feet per minute flow rate, used only for truck deliveries.

(ll) Two (2) Shalco 315 core machines, known as EU 7-8, installed in 2001, equipped with an existing scrubber associated with the Laempe core machine, EU 7-4b for SO_2 control, exhausted in the core room, capacity: 5.0 tons of sand per hour, 140 pounds of epoxy resin per hour, and 75 pounds of SO_2 per hour, total.

(mm) The core room raw material handling system is a pneumatic transfer system that delivers sand from EU 7-7 to feed bins for EU 7-4a, EU 7-4b, EU 7-5 and EU 7-8, capacity: 9.0 tons of sand per hour total, 150 standard cubic feet per minute of conveying air. The conveying air for EU 7-5 is discharged through EU 7-6. The conveying air for EU 7-4a, EU 7-4b and EU 7-8 is discharged indoors through individual static bin vents, equipped with cartridge filters. EU 7-6 and EU 7-7 are connected to each other by a vent tube so that the static vents in each function in parallel, equipped with cartridge filters.

Combustion

(nn) Two (2) natural gas-fired boilers, known as EU 10-1 and EU 10-2, respectively, installed in 1968, exhausted to Stack 88 and Stack 88A, respectively, rated at 16.4 million British thermal units per hour, each.

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

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

D.6.1 PSD Minor Limits [326 IAC 2-2]

(a) The SO_2 emissions from the two (2) Shalco core machines, known as EU 7-8, and the Laempe core machine, known as EU 7-4b, permitted by SSM 141-12444, issued on October 16, 2000, shall not exceed a total of 9.13 pounds per hour, equivalent to less than forty (40) tons per twelve (12) consecutive month period and an overall minimum scrubber efficiency of 79.7%. Therefore, the requirements of 326 IAC 2-2 do not apply.

(b) The particulate matter (PM) emissions from the core room raw material handling system for the Laempe core machine, known as EU 7-4b and the two (2) Shalco core machines, known as EU 7-8, shall not exceed a total of 5.02 pounds per hour, equivalent to 22.0 tons per year. Compliance with this limit makes the requirements of 326 IAC 2-2 not applicable.

(c) The PM_{10} emissions from the core room raw material handling system for the Laempe core machine, known as EU 7-4b and the two (2) Shalco core machines, known as EU 7-8, shall not exceed a total of 3.08 pounds per hour, equivalent to 13.5 tons per year. Compliance with this limit makes the requirements of 326 IAC 2-2 not applicable.

(d) The total throughput of sand to sand silo - Dept. 26 & 30 (South and Middle Foundries), known as EU 7-6, the sand silo - pepset/isoset, known as EU 7-7, and to EU 2-5, and EU 3-6 combined shall not exceed 15,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(1) PM emissions from the sand silo - Dept. 26 & 30 (South and Middle Foundries), known as EU 7-6, and the sand silo - pepset/isoset, known as EU 7-7, shall not exceed 0.27 pounds of PM per ton of sand.

(2) PM_{10} emissions from the sand silo - Dept. 26 & 30 (South and Middle Foundries), known as EU 7-6, and the sand silo - pepset/isoset, known as EU 7-7, shall not exceed 0.27 pounds of PM_{10} per ton of sand.

Compliance with these limits renders the requirements of 326 IAC 2-2 not applicable.

D.6.2 VOC [326 IAC 8-1-6] [326 IAC 2-2]

(a) The VOC delivered to two (2) Shalco core machines, known as EU 7-8, and the Laempe core machine, known as EU 7-4b, shall be limited to less than a total of twenty-five (25) tons of VOC per twelve (12) consecutive month period with compliance determined at the end of each month. Compliance with this limit renders the requirements of 326 IAC 8-1-6 not applicable and also makes the requirements of 326 IAC 2-2 not applicable.

(b) The VOC delivered to the iso-set core making process, consisting of four (4) Gaylord core machines, EU 7-4a shall be limited to less than a total of forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month. Compliance with this limit makes the requirements of 326 IAC 2-3 not applicable.

D.6.3 Volatile Organic Compounds (VOCS) [326 IAC 2-2] [326 IAC 8-1-6]

(a) The VOC delivered to the pep-set core-making process, known as EU 7-5, consisting of two (2) Palmer core machines shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) Compliance with this limit makes the requirements of 326 IAC 2-2 and 326 IAC 8-1-6 not applicable.

D.6.4 Particulate Matter (PM) [326 IAC 6-1]

Pursuant to 326 IAC 6-1 (Nonattainment area limitations), the allowable particulate matter (PM) emission rates from the following emission units shall not exceed:

(a) 0.03 grains per dry standard cubic foot of outlet air from the muller sand silo, known as EU 7-1, exhausted to Stack 11, equivalent to 0.231 pounds per hour at a flow rate of 900 dry standard cubic feet per minute.

(b) 0.03 grains per dry standard cubic foot of outlet air from the sand silo - Dept. 26 & 30 (South and Middle Foundries), known as EU 7-6, exhausted to Stack 58A, equivalent to 0.360 pounds per hour at a flow rate of 1,400 dry standard cubic feet per minute.

(c) 0.03 grains per dry standard cubic foot of outlet air from the sand silo - pepset/isoset, known as EU 7-7, both exhausted to Stack 58, equivalent to 0.231 pounds per hour at a flow rate of 900 dry standard cubic feet per minute.

(d) 0.03 grains per dry standard cubic foot of outlet air from the core room raw material handling system associated with the iso-set core-making process, consisting of four (4) Gaylord core machines, known as EU 7-4a, the Laempe LL 30 core machine, known as EU 7-4b, the pep-set core making process, known as EU 7-5,consisting of two (2) Palmer core machines, and the two (2) Shalco core machines, known as EU 7-8.

(e) 0.01 grains per dry standard cubic foot of outlet air each from the two (2) natural gas-fired boilers, known as EU 10-1 and EU 10-2, respectively, exhausted to Stack 88 and Stack 88A, respectively.

D.6.5 Natural Gas

In order to demonstrate compliance with Condition D.6.4(e), the two (2) boilers, known as EU 10-1 and EU 10-2, shall burn only natural gas.

D.6.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the muller sand silo, known as EU 7-1, the iso-set core-making process, consisting of four (4) Gaylord core machines, known as EU 7-4a, the Laempe LL 30 core machine, known as EU 7-4b, the pep-set core-making process, known as EU 7-5, consisting of two (2) Palmer core machines, the sand silo - Dept. 26 & 30 (South and Middle Foundries), known as EU 7-6, the sand silo - pepset/isoset, known as EU 7-7, and the two (2) Shalco core machines, known as EU 7-8, and their control devices.

Compliance Determination Requirements

D.6.7 Particulate Matter (PM)

(a) In order to comply with Condition D.6.4, the static bin vent filters for PM control shall be functional and control emissions from the muller sand silo, known as EU 7-1, the sand silo - Dept. 26 & 30 (South and Middle Foundries), known as EU 7-6, and the sand silo - pepset/ isoset, known as EU 7-7, at all times that these processes are in operation.

(b) In order to comply with Condition D.6.4, the bin vent cartridge filters for PM control shall be functional and control emissions from the core room raw material handling system at all times that the core room raw material handling system is in operation.

D.6.8 Sulfur Dioxide (SO_2)

In order to comply with Condition D.6.1, the scrubbers for SO_2 control shall be in operation and control emissions from the (1) iso-set core-making process, consisting of four (4) Gaylord core

machines, known as EU 7-4a as well as the Laempe LL 30 core machine, known as EU 7-4b and two (2) Shalco core machines, known as EU 7-8, at all times that the core machines are in operation.

D.6.9 Testing Requirements [326 IAC 2-7-6(1,6)] [326 IAC 2-1.1-11]

Within 180 days after re-directing the scrubber exhaust to the outside atmosphere associated with Laempe LL 30 core machine, known as EU 7-4b and the two (2) Shalco core machines (EU 7-8), in order to demonstrate compliance with Condition D.6.1(a), the Permittee shall perform SO_2 testing of the emission rate and scrubber efficiency utilizing Method 6 (40 CFR 60, Appendix A) for SO_2, or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

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

D.6.10 Scrubber Parametric Monitoring

The Permittee shall record the total static pressure drop across the scrubbers used in conjunction when any of the seven (7) core machines using the iso-set core-making process consisting of four (4) Gaylord core machines, known as EU 7-4a, the Laempe LL 30 core machine, known as EU 7-4b and the two (2) Shalco core machines, known as EU 7-8, at least once per shift when any of the core machines are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the scrubbers are outside the normal range of 2.0 and 8.0 inches of water, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

D.6.11 pH of the Scrubbing Liquor

The Permittee shall record the pH of the scrubbing liquor used in conjunction with the iso-set process consisting of four (4) Gaylord core machines, known as EU 7-4a, the Laempe LL 30 core machine, known as EU 7-4b and the two (2) Shalco core machines, known as EU 7-8, at least once per shift when the core machines are in operation when venting to the atmosphere. When for any one reading, the pH of the scrubbing liquor is outside the normal range of 9.0 and 14.0, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pH reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

D.6.12 Scrubber Flow Switches

The Permittee shall equip the flow switches with an interlock mechanism that shuts down the emission unit(s) automatically when the scrubber flow is below the minimum specified by the manufacturer. The Permittee shall record whether or not the scrubber flow switches used in conjunction with the two (2) scrubbers controlling SO_2 emissions from the iso-set process, consisting of four (4) Gaylord core machines, known as EU 7-4a, the Laempe LL 30 core machine, known as EU 7-4b

and the two (2) Shalco core machines, known as EU 7-8, are operating properly at least once per month. When for any one reading, the scrubber flow switch is not operating properly, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A nonoperating scrubber flow switch is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.6.13 Scrubber Inspection

An inspection shall be performed each calendar quarter of the scrubbers. Defective scrubber part(s) shall be replaced. Inspections required by this condition shall not be performed in consecutive months. A record shall be kept of the results of the inspection.

D.6.14 Failure Detection

In the event that a scrubber failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section C).

D.6.15 Visible Emissions Notations

(a) Visible emission notations of the muller sand silo, known as EU 7-1, sand silo - Dept. 26 & 30, known as EU 7-6, sand silo - pepset/isoset, known as EU 7-7 Stack exhausts 11, 58A, and 58 and the individual bin vent filters associated with the conveying air for EU 7-4a, EU7-4b and EU 7-8 shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

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

D.6.16 Record Keeping Requirements

(a) To document compliance with Condition D.6.1(b), the Permittee shall maintain records of the total throughput of sand to the sand silo - Dept. 26 & 30 (South and Middle Foundries), known as EU 7-6, the sand silo - pepset/isoset, known as EU 7-7, as well as to EU 2-5 and EU 3-6 on a monthly basis.

(b) To document compliance with Conditions D.6.2(a) and D.6.2(b), the Permittee shall maintain records of the amount of each resin and the VOC content of each resin in order to

determine the VOC delivered to the two (2) Shalco core machines, known as EU 7-8, the Laempe LL 30 core machine, known as EU 7-4b and the iso-set core-making process, consisting of four (4) Gaylord core machines, known as EU 7-4a, on a monthly basis.

(c) To document compliance with Condition D.6.3, the Permittee shall maintain records of the amount of each resin and the VOC content of each resin in order to determine the VOC delivered to the pep-set core making process, known as EU 7-5, consisting of two (2) Palmer core machines, on a monthly basis.

(d) To document compliance with Condition D.6.11, the Permittee shall maintain the records of the pH of the scrubber liquor used in conjunction with the iso-set core making process consisting of four (4) Gaylord core machines, known as EU 7-4a, the Laempe LL 30 core machine, known as EU 7-4b and the two (2) Shalco core machines once per shift.

(e) To document compliance with Condition D.6.12, the Permittee shall maintain the records of the status of the flow switches used in conjunction with two (2) scrubbers controlling SO_2 emissions from the iso-set core making process, consisting of four (4) Gaylord core machines, known as EU 7-4a, the Laempe LL 30 core machine, known as EU 7-4b and the two (2) Shalco core machines once per month.

(f) To document compliance with Condition D.6.13, the Permittee shall maintain records of the results of the inspections required under Condition D.6.13.

(g) To document compliance with Condition D.6.15, the Permittee shall maintain records of visible emission notations of the Stack exhausts 11, 58A, and 58 and the individual bin vent filters associated with the conveying air for EU 7-4a, EU7-4b and EU 7-8 once per shift when operating normally, during daylight hours.

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

D.6.17 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.6.1(b), D.6.2(a) and D.6.3 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.7 FACILITY OPERATION CONDITIONS

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

(a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. (326 IAC 6-1)

(b) 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 cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. (326 IAC 6-1)

(c) Other activities or categories not previously identified with emissions equal to or less than the insignificant thresholds of five (5) pounds per hour or twenty-five (25) pounds per day for PM, SO_2, and/or NO_X, three (3) pounds per hours or fifteen (15) pounds per day for VOC, twenty-five (25) pounds per day for CO or 0.6 tons per year or 3.29 pounds per day of lead:

(1) Powder coating, equipped with dry filters, capacity: 255 units per hour. (326 IAC 6-1)

(2) Holding furnace, known as Ajax. (326 IAC 6-1)

(3) Rod furnace. (326 IAC 6-1)

(d) Asbestos abatement projects regulated by 326 IAC 14-10.

(e) Natural gas-fired combustion source with heat input equal to or less than ten million (10,000,000) British thermal units per hour: One (1) burn-off oven with an integral afterburner, rated at 0.4 million British thermal units per hour. This burn-off oven is designed for removing excess coatings from paint line fixtures and parts to be coated and is not to be used for any other purpose. (326 IAC 4-2)

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

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

D.7.1 Particulate Matter (PM) [326 IAC 6-1]

Pursuant to 326 IAC 6-1, the particulate matter (PM) emissions from the brazing, cutting, soldering, welding, grinding, machining and powder coating operations as well as the holding and rod furnaces shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.7.2 Incinerator [326 IAC 4-2]

Pursuant to 326 IAC 4-2-2 (Incinerators: requirements), the one (1) natural gas fired burn-off oven shall:

(a) Consist of primary and secondary chambers or the equivalent;

(b) Comply with 326 IAC 5-1 and 326 IAC 2;

(c) Be maintained properly as specified by the manufacturer;

(d) Be operated according to the manufacturer's recommendations;

(e) Be operated so that emissions of noxious odors are prevented (not federally enforceable);

(f) Not emit particulate matter in excess of five-tenths (0.5) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas at standard conditions corrected to fifty percent (50%) excess air; and

(g) Not create a nuisance or a fire hazard.

If any of the above result, the burning shall be terminated immediately.

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

D.7.3 Particulate Matter (PM)

Pursuant to CP 141-5749-00007, issued July 17, 1996, the dry filters shall be in operation at all times when the powder coating is in operation.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007

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

Please check what document is being certified:

Annual Compliance Certification Letter

Test Result (specify) _____

Report (specify) _____

Notification (specify) _____

Affidavit (specify) _____

Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007

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

9 This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.

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

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

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facilities: Three (3) Electric Induction Furnaces (EU 1-1)
Parameter: Gray and Ductile Iron Melted
Limit: 83,333 tons per twelve (12) consecutive month period with compliance determined at the end of each month, equivalent to 37.5 tons of PM per year.

YEAR: _____

Month	Gray and Ductile Iron Melted (tons)	Gray and Ductile Iron Melted (tons)	Gray and Ductile Iron Melted (tons)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facilities: Premix silo (EU 2-5), premix silo (EU 3-6), sand silo - Dept. 26 & 30 (South and Middle Foundries) (EU 7-6) and sand silo - pepset/isoset (EU 7-7)
Parameter: Sand Handled
Limit: Total of 15,000 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Sand Handled (tons)	Sand Handled (tons)	Sand Handled (tons)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facility: East Foundry Sand Handling Operation (EU 2-4)
Parameter: Sand Handled
Limit: Total 150,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month, equivalent to 2.70 tons of PM per year.

YEAR: _____

Month	Sand Handled (tons)	Sand Handled (tons)	Sand Handled (tons)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facility: Shakeout Operation (EU 2-3)
Parameter: Castings
Limit: Total 25,000 tons of castings per twelve (12) consecutive month period with compliance determined at the end of each month, equivalent to 0.40 tons of PM per year.

YEAR: _____

Month	Castings (tons)	Castings (tons)	Castings (tons)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facility: Shakeout Operation (EU 3-3)
Parameter: Iron Castings
Limit: Less than 66,666 tons per twelve (12) consecutive month period, equivalent to less than 40.0 tons of VOC per year.

YEAR: _____

Month	Iron Castings (tons)	Iron Castings (tons)	Iron Castings (tons)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facility: South Foundry Sand Handling Operation (EU 3-4)
Parameter: Sand Handled
Limit: 373,737 tons per twelve (12) consecutive month period with compliance determined at the end of each month, equivalent to 6.66 tons of PM per year.

YEAR: _____

Month	Sand Handled (tons)	Sand Handled (tons)	Sand Handled (tons)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facilities: Sinto Molding, Pouring and Cooling, EU 4-2a and EU-4b
Parameter: Metal Throughput
Limit: Less than 19,240 tons of metal per twelve (12) consecutive month period with compliance determined at the end of each month, equivalent to less than a total of 27.0 tons of PM per year from pouring and less than a total of 13.25 tons of PM_{10} per year.

YEAR: _____

Month	Metal Throughput (tons)		Metal Throughput (tons)		Metal Throughput (tons)	
	This Month EU 4-2a	This Month EU 4-2b	Previous 11 Months EU 4-2a	Previous 11 Months EU 4-2b	12 Month Total EU 4-2a	12 Month Total EU 4-2b

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facility: Foundry paint booth, known as EU 5-2
Parameter: Worst Case Single HAP Delivered to the Applicators
Limit: Less than ten (10) tons of a single HAP per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Month	Single HAP (tons)	Single HAP (tons)	Single HAP (tons)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facility: Foundry paint booth, known as EU 5-2
Parameter: Combination of HAPs Delivered to the Applicators
Limit: Less than twenty-five (25) tons of the combination of HAPs per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Month	Combination of HAPs (tons)	Combination of HAPs (tons)	Combination of HAPs (tons)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facilities: Laempe (EU 7-4b) and Two (2) Shalco Core Machines (EU 7-8)
Parameter: VOC Delivered to the Core Machines (VOC delivered is the sum of the product of the VOC content of each resin times the amount of that resin used)
Limit: Less than a total of twenty-five (25) tons of VOC per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR: _____

Month	VOC Delivered (tons)	VOC Delivered (tons)	VOC Delivered (tons)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facilities: Four (4) Gaylord Core Machines (EU 7-4a)
Parameter: VOC Delivered to the Core Machines (VOC delivered is the sum of the product of the VOC content of each resin times the amount of that resin used)
Limit: Less than a total of forty (40) tons of VOC per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR: _____

Month	VOC Delivered (tons)	VOC Delivered (tons)	VOC Delivered (tons)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007
Facility: Pep-Set Core-Making Process (EU 7-5)
Parameter: VOC delivered to the applicators of the pep-set core making process (VOC delivered is the sum of the product of the VOC content of each resin times the amount of that resin used)
Limit: Less than twenty-five (25) tons of VOC per twelve (12) consecutive month period with compliance determined at the end of each month (VOC delivered is the product of the VOC content of each resin times the amount of that resin used)

YEAR: _____

Month	VOC Delivered (tons)	VOC Delivered (tons)	VOC Delivered (tons)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: RMG Foundry, LLC d/b/a RMG Foundry
Source Address: 500 South Union Street, Mishawaka, Indiana 46544
Mailing Address: 500 South Union Street, Mishawaka, Indiana 46544
Part 70 Permit No.: T 141-6087-00007

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

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

Deviation has been reported on: ______________________

Submitted by: ______________________________________

Title/Position: ______________________________________

Signature: ______________________________________

Date: ______________________________________

Phone: ______________________________________

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the Technical Support Document for a Minor Permit Modification to a Part 70 Operating Permit

Source Name:	**RMG Foundry, LLC d/b/a RMG Foundry**
Source Location:	**500 South Union Street**
County:	**St. Joseph**
Operation Permit No.:	**T 141-6087-00007**
Minor Permit Modification No.:	**141-19019-00007**
SIC Code:	**3321**
Permit Reviewer:	**Mark L. Kramer**

On June 17, 2004, the Office of Air Quality (OAQ) had a notice published in the South Bend Tribune, South Bend, Indiana, stating that RMG Foundry, LLC d/b/a RMG Foundry had applied for a Minor Permit Modification to a Part 70 Operating Permit to operate a new premix silo controlled by a static bin vent filter. The notice also stated that OAQ proposed to issue a Minor Permit Modification and provided information on how the public could review the proposed Minor Permit Modification and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this Minor Permit Modification to a Part 70 Operating Permit should be issued as proposed.

Upon further review, the OAQ has decided to make the following changes to the Minor Permit Modification to a Part 70 Operating Permit: The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language is **bolded)**:

Change 1:

On April 15, 2004, the United States Environmental Protection Agency (U.S. EPA) named 23 Indiana counties and one partial county nonattainment for the new 8-hour ozone standard. The designations became effective on June 15, 2004. St. Joseph County has been designated as nonattaiment for the 8-hour ozone standard. The following has been added to A.1 General Information:

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 gray and ductile iron foundry source.

Responsible Official:	Tom Jones
Source Address:	500 South Union Street, Mishawaka, Indiana 46544
Mailing Address:	500 South Union Street, Mishawaka, Indiana 46544
General Source Phone:	219-256-4330
SIC Code:	3321
County Location:	St. Joseph
Source Location Status:	**Nonattainment for ozone under the 8-hour standard** Attainment for all **other** criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules **and Nonattainment NSR** Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

Although the TSD itself will not be revised as it is a historical document and the TSD was correct at the time of public notice, the following is being provided to show how the county attainment status has been affected as a result of the 8-hour ozone standard designations. The county attainment status regarding other pollutants remain unchanged; therefore will not be shown below other than in the table.

County Attainment Status

The source is located in St. Joseph County.

Pollutant	Status
PM_{10}	attainment
SO_2	attainment
NO_2	attainment
1-hour Ozone	attainment
8-hour Ozone	basic nonattainment
CO	attainment
Lead	attainment

~~(a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to ozone. St. Joseph County has been designated as attainment or unclassifiable for the ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.~~

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

Change 2:

Condition B.24 has been revised to correct the name of the section to contact regarding annual fee payments as shown below:

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 (BLT)** ~~I/M and Billing Section~~), to determine the appropriate permit fee.

Change 3:

In accordance with the credible evidence rule (62 Fed. Reg. 8314, Feb 24, 1997); Section 113(a) of the Clean Air Act, 42 U.S. C. § 7413 (a); and a letter from the United States Environmental Protection Agency (USEPA) to IDEM, OAQ dated May, 18 2004, all permits must address the use of credible evidence; otherwise, USEPA will object to the permits. The following language will be incorporated into the permit to address credible evidence:

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

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

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for Part 70
Minor Source and Minor Permit Modifications

Source Background and Description

Source Name:	**RMG Foundry, LLC d/b/a RMG Foundry**
Source Location:	**500 South Union Street, Mishawaka, IN 46544**
County:	**St. Joseph**
SIC Code:	**3321**
Operation Permit No.:	**T 141-6087-00007**
Operation Permit Issuance Date:	**August 28, 2003**
Minor Source Modification No.:	**141-18744-00007**
Minor Permit Modification No.:	**141-19019-00007**
Permit Reviewer:	**Mark L. Kramer**

The Office of Air Quality (OAQ) has reviewed a modification application from RMG Foundry, LLC d/b/a RMG Foundry relating to the construction and operation of the following emission unit and pollution control device:

South Foundry Operations - Department 26

(s) One (1) premix silo, known as EU 3-9, equipped with a static bin vent filter, installed in 2004, connected to Stack 59, throughput capacity: 5.0 tons of premix per hour, storage capacity: 35 tons of premix.

History

RMG Foundry, LLC d/b/a RMG Foundry was issued a permit on August 28, 2003 for a stationary gray and ductile iron foundry source. A letter requesting a change was received on March 29, 2004. At that time, RMG Foundry, LLC d/b/a RMG Foundry had requested to physically relocate a permitted emission unit at the source. Specifically, RMG Foundry requested to relocate the one (1) premix silo (EU 2-5) to the South Foundry Department 26. On April 22, 2004, RMG Foundry revised its request to retain the existing premix silo (EU 2-5) in the East Foundry and add a new premix silo to the South Foundry. Therefore, instead of an Administrative Amendment to relocate an existing silo, a minor source modification is required to construct the proposed silo and a minor permit modification is required to operate the proposed silo.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (EF)
59	Premix Silo (EU 3-9)	23	2.26	900	ambient

Recommendation

The staff recommends to the Commissioner that the Part 70 Minor Significant Source Modification be approved. This recommendation is based on the following facts and conditions:

An application for the purposes of this review was received on March 29, 2004. Additional information was received on April 22, 2004.

Emission Calculations

See page 1 of 1 of Appendix A of this document for detailed emissions calculations.

Potential To Emit of Modification

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

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	**Potential To Emit** (tons/year)
PM	5.91
PM_{10}	5.91
SO_2	-
VOC	-
CO	-
NO_X	-

HAPs	**Potential To Emit** (tons/year)
None	0.00

Justification for Modification

The Part 70 Operating Permit is being modified through a Part 70 Minor Source Modification. This modification is being performed pursuant to 326 IAC 2-7-10.5(d)(4)(A). The proposed operating conditions shall be incorporated into the Part 70 Operating Permit as a Minor Permit Modification (MPM 141-19019-00007) in accordance with 326 IAC 2-7-12(b)(1). The Minor Permit Modification will give the source approval to operate the proposed emission unit.

County Attainment Status

The source is located in St. Joseph County.

Pollutant	Status
PM_{10}	attainment
SO_2	attainment
NO_2	attainment
Ozone	attainment
CO	attainment
Lead	attainment

(a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. St. Joseph County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) St. Joseph County has been classified as attainment or unclassifiable for all remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(c) Fugitive Emissions
Since this type of operation is one of the 28 listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive PM emissions are counted toward determination of PSD and Emission Offset applicability.

Source Status

Existing Source PSD or Emission Offset Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	884
PM_{10}	546
SO_2	51.2
VOC	371
CO	52.2
NO_X	60.9

(a) This existing source is a major stationary source because an attainment regulated pollutant is emitted at a rate of one hundred (100) tons per year or more, and it is one of the 28 listed source categories.

(b) These emissions are based upon the Technical Support Document for the issued Part 70 Operating Permit, T 141-6087-00007.

Potential to Emit of Modification After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 source modification.

Pollutant	**PM** (tons/yr)	**PM_{10}** (tons/yr)	**SO_2** (tons/yr)	**VOC** (tons/yr)	**CO** (tons/yr)	**NO_X** (tons/yr)
Proposed Modification	0.065	0.065	0.00	0.00	0.00	0.00
Contemporaneous Increases	-	-	-	-	-	-
Contemporaneous Decreases	-	-	-	-	-	-
Net Emissions	0.065	0.065	0.00	0.00	0.00	0.00
PSD Significant Level	25	15	40	40	100	40

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability

Because the federal CAM rule only applies to significant permit modifications relating to a large pollutant-specific emissions unit, this rule is not applicable to this minor permit modification.

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

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20, 40 CFR 61 and 40 CFR Part 63) applicable to this proposed modification.

State Rule Applicability - Individual Facilities

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This modification is a minor PSD modification to a major existing PSD source.

326 IAC 6-1 (Nonattainment area limitations)

Since St. Joseph County is listed in this rule and the potential PM emissions from this source are greater than one hundred (100) tons per year, the proposed premix silo, which is not specifically listed in 326 IAC 6-1-18, is subject to a PM emission rate limit not to exceed 0.03 grains per dry standard cubic foot of outlet air.

Stack 59 - Premix Silo (EU 3-9)

Pursuant to 326 IAC 6-1, particulate matter emissions from the Stack 59 shall not exceed 0.03 grains per dry standard cubic foot.

The potential PM emissions from EU 3-9 are 1.35 pounds per hour. The controlled captured PM emissions from EU 3-9 are 0.0135 pounds per hour.

The flow rate from the Stack 59 is 900 dry standard cubic feet per minute which is equivalent to:

0.0135 lbs/hr* 7,000 gr/1 lb * 1 hr/60 min / 900 dscfm = 0.002 gr/dscf

Therefore, EU 3-9 complies with the 0.03 grains per dry standard cubic foot of exhaust air limit of this rule. The premix silo bin vent filter shall be in operation at all times in order to comply with this rule.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

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

The applicable compliance monitoring requirements applicable to this premix silo is as follows:

(1) Visible emissions notations of the premix silo stack exhaust 59 shall be performed once per shift during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. 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. 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. 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. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

(2) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the bin vent filter for the premix silo must operate properly to ensure compliance with 326 IAC 6-1 and 326 IAC 2-7 (Part 70).

Proposed Changes

The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language appears in **bold**):

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:

South Foundry Operations - Department 26

(s) One (1) premix silo, known as EU 3-9, equipped with a static bin vent filter, installed in 2004, connected to Stack 59, throughput capacity: 5.0 tons of premix per hour, storage capacity: 35 tons of premix.

All remaining emission units have been re-lettered.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: South Foundry Operations - Department 26

(k) One (1) pinlift operation, consisting of a molding operation and a pouring area, known as EU 3-1, installed in 1959. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron per hour.

(l) One (1) slinger operation, consisting of a molding operation and a pouring area, known as EU 3-2, installed in 1959. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron per hour.

(m) One (1) shakeout operation, known as EU 3-3 (also known as point 34P), consisting of two (2) shakeout units, installed prior to 1970 and in 1979, equipped with a baghouse, known as South Foundry - Shakeout B/H, exhausted to Stack 44, capacity: 8.5 tons of iron castings per hour.

(n) One (1) sand handling operation, known as EU 3-4 (also known as point 33P), installed in 1959, equipped with a baghouse, known as South Foundry - Sand System B/H, exhausted to Stack 51, capacity: 60.0 tons of sand per hour.

(o) One (1) new sand bin/hopper, known as EU 3-5, installed in 1986, released to the general building ventilation, throughput capacity: 1.8 tons per hour of sand, storage capacity: 2.0 tons of sand.

(p) One (1) premix silo, known as EU 3-6, installed in 1979, equipped with a static bin vent filter, connected to Stack 38, throughput capacity: 6.0 tons of premix per hour, storage capacity: 35 tons of premix.

(q) One (1) North SPO operation, consisting of a molding operation and a pouring area, known as EU 3-7, installed in 1959. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron per hour.

(r) One (1) small pinlift operation, consisting of a molding operation and a pouring area, known as EU 2-2, installed in 1975. The pouring area emissions are released to the general building ventilation, capacity: 5.0 tons of molten iron castings per hour.

(s) One (1) premix silo, known as EU 3-9, equipped with a static bin vent filter, installed in 2004, connected to Stack 59, throughput capacity: 5.0 tons of premix per hour, storage capacity: 35 tons of premix.

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

All remaining emission units have been re-lettered in Sections D.4, D.5 and D.6.

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

D.3.3 Particulate Matter (PM) [326 IAC 6-1]

Pursuant to 326 IAC 6-1 (Nonattainment area limitations), the allowable particulate matter (PM) emission rates from the following emission units shall not exceed:

(a) 0.03 grains per dry standard cubic foot of outlet air from the premix silo, known as EU 3-6, exhausted to Stack 38, equivalent to 0.231 pounds per hour at a flow rate of 900 dry standard cubic feet per minute.

(b) 0.03 grains per dry standard cubic foot of outlet air from the pinlift and slinger pouring, and cooling operations, known as EU 3-1 and EU 3-2, the new sand bin/hopper, known as EU 3-5, the North SPO operation, known as EU 3-7 as well as the small pinlift operation, known as EU 2-2.

(c) 0.03 grains per dry standard cubic foot of outlet air from the premix silo, known as EU 3-9, connected to Stack 59, equivalent to 0.231 pounds per hour at a flow rate of 900 dry standard cubic feet per minute.

D.3.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the shakeout operation, known as EU 3-3, the sand handling operation, known as EU 3-4, ~~and~~ the premix silo, known as EU 3-6, **and the premix silo, known as EU 3-9,** and their control devices.

Compliance Determination Requirements

D.3.6 Particulate Matter (PM)

(a) In order to comply with Conditions D.3.1 and D.3.2, the baghouses for PM control shall be in operation and control emissions from the shakeout operation, known as EU 3-3**,** and the sand handling operation, known as EU 3-4, at all times that the shakeout, and sand handling processes are in operation.

(b) In order to comply with Condition**s D.3.1 and** D.3.3, the bin vent filter for PM control shall be functional and control emissions from the premix silo, known as EU 3-6 at all times that the premix silo is in operation.

(c) In order to comply with Condition D.3.3, the bin vent filter for PM control shall be functional and control emissions from the premix silo, known as EU 3-9 at all times that the premix silo is in operation.

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

D.3.8 Visible Emissions Notations

(a) Visible emission notations of the shakeout operation, known as EU 3-3, the sand handling operation, known as EU 3-4 and the premix silo**s**, known as EU 3-6 **and EU 3-9**, Stack exhausts 44, 51**,** ~~and~~ 38 **and 59** shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

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

D.3.12 Record Keeping Requirements

(a) To document compliance with Condition D.3.1(c), the Permittee shall maintain records of the total throughput of sand to the premix silo, known as EU 3-6, as well as to EU 2-5, EU 7-6 and EU 7-7 combined on a monthly basis.

(b) To document compliance with Condition D.3.2(b)(2)(B), the Permittee shall maintain records of the throughput of sand in the sand handling system, known as EU 3-4 on a monthly basis.

(c) To document compliance with Condition D.3.4, the Permittee shall maintain records of the iron castings throughput to the shakeout operation, known as EU 3-3 on a monthly basis.

(d) To document compliance with Condition D.3.8, the Permittee shall maintain records of visible emission notations of the Stack exhausts 44, 51**,** ~~and~~ 38 **and 59** once per shift when operating normally, during daylight hours.

(e) To document compliance with Condition D.3.9, the Permittee shall maintain once per shift records of the total static pressure drop during normal operation when venting to the atmosphere.

(f) To document compliance with Condition D.3.10, the Permittee shall maintain records of the results of the inspections required under Condition D.3.10 and the dates the vents are redirected.

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

Conclusion

The construction and operation of this proposed modification shall be subject to the conditions of the attached Part 70 Minor Source Modification No. 141-18744-00007 and the proposed Minor Permit Modification No. 141-19019-00007.

Appendix A: Potential Emission Calculations

Company Name: RMG Foundry, LLC d/b/a RMG Foundry
Address City IN Zip: 500 South Union Street, Mishawaka, Indiana 46544
MSM: 141-18744
MPM: 141-19019
Plt ID: 141-00007
Reviewer: Mark L. Kramer
Application Date: March 29, 2004

South Foundry Area **Department #26**

Emission Unit **EU 3-9 Premix Silo**
S/V: Stack 59 **900 cfm** Capture Efficiency 99.9%
Significant: PM10 > 25 lbs/day
c2004

Pollutant	Maximum Rate (tons/hr)	Emission Factor (lbs/tons)	Uncontrolled Emission Rate (lbs/hr)	Uncontrolled Emission Rate (tons/yr)	Collection Efficiency (%)	Controlled Emission Rate (lbs/hr)	Controlled Emission Rate (tons/yr)	Allowable Emission 326 IAC 6-1-2 (gr/dscf)
PM	5.0	0.270	1.35	5.91	99.0%	0.0148	0.0650	0.03
PM-10	5.0	0.270	1.35	5.91	99.0%	0.0148	0.0650	
SO2	5.0	0.00	0.00	0.00	0.0%	0.00	0.00	
NOx	5.0	0.00	0.00	0.00	0.0%	0.00	0.00	
VOC	5.0	0.00	0.00	0.00	0.0%	0.00	0.00	
CO	5.0	0.00	0.00	0.00	0.0%	0.00	0.00	
Lead	5.0	0.00	0.00	0.00	0.0%	0.00	0.00	
Mn	5.0	0.00	0.00	0.00	0.0%	0.00	0.00	

PM Emission Factor from AP-42, Section 11.12, Table 11.12-2 and PM = PM-10