



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: March 1, 2010

RE: Mead Johnson & Company LLC / 163-28777-00015

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

Notice of Decision: Approval – Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

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

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

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



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Mr. Chad Burnett
Mead Johnson & Company, LLC
2400 West Lloyd Expressway
Evansville, IN 47721

March 1, 2010

Re: 163-28777-00015
Significant Permit Modification to
Part 70 Renewal No.: T 163-22643-00015

Dear Mr. Burnett:

Mead Johnson & Company, LLC was issued a Part 70 Operating Permit Renewal on July 3, 2007 for a pharmaceutical and nutritional product formulation plant. A letter requesting changes to this permit was received on December 16, 2009. Pursuant to the provisions of 326 IAC 2-7-12 a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of the installation of new nutritional powder mixing/blending and packaging equipment and dust control equipment.

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 Part 70 Operating Permit as modified will be provided at issuance.

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact Heath Hartley, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Heath Hartley or extension (2-8217), or dial (317) 232-8217.

Sincerely,

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

Attachments:
Updated Permit
Technical Support Document
PTE Calculations

hh

cc: File – Vanderburgh County
Vanderburgh County Health Department
U.S. EPA, Region V
IDEM Southwest Regional Office
Compliance and Enforcement Branch
Permits Administration and Support Section

Mr. James J. Jobe



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Part 70 Operating Permit OFFICE OF AIR QUALITY

Mead Johnson & Company, LLC
2400 West Lloyd Expressway
Evansville, Indiana 47721-0001

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

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

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

Operation Permit No.: T163-22643-00015	
Original signed by: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: July 3, 2007 Expiration Date: July 3, 2012

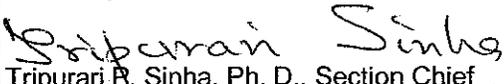
Significant Permit Modification No.: 163-28777-00015	
Issued by:  Tripurari R. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: March 1, 2010 Expiration Date: July 3, 2012

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SECTION A

SOURCE SUMMARY

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

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

The Permittee owns and operates a pharmaceutical and nutritional product formulation plant.

Source Address:	2400 West Lloyd Expressway, Evansville, Indiana 47721
Mailing Address:	2400 West Lloyd Expressway, Evansville, Indiana 47721
General Source Phone #:	(812) 429-5000
SIC Code:	2834, 2099
County Location:	Vanderburgh
Source Location Status:	Nonattainment for PM _{2.5} Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD; Minor Source, Nonattainment NSR Minor 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:

- (a) One (1) landfill gas fired boiler with low NO_x burner and flue gas recirculation system identified as CSUP-1 (boiler 8), using natural gas and No. 2 fuel oil as back-up fuels, maximum capacity rated at 98.6 million British thermal units per hour fired with landfill gas or natural gas, rated at 93.9 million British thermal units per hour fired with No. 2 distillate fuel oil, maximum capacity rated at 80,000 lbs saturated steam per hour at 400 psig operating pressure and 400 to 450⁰ F, located in building 66, and exhausting at one (1) stack identified as CSUP-S₁. (Constructed in 1998, rerated in 1999, and approved for modification in 2006)
- (b) One (1) landfill gas fired boiler with low NO_x burner and flue gas recirculation system identified as CSUP-2 (boiler 9), using natural gas and No. 2 fuel oil as back-up fuels, maximum capacity rated at 98.6 million British thermal units per hour fired with landfill gas or natural gas, rated at 93.9 million British thermal units per hour fired with No. 2 distillate fuel oil, maximum capacity rated at 80,000 lbs saturated steam per hour at 400 psig operating pressure and 400 to 450⁰ F, located in building 66, and exhausting at one (1) stack identified as CSUP-S₂. (Constructed in 1998, rerated in 1999, and approved for modification in 2006)
- (c) One (1) landfill gas fired boiler with low NO_x burner and flue gas recirculation system identified as CSUP-3 (boiler 10), using natural gas and No. 2 fuel oil as back-up fuels, maximum capacity rated at 98.6 million British thermal units per hour fired with landfill gas or natural gas, rated at 93.9 million British thermal units per hour fired with No. 2 distillate fuel oil, maximum capacity rated at 80,000 lbs saturated steam per hour at 400 psig operating pressure and 400 to 450⁰ F, located in building 66, and exhausting at one (1) stack identified as CSUP-S₃. (Constructed in 1998, rerated in 1999, and approved for modification in 2006)

- (d) One (1) diesel fuel oil fired emergency electric generator identified as CSUP-4, rated at 7.20 MMBtu/hr and capable of maximum 750 KW output, used to provide backup power to essential boilerhouse equipment in the case of a power outage, located near the southwest corner of building 66, and exhausting at one (1) stack identified as CSUP-S₄. (Constructed in 1998)
- (e) One (1) reciprocating diesel fuel oil fired emergency electric generator, identified as Backup Generator #1 (Gen Set #1), rated at 8.20 MMBtu/hr and capable of maximum 750 KW output, used to provide backup power to the computer center in the case of a power outage, located in building 5, and exhausting at one (1) stack, identified as stack BG-1. (Constructed in 1985)
- (f) One (1) reciprocating diesel fuel oil fired emergency electric generator, identified as Backup Generator #2 (Gen Set #2), rated at 11.30 MMBtu/hr and capable of maximum 1,100 KW output, used to provide backup power to the computer center in the case of a power outage, located south of building 52, and exhausting at one (1) stack, identified as stack BG-2. (Constructed in 1992)
- (g) One (1) reciprocating diesel fuel oil fired emergency electric generator, identified as Backup Generator #3 (Gen Set #3/SG-48), rated at 2.90 MMBtu/hr and capable of maximum 400 KW output, used to provide backup power to Building 48 R&D laboratories in the case of a power outage, located north of Building 48 and south of Building 63, and exhausting at one (1) stack identified as stack BG-3. (Constructed in 2001)
- (h) One (1) reciprocating diesel fuel oil fired emergency electric generator, identified as Backup Generator EGFP-1, rated at 2.70 MMBtu/hr and capable of maximum 250 KW output, used to provide backup power to Building 61 in the case of a power outage, located in Room 0034, Building 61, and exhausting at one (1) stack identified as stack BG-EGFP. (Constructed in 1986)
- (i) One (1) reciprocating diesel fuel oil fired emergency electric generator, identified as Backup Generator #4 (Gen Set #4), rated at 1.10 MMBtu/hr and capable of maximum 100 KW output, used to provide backup power to Building 63-3F in the case of a power outage, located at Building 63, and exhausting at one (1) stack identified as stack BG-4. (Constructed in 2006)
- (j) Two (2) dry powder mixing/blending and package filling lines, permitted in 2010, identified as BIT-1 and BIT-2, with a maximum capacity of 24,000 lb/hr, using two fabric filter dust collectors, identified as BIT-DC1 and BIT-DC2, as control, and exhausting to stacks BIT-S1 and BIT-S2, and two fabric vent filters, identified as BIT-MVF1 and BIT-MVF2, that are exhausted to process rooms.

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 which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6.5]
- (b) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower. [326 IAC 6.5]
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.5]

- (d) Other activities or categories not previously identified which have the following Insignificant Thresholds: Lead (Pb) = 0.6 ton/year or 3.29 lbs/day; Carbon Monoxide (CO) = 25 lbs/day; Sulfur Dioxides (SO₂) = 5 lbs/hour or 25 lbs/day; Particulate Matter (PM) = 5 lbs/hour or 25 lbs/day; Nitrogen Oxides (NO_x) = 5 lbs/hour or 25 lbs/day; and Volatile Organic compounds (VOC) = 3 lbs/hr or 15 lbs/day:
- (1) Pharmaceutical production/packaging line (Bldg 3 – Rooms 304 and 304A). [326 IAC 6.5]
 - (2) Pharmaceutical powder filling/packaging line (Bldg 3 – Room 302). [326 IAC 6.5]
 - (3) Mixing/blending equipment (Bldg 9 – Rooms 23A, 24A, 25A, and 119). [326 IAC 6.5]
 - (4) Dry materials dump/blending equipment (Bldg 9 – Rooms 130, 132, and 134). [326 IAC 6.5]
 - (5) Solutions preparation (Bldg 9 – Room 34). [326 IAC 6.5]
 - (6) Two (2) tablet coaters (Bldg 9A – Rooms 37 and 38). [326 IAC 6.5]
 - (7) Coating preparation (Bldg 9A – Room 36). [326 IAC 6.5]
 - (8) Tablet presses (Bldgs 9 and 9A – Rooms 37 and 38; and Suites 100 and 103) controlled by a Torit fabric filter. [326 IAC 6.5]
 - (9) Tablet granulation equipment (Bldg 9A – Room 103D). [326 IAC 6.5]
 - (10) Tablet presses and three (3) vacuum drying ovens (Bldg 9 – Suite 106) controlled by a Torit fabric filter. [326 IAC 6.5]
 - (11) Glatt 300 fluid-bed dryer 1 (room area) (Bldg 9 – Room 109). [326 IAC 6.5]
 - (12) Dump hopper/blender (Bldg 9 – Room 109B). [326 IAC 6.5]
 - (13) Glatt 500 fluid-bed dryer 3 (room area) (Bldg 9 – Room 110A). [326 IAC 6.5]
 - (14) Glatt 500 fluid-bed dryer 2 (room area) (Bldg 9 – Room 111). [326 IAC 6.5]
 - (15) Blending equipment (Bldg 9 – Room 111). [326 IAC 6.5]
 - (16) High sheer mixer/blending equipment (Bldg 9 – Room 112). [326 IAC 6.5]
 - (17) Fitzpatrick fluid-bed dryer (Bldg 9 – Room 111A). [326 IAC 6.5]
 - (18) Littleford – Lodige mixing equipment (Bldg 9 – Rooms 112 and 113). [326 IAC 6.5]
 - (19) Tray drying ovens 8 through 13 (Bldg 9 – Room 115A). [326 IAC 6.5]
 - (20) Wet granulation/milling equipment (Bldg 9 – Room 116). [326 IAC 6.5]
 - (21) Coater 2/ drying equipment (Bldg 9 – Room 119). [326 IAC 6.5]
 - (22) Blending/wet granulation equipment (Bldg 9 – Room 120). [326 IAC 6.5]
 - (23) Granulation dump hopper (Bldg 9 – Room 122). [326 IAC 6.5]
 - (24) Chilsinator (Bldg 9 – Room 126). [326 IAC 6.5]
 - (25) Nutritional pre-mixing equipment (Bldg 9 – Room 131). [326 IAC 6.5]
 - (26) Central vacuum (Bldg 9 and 41 – Various Rooms). [326 IAC 6.5]
 - (27) Two (2) Accela-Cota coaters (Bldg 41 – Rooms 105 and 105A). [326 IAC 6.5]
 - (28) Powder weigh room (Bldg 33 – Room 304). [326 IAC 6.5]
 - (29) Powder dumping/blending equipment (Bldg 33 – Room 306). [326 IAC 6.5]
 - (30) Powder dump/transfer (Bldg 33B – Room 301). [326 IAC 6.5]
 - (31) Powder blending/triblenders (Bldg 33B – Room 303). [326 IAC 6.5]

- (32) Dry ingredient mix/weigh tanks (Bldg 33B – Room 304). [326 IAC 6.5]
- (33) Mixing equipment/mineral premix (Bldg 33C – Room 212). [326 IAC 6.5]
- (34) Mixing equipment/liquefier (Bldg 33C – Room 216). [326 IAC 6.5]
- (35) Powder transfer/vacuum hopper room (Bldg 33C – Room 223). [326 IAC 6.5]
- (36) Eight (8) weigh stations, identified as 1 through 8, constructed in 1979, located in room 105 of building 9, six (6) with hepafilter systems. Weigh stations 1 through 7 are controlled by a common rotoclone. Weigh station 8 is controlled by a dedicated rotoclone. [326 IAC 6.5]
- (37) One (1) tablet drying system, identified as Wurster #2, constructed in 1984, located in room 119 of building 9, equipped with one (1) integral internal pleated bag filter, controlled by one (1) dust collector (identified as RTC 0032). [326 IAC 6.5]
- (38) Can Filling Machine (Bldg 63 - Room 114)
- (e) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]
- (f) Asbestos abatement projects regulated by 326 IAC 14-10.
- (g) Building 74 Pilot Plant Spray Drying Operation, permitted in 2008:
 - (1) Slurry batch making operation consisting of manually adding dry powder ingredients from bags and supersacks to water in an open mixing tank. The mixing tank will be controlled with a fabric filter dust collector. [326 IAC 6.5]
 - (2) Process Heater, rated at 1.0 MMBtu/hr natural gas and heat exchanger to heat the air used in the spray dryer. [326 IAC 6.5]
 - (3) Spray drying process consisting of a spray dryer tower and product recovery cyclone followed by a vibrating fluid bed dryer and product recovery cyclone. The air discharged from each product recovery cyclone will be directed to a common fabric filter dust collector. [326 IAC 6.5]

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

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

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

SECTION B GENERAL CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

and

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

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

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

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

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

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and Southwest 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 and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Southwest Regional Office phone: (812) 380-2305; fax: (812) 380-2304.

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

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

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

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

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

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

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

- (a) All terms and conditions of permits established prior to T 163-22643-00015 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit.

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

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

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

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

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

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

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

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

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

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.

- (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

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

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

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

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

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

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

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

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

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

and

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

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

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

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

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

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

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

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

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

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

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

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

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

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

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

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

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

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

B.26 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of 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.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

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

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

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

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

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

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

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

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

All required notifications shall be submitted to:

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

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

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

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

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

- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

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

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

- (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

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

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

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

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

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

- (a) Pursuant to 326 IAC 2-6-3(b)(3), starting in 2006 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
 - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

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

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

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later.
- (c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
 - (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
 - (A) A description of the project.
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and

- (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
 - (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

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

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

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee deems fit to include in this report.

Reports required in this part shall be submitted to:

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

- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.
- (i) If the Permittee is a member of IDEM's Environmental Stewardship Program (ESP), the Permittee may report in the manner below for any reporting requirement except Section B - Deviations from Permit Requirements, that allows reporting per this paragraph:
- (1) Each report shall be submitted semi-annually, covering the period from April 1 to September 30 or October 1 to March 31.
 - (2) Each report, 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.
 - (3) Each report shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
 - (4) The Permittee shall use the attached Environmental Stewardship Program Reporting Forms or their equivalent.
 - (5) Each report shall be submitted to the address listed in paragraph (b) of this

condition.

If the Permittee is removed from or withdraws from the ESP, the Permittee shall begin quarterly reporting according to paragraphs (a) through (e) of this condition and the condition(s) requiring the reporting. If the Permittee is removed from or withdraws from the ESP during the second quarter of a semi-annual period, the Permittee shall submit all reports for the first quarter of the period within thirty (30) days of the removal or withdrawal.

Stratospheric Ozone Protection

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

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

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) One (1) landfill gas fired boiler with low NOx burner and flue gas recirculation system identified as CSUP-1 (boiler 8), using natural gas and No. 2 fuel oil as back-up fuels, maximum capacity rated at 98.6 million British thermal units per hour fired with landfill gas or natural gas, rated at 93.9 million British thermal units per hour fired with No. 2 distillate fuel oil, maximum capacity rated at 80,000 lbs saturated steam per hour at 400 psig operating pressure and 400 to 450⁰ F, located in building 66, and exhausting at one (1) stack identified as CSUP-S₁. (Constructed in 1998, rerated in 1999, and approved for modification in 2006)
- (b) One (1) landfill gas fired boiler with low NOx burner and flue gas recirculation system identified as CSUP-2 (boiler 9), using natural gas and No. 2 fuel oil as back-up fuels, maximum capacity rated at 98.6 million British thermal units per hour fired with landfill gas or natural gas, rated at 93.9 million British thermal units per hour fired with No. 2 distillate fuel oil, maximum capacity rated at 80,000 lbs saturated steam per hour at 400 psig operating pressure and 400 to 450⁰ F, located in building 66, and exhausting at one (1) stack identified as CSUP-S₂. (Constructed in 1998, rerated in 1999, and approved for modification in 2006)
- (c) One (1) landfill gas fired boiler with low NOx burner and flue gas recirculation system identified as CSUP-3 (boiler 10), using natural gas and No. 2 fuel oil as back-up fuels, maximum capacity rated at 98.6 million British thermal units per hour fired with landfill gas or natural gas, rated at 93.9 million British thermal units per hour fired with No. 2 distillate fuel oil, maximum capacity rated at 80,000 lbs saturated steam per hour at 400 psig operating pressure and 400 to 450⁰ F, located in building 66, and exhausting at one (1) stack identified as CSUP-S₃. (Constructed in 1998, rerated in 1999, and approved for modification in 2006)

Under 40 CFR 60, Subpart Dc, the boilers are considered to be new steam generating units.

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

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

D.1.1 PSD Minor Limit [326 IAC 2-2]

Pursuant to CP163-9713-00015, issued on August 24, 1998, and revised through this Title V Renewal, NOx emissions from boilers CSUP-1, CSUP-2 and CSUP-3 shall each be limited to 8.92 pounds per hour.

Compliance with these limits provide that the net emission increase from the 1998 modification is below PSD significant emission levels and renders the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

D.1.2 Particulate Emission Limitations except Lake County [326 IAC 6.5-1]

Pursuant to 326 IAC 6.5-1-2(b), particulate matter (PM) from boilers CSUP-1, CSUP-2 and CSUP-3 shall each not exceed the following:

- (1) One-hundredths (0.01) grain per dry standard cubic foot (dscf) when using gaseous fuel.
- (2) Fifteen-hundredths (0.15) pound per million Btu when using liquid fuel.

D.1.3 Sulfur Dioxide Emission Limitations [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2, the sulfur dioxide emissions from CSUP-1, CSUP-2, and CSUP-3 shall be limited to 0.5 pounds per MMBtu heat input when burning No. 2 distillate fuel oil.

D.1.4 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 these facilities.

Compliance Determination Requirements

D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

- (a) In order to demonstrate compliance with Condition D.1.1, the Permittee shall perform NOx testing when burning fuel oil and NOx testing when burning natural gas for the boilers CSUP-1, CSUP-2, and CSUP-3 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.
- (b) In order to demonstrate compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform PM and NOx testing for one of the boilers CSUP-1, CSUP-2, and CSUP-3 while combusting landfill gas, within 60 days after achieving the maximum capacity, but not later than 180 days after using landfill gas in these boilers, utilizing methods as approved by the Commissioner. These tests 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.
- (c) In order to establish an emission rate for the following units, the Permittee shall perform PM-10 and CO testing for one of the boilers CSUP-1, CSUP-2, and CSUP-3 while combusting landfill gas, within 60 days after achieving the maximum capacity, but not later than 180 days after using landfill gas in these boilers, utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensable PM-10. Testing shall be conducted in accordance with Section C – Performance Testing.

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

D.1.6 Visible Emissions Notations

- (a) Visible emission notations of the boiler stack exhausts shall be performed once per day during normal daylight operations when combusting No.2 fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation of this permit.

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

D.1.7 Record Keeping Requirements

- (a) In order to document compliance with Condition D.1.6, the Permittee shall maintain records of visible emission notations of the boiler stack exhausts once per day when one or more boilers are combusting No. 2 fuel oil. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the boiler did not operate that day).
- (b) To document compliance with Condition D.1.3, the source shall maintain records of the Calendar month average sulfur content, heat content, fuel consumption, and sulfur dioxide emission rate in pounds per MMBtu.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.2 FACILITY OPERATION CONDITIONS

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

- (a) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6.5]
- (b) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower. [326 IAC 6.5]
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.5]
- (d) Other activities or categories not previously identified which have the following Insignificant Thresholds: Lead (Pb) = 0.6 ton/year or 3.29 lbs/day; Carbon Monoxide (CO) = 25 lbs/day; Sulfur Dioxides (SO₂) = 5 lbs/hour or 25 lbs/day; Particulate Matter (PM) = 5 lbs/hour or 25 lbs/day; Nitrogen Oxides (NO_x) = 5 lbs/hour or 25 lbs/day; and Volatile Organic compounds (VOC) = 3 lbs/hr or 15 lbs/day:
 - (1) Pharmaceutical production/packaging line (Bldg 3 – Rooms 304 and 304A). [326 IAC 6.5]
 - (2) Pharmaceutical powder filling/packaging line (Bldg 3 – Room 302). [326 IAC 6.5]
 - (3) Mixing/blending equipment (Bldg 9 – Rooms 23A, 24A, 25A, and 119). [326 IAC 6.5]
 - (4) Dry materials dump/blending equipment (Bldg 9 – Rooms 130, 132, and 134). [326 IAC 6.5]
 - (5) Solutions preparation (Bldg 9 – Room 34). [326 IAC 6.5]
 - (6) Two (2) tablet coaters (Bldg 9A – Rooms 37 and 38). [326 IAC 6.5]
 - (7) Coating preparation (Bldg 9A – Room 36). [326 IAC 6.5]
 - (8) Tablet presses (Bldgs 9 and 9A – Rooms 37 and 38; and Suites 100 and 103) controlled by a Torit fabric filter. [326 IAC 6.5]
 - (9) Tablet granulation equipment (Bldg 9A – Room 103D). [326 IAC 6.5]
 - (10) Tablet presses and three (3) vacuum drying ovens (Bldg 9 – Suite 106) controlled by a Torit fabric filter. [326 IAC 6.5]
 - (11) Glatt 300 fluid-bed dryer 1 (room area) (Bldg 9 – Room 109). [326 IAC 6.5]
 - (12) Dump hopper/blender (Bldg 9 – Room 109B). [326 IAC 6.5]
 - (13) Glatt 500 fluid-bed dryer 3 (room area) (Bldg 9 – Room 110A). [326 IAC 6.5]
 - (14) Glatt 500 fluid-bed dryer 2 (room area) (Bldg 9 – Room 111). [326 IAC 6.5]
 - (15) Blending equipment (Bldg 9 – Room 111). [326 IAC 6.5]
 - (16) High shear mixer/blending equipment (Bldg 9 – Room 112). [326 IAC 6.5]
 - (17) Fitzpatrick fluid-bed dryer (Bldg 9 – Room 111A). [326 IAC 6.5]
 - (18) Littleford – Lodige mixing equipment (Bldg 9 – Rooms 112 and 113). [326 IAC 6.5]
 - (19) Tray drying ovens 8 through 13 (Bldg 9 – Room 115A). [326 IAC 6.5]
 - (20) Wet granulation/milling equipment (Bldg 9 – Room 116). [326 IAC 6.5]
 - (21) Coater 2/ drying equipment (Bldg 9 – Room 119). [326 IAC 6.5]

- (22) Blending/wet granulation equipment (Bldg 9 – Room 120). [326 IAC 6.5]
 - (23) Granulation dump hopper (Bldg 9 – Room 122). [326 IAC 6.5]
 - (24) Chilsinator (Bldg 9 – Room 126). [326 IAC 6.5]
 - (25) Nutritional pre-mixing equipment (Bldg 9 – Room 131). [326 IAC 6.5]
 - (26) Central vacuum (Bldg 9 and 41 – Various Rooms). [326 IAC 6.5]
 - (27) Two (2) Accela-Cota coaters (Bldg 41 – Rooms 105 and 105A). [326 IAC 6.5]
 - (28) Powder weigh room (Bldg 33 – Room 304). [326 IAC 6.5]
 - (29) Powder dumping/blending equipment (Bldg 33 – Room 306). [326 IAC 6.5]
 - (30) Powder dump/transfer (Bldg 33B – Room 301). [326 IAC 6.5]
 - (31) Powder blending/triblenders (Bldg 33B – Room 303). [326 IAC 6.5]
 - (32) Dry ingredient mix/weigh tanks (Bldg 33B – Room 304). [326 IAC 6.5]
 - (33) Mixing equipment/mineral premix (Bldg 33C – Room 212). [326 IAC 6.5]
 - (34) Mixing equipment/liquefier (Bldg 33C – Room 216). [326 IAC 6.5]
 - (35) Powder transfer/vacuum hopper room (Bldg 33C – Room 223). [326 IAC 6.5]
 - (36) Eight (8) weigh stations, identified as 1 through 8, constructed in 1979, located in room 105 of building 9, six (6) with hepafilter systems. Weigh stations 1 through 7 are controlled by a common rotoclone. Weigh station 8 is controlled by a dedicated rotoclone. [326 IAC 6.5]
 - (37) One (1) tablet drying system, identified as Wurster #2, constructed in 1984, located in room 119 of building 9, equipped with one (1) integral internal pleated bag filter, controlled by one (1) dust collector (identified as RTC 0032). [326 IAC 6.5]
 - (38) Can Filling Machine (Bldg 63 - Room 114)
- (e) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]
- (f) Asbestos abatement projects regulated by 326 IAC 14-10.
- (g) Building 74 Pilot Plant Spray Drying Operation, permitted in 2008:
- (1) Slurry batch making operation consisting of manually adding dry powder ingredients from bags and supersacks to water in an open mixing tank. The mixing tank will be controlled with a fabric filter dust collector. [326 IAC 6.5]
 - (2) Process Heater, rated at 1.0 MMBtu/hr natural gas and heat exchanger to heat the air used in the spray dryer. [326 IAC 6.5]
 - (3) Spray drying process consisting of a spray dryer tower and product recovery cyclone followed by a vibrating fluid bed dryer and product recovery cyclone. The air discharged from each product recovery cyclone will be directed to a common fabric filter dust collector. [326 IAC 6.5]

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

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

D.2.1 Particulate Emission Limitations except Lake County [326 IAC 6.5-1]

- (a) Pursuant to 326 IAC 6.5-1-2(b), the particulate matter (PM) from the natural gas process heater shall not exceed one-hundredths (0.01) grain per dry standard cubic foot (dscf) when using gaseous fuel.

- (b) Pursuant to 326 IAC 6.5-1-2(a), the particulate matter (PM) from the insignificant activities shall each not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

Compliance Determination Requirements

D.2.2 Particulate Control [326 IAC 2-7-6(6)]

- (a) The rotoclones, pleated bag filter, and dust collectors for PM control shall be in operation at all times when the weighing stations and the drying system are in operation.
- (b) The control equipment for PM shall be in operation at all times when the grinding and machining processes are in operation.

SECTION D.3 FACILITY OPERATION CONDITIONS

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

- (j) Two (2) dry powder mixing/blending and package filling lines, permitted in 2010, identified as BIT-1 and BIT-2, with a maximum capacity of 24,000 lb/hr, using two fabric filter dust collectors, identified as BIT-DC1 and BIT-DC2, as control, and exhausting to stacks BIT-S1 and BIT-S2, and two fabric vent filters, identified as BIT-MVF1 and BIT-MVF2, that are exhausted to process rooms.

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

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

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

- (a) The PM₁₀ emission rate from the Base Material/Major Additions Dual Manual Bag Dump System #1 controlled by a fabric filter dust collector, identified as BIT-DC1, shall not exceed 1.2 pounds per hour.
- (b) The PM₁₀ emission rate from the Base Material/Major Additions Dual Manual Bag Dump System #2, controlled by a fabric filter dust collector, identified as BIT-DC2, shall not exceed 1.2 pounds per hour.
- (c) The PM₁₀ emission rate from the Mixer Dry Powder Loading and Mixing #1, controlled by a fabric vent filter, identified as BIT-MVF1, shall not exceed 0.5 pounds per hour.
- (d) The PM₁₀ emission rate from the Mixer Dry Powder Loading and Mixing #2, controlled by a fabric vent filter, identified as BIT-MVF2, shall not exceed 0.5 pounds per hour.

Compliance with these emission limits will ensure that the potential to emit from the dry powder mixing/blending and package filling lines, identified as BIT-1 and BIT-2, are less than fifteen (15) tons of PM₁₀ per year. Therefore the requirements of 326 IAC 2-2 are not applicable to this modification.

D.3.2 Particulate Emission Limitations except Lake County [326 IAC 6.5-1]

Pursuant to 326 IAC 6.5-1-2(a), the particulate matter (PM) from the dry powder mixing/blending and package filling lines, identified as BIT-DC1 and BIT-DC2, shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.3.4 Particulate Control [326 IAC 2-7-6(6)]

- (a) In order to comply with condition D.3.1, the fabric filter dust collectors, identified as BIT-DC1 and BIT-DC2, and two fabric vent filters, identified as BIT-MVF1 and BIT-MVF2 for particulate control shall be in operation and control emissions from the dry powder mixing/blending and package filling lines at all times that these facilities are in operation.
- (b) In the event that bag failure is observed in a multi-compartment dust collector, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

SECTION E.1 FACILITY OPERATION CONDITIONS

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

- (a) One (1) landfill gas fired boiler with low NOx burner and flue gas recirculation system identified as CSUP-1 (boiler 8), using natural gas and No. 2 fuel oil as back-up fuels, maximum capacity rated at 98.6 million British thermal units per hour fired with landfill gas or natural gas, rated at 93.9 million British thermal units per hour fired with No. 2 distillate fuel oil, maximum capacity rated at 80,000 lbs saturated steam per hour at 400 psig operating pressure and 400 to 450⁰ F, located in building 66, and exhausting at one (1) stack identified as CSUP-S₁. (Constructed in 1998, rerated in 1999, and approved for modification in 2006)
- (b) One (1) landfill gas fired boiler with low NOx burner and flue gas recirculation system identified as CSUP-2 (boiler 9), using natural gas and No. 2 fuel oil as back-up fuels, maximum capacity rated at 98.6 million British thermal units per hour fired with landfill gas or natural gas, rated at 93.9 million British thermal units per hour fired with No. 2 distillate fuel oil, maximum capacity rated at 80,000 lbs saturated steam per hour at 400 psig operating pressure and 400 to 450⁰ F, located in building 66, and exhausting at one (1) stack identified as CSUP-S₂. (Constructed in 1998, rerated in 1999, and approved for modification in 2006)
- (c) One (1) landfill gas fired boiler with low NOx burner and flue gas recirculation system identified as CSUP-3 (boiler 10), using natural gas and No. 2 fuel oil as back-up fuels, maximum capacity rated at 98.6 million British thermal units per hour fired with landfill gas or natural gas, rated at 93.9 million British thermal units per hour fired with No. 2 distillate fuel oil, maximum capacity rated at 80,000 lbs saturated steam per hour at 400 psig operating pressure and 400 to 450⁰ F, located in building 66, and exhausting at one (1) stack identified as CSUP-S₃. (Constructed in 1998, rerated in 1999, and approved for modification in 2006)

Under 40 CFR 60, Subpart Dc, the boilers are considered to be new steam generating units.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

Pursuant to 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for boilers CSUP-1, CSUP-2, and CSUP-3 except as otherwise specified in 40 CFR Part 60, Subpart Dc.

E.1.2 Standard of Performance for Small Industrial–Commercial–Institutional Steam Generating Units Requirements [40 CFR Part 60, Subpart Dc]

Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of Standard of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, for boilers CSUP-1, CSUP-2, and CSUP-3 as follows:

- (1) 40 CFR 60.40c
- (2) 40 CFR 60.41c
- (3) 40 CFR 60.42c
- (4) 40 CFR 60.43c
- (5) 40 CFR 60.44c
- (6) 40 CFR 60.45c
- (7) 40 CFR 60.46c
- (8) 40 CFR 60.47c
- (9) 40 CFR 60.48c

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Mead Johnson & Company, LLC
Source Address: 2400 West Lloyd Expressway, Evansville, Indiana 47721
Mailing Address: 2400 West Lloyd Expressway, Evansville, Indiana 47721
Part 70 Permit No.: 163-22643-00015

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

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

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Mead Johnson & Company, LLC
Source Address: 2400 West Lloyd Expressway, Evansville, Indiana 47721
Mailing Address: 2400 West Lloyd Expressway, Evansville, Indiana 47721
Part 70 Permit No.: 163-22643-00015

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

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

Source Name: Mead Johnson & Company, LLC
Source Address: 2400 West Lloyd Expressway, Evansville, Indiana 47721-0001
Mailing Address: 2400 West Lloyd Expressway, Evansville, Indiana 47721
Part 70 Permit No.: 163-22643-00015

Months: _____ to _____ Year: _____

Page 1 of 2

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Source Description and Location

Source Name:	Mead Johnson & Company, LLC
Source Location:	2400 W. Lloyd Expressway, Evansville, IN 47721
County:	Vanderburgh
SIC Code:	2834 & 2099
Operation Permit No.:	T 163-22643-00015
Operation Permit Issuance Date:	July 3, 2007
Permit Reviewer:	Heath Hartley

NSPS [40 CFR Part 60, Subpart Dc]

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

§ 60.40c Applicability and delegation of authority.

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

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

(c) Steam generating units which meet the applicability requirements in paragraph (a) of this section are not subject to the sulfur dioxide (SO₂) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (§§60.42c, 60.43c, 60.44c, 60.45c, 60.46c, or 60.47c) during periods of combustion research, as defined in §60.41c.

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

[55 FR 37683, Sept. 12, 1990, as amended at 61 FR 20736, May 8, 1996; 71 FR 9884, Feb. 27, 2006]

§ 60.41c Definitions.

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

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

Coal means all solid fuels classified as anthracite, bituminous, subbituminous, or lignite by the American Society of Testing and Materials in ASTM D388–77, 90, 91, 95, or 98a, Standard Specification for Classification of Coals by Rank (IBR—see §60.17), coal refuse, and petroleum coke. Coal-derived synthetic fuels derived from coal for the purposes of creating useful heat, including but not limited to solvent refined coal, gasified coal, coal-oil mixtures, and coal-water mixtures, are also included in this definition for the purposes of this subpart.

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

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

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

Combustion research means the experimental firing of any fuel or combination of fuels in a steam generating unit for the purpose of conducting research and development of more efficient combustion or more effective prevention or control of air pollutant emissions

from combustion, provided that, during these periods of research and development, the heat generated is not used for any purpose other than preheating combustion air for use by that steam generating unit (i.e., the heat generated is released to the atmosphere without being used for space heating, process heating, driving pumps, preheating combustion air for other units, generating electricity, or any other purpose).

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

Distillate oil means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396–78, 89, 90, 92, 96, or 98, “Standard Specification for Fuel Oils” (incorporated by reference—see §60.17).

Dry flue gas desulfurization technology means a sulfur dioxide (SO₂) control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a dry powder material. This definition includes devices where the dry powder material is subsequently converted to another form. Alkaline reagents used in dry flue gas desulfurization systems include, but are not limited to, lime and sodium compounds.

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

Emerging technology means any SO₂ control system that is not defined as a conventional technology under this section, and for which the owner or operator of the affected facility has received approval from the Administrator to operate as an emerging technology under §60.48c(a)(4).

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

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

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

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

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

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

Natural gas means (1) a naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane, or (2) liquefied petroleum (LP) gas, as defined by the American Society for Testing and Materials in ASTM D1835–86, 87, 91, or 97, “Standard Specification for Liquefied Petroleum Gases” (incorporated by reference—see §60.17).

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

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

Potential sulfur dioxide emission rate means the theoretical SO₂ emissions (nanograms per joule [ng/J], or pounds per million Btu [lb/million Btu] heat input) that would result from combusting fuel in an uncleaned state and without using emission control systems.

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

Residual oil means crude oil, fuel oil that does not comply with the specifications under the definition of distillate oil, and all fuel oil numbers 4, 5, and 6, as defined by the American Society for Testing and Materials in ASTM D396–78, 89, 90, 92, 96, or 98, “Standard Specification for Fuel Oils” (incorporated by reference—see §60.17).

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

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

Wet flue gas desulfurization technology means an SO₂ control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a liquid material. This definition includes devices where the liquid material is subsequently converted to another form. Alkaline reagents used in wet flue gas desulfurization systems include, but are not limited to, lime, limestone, and sodium compounds.

Wet scrubber system means any emission control device that mixes an aqueous stream or slurry with the exhaust gases from a steam generating unit to control emissions of particulate matter (PM) or SO₂.

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

[55 FR 37683, Sept. 12, 1990, as amended at 61 FR 20736, May 8, 1996; 65 FR 61752, Oct. 17, 2000; 71 FR 9884, Feb. 27, 2006]

§ 60.42c Standard for sulfur dioxide.

(d) On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO₂ in excess of 215 ng/J (0.50 lb/million Btu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. The percent reduction requirements are not applicable to affected facilities under this paragraph.

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

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

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

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

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

(i) The SO₂ emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction.

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

[55 FR 37683, Sept. 12, 1990, as amended at 65 FR 61753, Oct. 17, 2000; 71 FR 9884, Feb. 27, 2006]

§ 60.43c Standard for particulate matter.

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

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

[55 FR 37683, Sept. 12, 1990, as amended at 65 FR 61753, Oct. 17, 2000; 71 FR 9885, Feb. 27, 2006]

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

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

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

operator of the affected facility shall sample the oil in the fuel tank after each new shipment of oil is received, as described under §60.46c(d)(2).

(h) For affected facilities subject to §60.42c(h)(1), (2), or (3) where the owner or operator seeks to demonstrate compliance with the SO₂ standards based on fuel supplier certification, the performance test shall consist of the certification, the certification from the fuel supplier, as described under §60.48c(f)(1), (2), or (3), as applicable.

[55 FR 37683, Sept. 12, 1990, as amended at 65 FR 61753, Oct. 17, 2000]

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

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

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

(2) Method 3 shall be used for gas analysis when applying Method 5, Method 5B, or Method 17.

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

(i) Method 5 may be used only at affected facilities without wet scrubber systems.

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

(iii) Method 5B may be used in conjunction with a wet scrubber system.

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

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

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

(7) For each run using Method 5, Method 5B, or Method 17, the emission rates expressed in ng/J (lb/million Btu) heat input shall be determined using:

(i) The oxygen or carbon dioxide measurements and PM measurements obtained under this section,

(ii) The dry basis F-factor, and

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

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

(c) Units that burn only oil containing no more than 0.5 weight percent sulfur or liquid or gaseous fuels with potential sulfur dioxide emission rates of 230 ng/J (0.54 lb/MMBtu) heat input or less are not required to conduct emissions monitoring if they maintain fuel supplier certifications of the sulfur content of the fuels burned.

[55 FR 37683, Sept. 12, 1990, as amended at 65 FR 61753, Oct. 17, 2000; 71 FR 9885, Feb. 27, 2006]

§ 60.46c Emission monitoring for sulfur dioxide

(a) Except as provided in paragraphs (d) and (e) of this section, the owner or operator of an affected facility subject to the SO₂ emission limits under §60.42c shall install, calibrate, maintain, and operate a CEMS for measuring SO₂ concentrations and either oxygen or carbon dioxide concentrations at the outlet of the SO₂ control device (or the outlet of the steam generating unit if no SO₂ control device is used), and shall record the output of the system. The owner or operator of an affected facility subject to the percent reduction requirements under §60.42c shall measure SO₂ concentrations and either oxygen or carbon dioxide concentrations at both the inlet and outlet of the SO₂ control device.

(d) As an alternative to operating a CEMS at the inlet to the SO₂ control device (or outlet of the steam generating unit if no SO₂ control device is used) as required under paragraph (a) of this section, an owner or operator may elect to determine the average SO₂ emission rate by sampling the fuel prior to combustion. As an alternative to operating a CEMS at the outlet from the SO₂ control device (or outlet

of the steam generating unit if no SO₂ control device is used) as required under paragraph (a) of this section, an owner or operator may elect to determine the average SO₂ emission rate by using Method 6B. Fuel sampling shall be conducted pursuant to either paragraph (d)(1) or (d)(2) of this section. Method 6B shall be conducted pursuant to paragraph (d)(3) of this section.

(1) For affected facilities combusting coal or oil, coal or oil samples shall be collected daily in an as-fired condition at the inlet to the steam generating unit and analyzed for sulfur content and heat content according the Method 19. Method 19 provides procedures for converting these measurements into the format to be used in calculating the average SO₂ input rate.

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

(3) Method 6B may be used in lieu of CEMS to measure SO₂ at the inlet or outlet of the SO₂ control system. An initial stratification test is required to verify the adequacy of the Method 6B sampling location. The stratification test shall consist of three paired runs of a suitable SO₂ and carbon dioxide measurement train operated at the candidate location and a second similar train operated according to the procedures in §3.2 and the applicable procedures in section 7 of Performance Specification 2 (appendix B). Method 6B, Method 6A, or a combination of Methods 6 and 3 or Methods 6C and 3A are suitable measurement techniques. If Method 6B is used for the second train, sampling time and timer operation may be adjusted for the stratification test as long as an adequate sample volume is collected; however, both sampling trains are to be operated similarly. For the location to be adequate for Method 6B 24-hour tests, the mean of the absolute difference between the three paired runs must be less than 10 percent (0.10).

(e) The monitoring requirements of paragraphs (a) and (d) of this section shall not apply to affected facilities subject to §60.42c(h) (1), (2), or (3) where the owner or operator of the affected facility seeks to demonstrate compliance with the SO₂ standards based on fuel supplier certification, as described under §60.48c(f) (1), (2), or (3), as applicable.

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

[55 FR 37683, Sept. 12, 1990, as amended at 65 FR 61753, Oct. 17, 2000]

§ 60.47c Emission monitoring for particulate matter.

(c) Units that burn only oil that contains no more than 0.5 weight percent sulfur or liquid or gaseous fuels with potential sulfur dioxide emission rates of 230 ng/J (0.54 lb/MMBtu) heat input or less are not required to conduct PM emissions monitoring if they maintain fuel supplier certifications of the sulfur content of the fuels burned.

[55 FR 37683, Sept. 12, 1990, as amended at 65 FR 61753, Oct. 17, 2000; 71 FR 9886, Feb. 27, 2006]

§ 60.48c Reporting and recordkeeping requirements.

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

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

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

(b) The owner or operator of each affected facility subject to the SO₂ emission limits of §60.42c, or the PM or opacity limits of §60.43c, shall submit to the Administrator the performance test data from the initial and any subsequent performance tests and, if applicable, the performance evaluation of the CEMS and/or COMS using the applicable performance specifications in appendix B.

(d) The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit reports to the Administrator.

(e) The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records and submit reports as required under paragraph (d) of this section, including the following information, as applicable.

(1) Calendar dates covered in the reporting period.

(2) Each 30-day average SO₂ emission rate (nj/J or lb/million Btu), or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of corrective actions taken.

(3) Each 30-day average percent of potential SO₂ emission rate calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of the corrective actions taken.

(4) Identification of any steam generating unit operating days for which SO₂ or diluent (oxygen or carbon dioxide) data have not been obtained by an approved method for at least 75 percent of the operating hours; justification for not obtaining sufficient data; and a description of corrective actions taken.

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

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

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

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

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

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

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

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

(1) For distillate oil:

(i) The name of the oil supplier; and

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

(g) The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day. The owner or operator of an affected facility that only burns very low sulfur fuel oil or other liquid or gaseous fuels with potential sulfur dioxide emissions rate of 140 ng/J (0.32 lb/MMBtu) heat input or less shall record and maintain records of the fuels combusted during each calendar month.

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

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

[55 FR 37683, Sept. 12, 1990, as amended at 64 FR 7465, Feb. 12, 1999; 65 FR 61753, Oct. 17, 2000; 71 FR 9886, Feb. 27, 2006]

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

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

Source Description and Location

Source Name:	Mead Johnson & Company, LLC
Source Location:	2400 W. Lloyd Expressway, Evansville, IN 47721
County:	Vanderburgh
SIC Code:	2834 & 2099
Operation Permit No.:	T 163-22643-00015
Operation Permit Issuance Date:	July 3, 2007
Minor Source Modification No.:	163-28756-00015
Significant Permit Modification No.:	163-28777-00015
Permit Reviewer:	Heath Hartley

Public Notice Information

On January 8, 2010, the Office of Air Quality (OAQ) had a notice published in Evansville Courier in Evansville, Indiana, stating that the Mead Johnson & Company, LLC had applied for a minor modification to their Part 70 Operating Permit Renewal issued on July 3, 2007 to add a new powder operation. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Other Changes

Upon further review, the OAQ has decided to make the following revisions to the permit:

Change No. 1: The Significant Permit Modification gives approval to operate, therefore the language in the cover page of the permit should reflect so accordingly:

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

**Mead Johnson & Company, LLC
2400 West Lloyd Expressway
Evansville, Indiana 47721-0001**

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

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IDEM Contact

Questions regarding this proposed permit can be directed to Heath Hartley at the Indiana Department Environmental Management, Office of Air Quality, MC 61-53, Room 1003, 100 North Senate Avenue, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-8217 or toll free at 1-800-451-6027 extension 4-8217.

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

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

Source Description and Location

Source Name:	Mead Johnson & Company, LLC
Source Location:	2400 W. Lloyd Expressway, Evansville, IN 47721
County:	Vanderburgh
SIC Code:	2834 & 2099
Operation Permit No.:	T 163-22643-00015
Operation Permit Issuance Date:	July 3, 2007
Minor Source Modification No.:	163-28756-00015
Significant Permit Modification No.:	163-28777-00015
Permit Reviewer:	Heath Hartley

Existing Approvals

The source was issued Part 70 Operating Permit Renewal No. T 163-22643-00015 on July 3, 2007. The source has since received the following approvals:

- (a) Administrative Amendment No. 163-27036-00015, issued on October 20, 2008;
- (b) Administrative Amendment No. 163-26837-00015, issued on August 15, 2008;
- (c) Administrative Amendment No. 163-25443-00015, issued on November 16, 2007; and
- (d) Administrative Amendment No. 163-27036-00015, issued on September 17, 2007.

County Attainment Status

The source is located in Vanderburgh County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective January 30, 2006, for the Evansville area, including Vanderburgh County, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
PM _{2.5}	Basic nonattainment designation effective federally April 5, 2005
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.

¹Attainment effective October 18, 2000, for the 1-hour ozone standard for the Evansville area, including Vanderburgh County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour designation was revoked effective June 15, 2005.

- (a) **Ozone Standards**
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 ozone. Vanderburgh County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) **PM_{2.5}**
 U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Vanderburgh County as nonattainment for PM_{2.5}. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's New Source Review Rule for PM_{2.5} promulgated on May 8th, 2008, and effective on July 15th 2008. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.
- (c) **Other Criteria Pollutants**
 Vanderburgh County has been classified as attainment or unclassifiable in Indiana for PM₁₀, SO₂, NO₂, CO and Lead (Pb). Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Since this source is classified as a having fossil fuel boilers totaling more than two hundred fifty million Btu/hr, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (e) **Fugitive Emissions**
 Since this type of operation is in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

Source Status

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

Pollutant	Emissions (ton/yr)
PM	< 100
PM ₁₀	< 100
PM _{2.5}	< 100
SO ₂	> 100
VOC	< 100
CO	> 100
NO _x	> 100
Single HAP	< 10
Total	< 25

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is not a major stationary source, under nonattainment new source review rules (326 IAC 2-1.1-5) since direct PM_{2.5} is not emitted at a rate of 100 tons per year or more.
- (c) These emissions are based upon Part 70 Operating Permit Renewal T 163-22643-00015 issued July 3, 2007.
- (d) This existing source is not a major source of HAPs, as defined in 40 CFR 63.2, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a significant source modification application, submitted by Mead Johnson & Company, LLC on October 5, 2009, relating to the installation of new nutritional powder mixing/blending and packaging equipment and dust control equipment in Buildings 9 and 41. The following is a list of the proposed emission unit(s) and pollution control device(s):

- (a) Two (2) dry powder mixing/blending and package filling lines, permitted in 2010, identified as BIT-1 and BIT-2, with a maximum capacity of 24,000 lb/hr, using two fabric filter dust collectors, identified as BIT-DC1 and BIT-DC2, as control, and exhausting to stacks BIT-S1 and BIT-S2, and two fabric vent filters, identified as BIT-MVF1 and BIT-MVF2, that are exhausted to process rooms.

Enforcement Issues

There are no pending enforcement actions.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Part 70

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

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

PTE of the Modification Before Controls	
Pollutant	Potential To Emit (ton/yr)
PM	21
PM ₁₀	21
PM _{2.5}	21
SO ₂	0
VOC	0
CO	0
NO _x	0

This source modification is subject to 326 IAC 2-7-10. This source modification is subject to 326 IAC 2-7-10.5(d)(3) because the potential to emit PM/PM₁₀ is less than twenty-five (25) tons per year and greater than five (5) tons per year before control. Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(b)(1)(C) because it requires a case-by-case determination of an emission limitation.

Permit Level Determination – PSD

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

Process / Emission Unit	Potential to Emit (ton/yr)						
	PM	PM ₁₀	PM _{2.5}	SO ₂	VOC	CO	NO _x
Total for Modification	6.6	14.9	21	0	0	0	0
PM _{2.5} emissions from the existing emission units	---	---	< 100	---	---	---	---
Source Total	---	---	< 100	---	---	---	---
PSD Significant Level Threshold	25	15	---	40	40	100	40
Nonattainment NSR Major Source Threshold	---	---	100	---	---	---	---

- (a) This modification to an existing major stationary source for PSD is not major because the emissions increases are less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.
- (b) This modification to an existing minor stationary source for Nonattainment NSR is not major because the source wide PTE of PM_{2.5} is still less than the Nonattainment NSR threshold level of 100 tons per year. Therefore, pursuant to 326 IAC 2-1.1-5, the Nonattainment NSR requirements do not apply.

Federal Rule Applicability Determination

NSPS:

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) included in this permit for this proposed modification.

NESHAP:

- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit for this proposed modification.
- (c) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:
 - (1) has a potential to emit before controls equal to or greater than the Part 70 major source threshold for the pollutant involved;
 - (2) is subject to an emission limitation or standard for that pollutant; and
 - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The requirements of 40 CFR Part 64, CAM are not applicable to the new units as part of this modification since the potential to emit before controls of all new units are less than Part 70 major source thresholds.

State Rule Applicability Determination

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

326 IAC 2-2 PSD

Since this source is considered a major PSD source and the unrestricted potential to emit of PM₁₀ are greater than fifteen (15) tons per year, this source has elected to limit the potential to emit of this modification as follows:

- (a) The PM₁₀ emission rate from the Base Material/Major Additions Dual Manual Bag Dump System #1 controlled by a fabric filter dust collector, identified as BIT-DC1, shall not exceed 1.2 pounds per hour.
- (b) The PM₁₀ emission rate from the Base Material/Major Additions Dual Manual Bag Dump System #2, controlled by a fabric filter dust collector, identified as BIT-DC2, shall not exceed 1.2 pounds per hour.
- (c) The PM₁₀ emission rate from the Mixer Dry Powder Loading and Mixing #1, controlled by a fabric vent filter, identified as BIT-MVF1, shall not exceed 0.5 pounds per hour.
- (d) The PM₁₀ emission rate from the Mixer Dry Powder Loading and Mixing #2, controlled by a fabric vent filter, identified as BIT-MVF2, shall not exceed 0.5 pounds per hour.

Compliance with these emission limits will ensure that the potential to emit from the dry powder mixing/blending and package filling lines, identified as BIT-1 and BIT-2, are less than fifteen (15) tons of PM₁₀ per year. Therefore the requirements of 326 IAC 2-2 are not applicable to this modification.

326 IAC 2-6 (Emission Reporting)

Since this source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, this source is subject to 326 IAC 2-6 (Emission Reporting). In accordance with the compliance schedule in 326 IAC 2-6-3, an emission statement must be submitted triennially. The first report was due July 1, 2006, and subsequent reports are due every three (3) years thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 6.5-1 (Particulate Emission Limitations except Lake County)

The source is located in Vanderburgh County and has actual PM emissions of greater than 10 tons per year. Therefore the requirements of 326 IAC 6.5-1-2 are applicable to this source.

- (a) Pursuant to 326 IAC 6.5-1-2(a), the particulate matter (PM) from the dry powder mixing/blending and package filling lines shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)

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

Since 326 IAC 6.5-1 is applicable to this source, the requirements of 326 IAC 6.5-1 will prevail over 326 IAC 6-3-2. Therefore, the requirements of 326 IAC 6-3-2 are not applicable to this source.

Compliance Determination and Monitoring Requirements

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

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in

relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

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

Compliance Determination Requirements

The Compliance Determination requirements are listed as follows:

Emission Unit	Parameter	Frequency
Fabric filter dust collectors BIT-DC1 & BIT-DC2	Operation of the fabric filter dust collectors	At all times that these facilities are in operation
Fabric vent filters BIT-MVF1 & BIT-MVF2	Operation of the fabric vent filters	

Compliance Monitoring Requirements

There are no compliance monitoring requirements applicable to this modification.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. Renewal T 163-22643-00015. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

Change 1: The installation of new nutritional powder mixing/blending and packaging equipment and dust control equipment in Buildings 9 and 41 has been added to the permit as Condition D.3:

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(j) **Two (2) dry powder mixing/blending and package filling lines, permitted in 2010, identified as BIT-1 and BIT-2, with a maximum capacity of 24,000 lb/hr, using two fabric filter dust collectors, identified as BIT-DC1 and BIT-DC2, as control, and exhausting to stacks BIT-S1 and BIT-S2, and two fabric vent filters, identified as BIT-MVF1 and BIT-MVF2, that are exhausted to process rooms.**

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

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

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

- (a) **The PM₁₀ emission rate from the Base Material/Major Additions Dual Manual Bag Dump System #1 controlled by a fabric filter dust collector, identified as BIT-DC1, shall not exceed 1.2 pounds per hour.**
- (b) **The PM₁₀ emission rate from the Base Material/Major Additions Dual Manual Bag Dump System #2, controlled by a fabric filter dust collector, identified as BIT-DC2, shall not exceed 1.2 pounds per hour.**
- (c) **The PM₁₀ emission rate from the Mixer Dry Powder Loading and Mixing #1, controlled by a fabric vent filter, identified as BIT-MVF1, shall not exceed 0.5 pounds per hour.**

- (d) **The PM₁₀ emission rate from the Mixer Dry Powder Loading and Mixing #2, controlled by a fabric vent filter, identified as BIT-MVF2, shall not exceed 0.5 pounds per hour.**

Compliance with these emission limits will ensure that the potential to emit from the dry powder mixing/blending and package filling lines, identified as BIT-1 and BIT-2, are less than fifteen (15) tons of PM₁₀ per year. Therefore the requirements of 326 IAC 2-2 are not applicable to this modification.

D.3.2 Particulate Emission Limitations except Lake County [326 IAC 6.5-1]

Pursuant to 326 IAC 6.5-1-2(a), the particulate matter (PM) from the dry powder mixing/blending and package filling lines, identified as BIT-DC1 and BIT-DC2, shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.3.4 Particulate Control [326 IAC 2-7-6(6)]

- (a) **In order to comply with condition D.3.1, the fabric filter dust collectors, identified as BIT-DC1 and BIT-DC2, and two fabric vent filters, identified as BIT-MVF1 and BIT-MVF2 for particulate control shall be in operation and control emissions from the dry powder mixing/blending and package filling lines at all times that these facilities are in operation.**
- (b) **In the event that bag failure is observed in a multi-compartment dust collector, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.**

Other Changes

The changes listed below have been made to Part 70 Operating Permit No. Renewal T 163-22643-00015. These changes are standard model language changes in Sections B & C. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

1. The contract between the City of Evansville, Evansville Environmental Agency, and IDEM has expired. These Local Agencies no longer have effective authority to implement state and federal requirements for IDEM. Therefore, IDEM has removed references to these Local Agencies.
2. Several of IDEM's Branches and sections have been renamed. Therefore, IDEM has updated the addresses listed in the permit. References to Permit Administration and Development Section and the Permits Branch have been changed to Permit Administration and Support Section. References to Asbestos Section, Compliance Data Section, Air Compliance Section, and Compliance Branch have been changed to Compliance and Enforcement Branch.

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

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

3. Besides for the multiple references to the local agency(which IDEM is not specifically showing), IDEM has revised and/or removed the following condition(s) as they no longer have legal basis in an underlying state or federal requirement.

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

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

4. Condition B.9 has been revised as follows to clarify the time period covered by the initial certification:

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

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

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

and

~~Evansville EPA
101 NW Martin Luther King Blvd #250
Evansville, Indiana 47708~~

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

.....

5. Condition B.10 has been revised as follows to clarify the requirements pertaining to the Preventive Maintenance Plan:

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

~~(a) The Permittee shall maintain and implement Preventative Maintenance Plans (PMPs) for the source as described in 326 IAC 1-6-2. At a minimum, the PMPs shall include:~~

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

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

.....

6. Condition B.15 has been revised as follows:

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

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

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

~~quarterly according to Section C - General Reporting Requirements using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent.~~ **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.

.....

7. IDEM has decided to reference 326 IAC 2 in Section B-Source Modification Requirements, rather than specific construction rule.

B.21 Source Modification Requirement [326 IAC 2-7-10.5][326 IAC 2-2-2][326 IAC 2-3-2]

- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and ~~326 IAC 2-7-10.5.~~
- (b) ~~Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2 and 326 IAC 2-3-2.~~

8. The following condition was added to this significant source modification to include particulate emission limitations for the manufacturing process:

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

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

9. Condition C.3 has been revised because 326 IAC 4-1-3(a)(2)(A) and (B) are now federally enforceable:

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

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

10. Condition C.8 has been revised as follows:

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

- (a) **Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval.** 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, ~~and the EPA.~~

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

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

and

~~Evansville EPA
101 NW Martin Luther King Blvd #250
Evansville, Indiana 47708~~

.....

11. IDEM has decided not to list the due date of the next emergency performance test. IDEM will just list the frequency of the testing since the last valid test. This is not a change to the nature or frequency of the requirement since the date listed was based on the frequency listed.

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

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

- (a) The Permittee ~~prepared and~~ **shall maintain the most recently** submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
 - (b) Upon direct notification by IDEM, OAQ ~~and~~ ~~EEPA~~ 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]
12. IDEM has changed the language of the General Record Keeping conditions to allow the Permittee to not have to begin implementing the requirements of these conditions until ninety day after initial start up. The revised language also includes general record keep and reporting requirements pertaining to major sources. Also, revisions have been made to reflect NSR reform provisions at the major sources.

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner ~~or~~ ~~EEPA~~ makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner ~~or~~ ~~EEPA~~ within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance **or ninety (90) days of initial start-up, whichever is later.**
- (c) **If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:**
 - (1) **Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:**
 - (A) **A description of the project.**
 - (B) **Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.**
 - (C) **A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:**
 - (i) **Baseline actual emissions;**
 - (ii) **Projected actual emissions;**

~~(2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and~~

~~(3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.~~

13. Additional language was added to C.19(e), General Reporting Requirements regarding the time period of the first report submission.

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

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

.....

(e) **The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period.** Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

.....

14. The Testing Requirement condition, D.1.5, has been modified to update the timeframe for testing:

D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) ~~Within one hundred eighty (180) days after issuance of this permit, in order to demonstrate compliance with Condition D.1.1, the Permittee shall perform NOx testing when burning fuel oil and NOx testing when burning natural gas for the boilers CSUP-1, CSUP-2, and CSUP-3 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.~~

.....

15. The Reporting Requirements condition has been removed from the permit and the Record Keeping Condition has been modified:

D.1.7 Record Keeping Requirements

(a) In order to document compliance with Condition D.1.6, the Permittee shall maintain records of visible emission notations of the boiler stack exhausts once per day when one or more boilers are combusting No. 2 fuel oil. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the boiler did not operate that day).

(b) **To document compliance with Condition D.1.3, the source shall maintain records of the Calendar month average sulfur content, heat content, fuel consumption, and sulfur dioxide emission rate in pounds per MMBtu.**

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

~~D.1.8 Reporting Requirements~~

~~The natural gas boiler certification 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 its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).~~

16. The requirements of NSPS, Subpart Dc, has been moved from D.1 to E.1. The actual NSPS language has been moved from D.1 to Attachment A.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

~~D.1.9~~

E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

~~(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for boilers CSUP-1, CSUP-2, and CSUP-3 except as otherwise specified in 40 CFR Part 60, Subpart Dc.~~

~~(b) Pursuant to 40 CFR 60.19, the Permittee shall submit all required notifications and reports to:~~

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

~~and~~

~~Evansville EPA
101 NW Martin Luther King Blvd #250
Evansville, Indiana 47708~~

~~D.1.10~~

E.1.2 Standard of Performance for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [40 CFR Part 60, Subpart Dc]

~~Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of Standard of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, for boilers CSUP-1, CSUP-2, and CSUP-3 as follows:~~

~~§ 60.40c Applicability and delegation of authority.~~

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

.....

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

~~[55 FR 37683, Sept. 12, 1990, as amended at 64 FR 7465, Feb. 12, 1999; 65 FR 61753, Oct. 17, 2000; 71 FR 9886, Feb. 27, 2006]~~

- (1) 40 CFR 60.40c
- (2) 40 CFR 60.41c
- (3) 40 CFR 60.42c
- (4) 40 CFR 60.43c
- (5) 40 CFR 60.44c
- (6) 40 CFR 60.45c
- (7) 40 CFR 60.46c
- (8) 40 CFR 60.47c
- (9) 40 CFR 60.48c

~~D.1.11 State-Only Emissions Standards of Performance for Small Industrial-Commercial-Institutional Steam-Generating Units Requirements [326 IAC 12]~~

~~Pursuant to 326 IAC 12 and until 326 IAC 1-1-3 is revised to include the most recent version of 40 CFR 60, Subpart Dc, the Permittee shall comply with the previous version of 40 CFR 60, Subpart Dc, published in 65 FR 61752, Oct. 17, 2000, for boilers CSUP-1, CSUP-2, and CSUP-3 as follows:~~

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

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

~~.....~~

~~§ 60.48c Reporting and recordkeeping requirements.~~

~~(g) The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day.~~

~~[55 FR 37683, Sept. 12, 1990, as amended at 64 FR 7465, Feb. 12, 1999; 65 FR 61753, Oct. 17, 2000]~~

17. IDEM has determined that the requirements of 326 IAC 6.5 prevail over the limitations set forth in 326 IAC 6-2 and 326 IAC 6-3.

~~D.1.2 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]
Particulate Emission Limitations except Lake County [326 IAC 6.5-1]~~

~~Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(d)), the PM emissions from boilers CSUP-1, CSUP-2 and CSUP-3 shall each not exceed 0.24 pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:~~

$$Pt = \frac{1.09}{Q^{0.26}} \text{ Where } Q = \text{total source capacity (MMBtu/hr)}$$

~~Q = 295.8 (MMBtu/hr) for CSUP-1, CSUP-2 and CSUP-3.~~

~~Pursuant to 326 IAC 6.5-1-2(b), particulate matter (PM) from boilers CSUP-1, CSUP-2 and CSUP-3 shall each not exceed the following:~~

- (1) **One-hundredths (0.01) grain per dry standard cubic foot (dscf) when using gaseous fuel.**
- (2) **Fifteen-hundredths (0.15) pound per million Btu when using liquid fuel.**

.....
D.2.1 ~~Particulate Matter (PM) Limitations Except Lake County [326 IAC 6-3-2]~~
Particulate Emission Limitations except Lake County [326 IAC 6.5-1]

~~(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the insignificant activities described in this Section D.2(a) through (e), shall not exceed the emission rate calculated using the following equation:~~

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

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

- (a) **Pursuant to 326 IAC 6.5-1-2(b), the particulate matter (PM) from the natural gas process heater shall not exceed one-hundredths (0.01) grain per dry standard cubic foot (dscf) when using gaseous fuel.**
- (b) **Pursuant to 326 IAC 6.5-1-2(a), the particulate matter (PM) from the insignificant activities shall each not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).**

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

~~Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions from the 1.0 MMBtu/hr natural gas process heater shall be limited to 0.6 pounds per MMBtu heat input.~~

- 18. Since 326 IAC 6.5 prevails, the references to 326 IAC 6-3-2 are replaced with 326 IAC 6.5 from the Insignificant Activities sections in A.3 and D.2
- 19. Per the application received by IDEM on December 22, 2009, Mead Johnson has requested a name change. They have changed from Mead Johnson & Company to Mead Johnson & Company, LLC. This change will be reflected throughout the permit documents.

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 163-28537-00015 and Significant Permit Modification. The staff recommends to the Commissioner that this Part 70 Significant Source and Significant Permit Modification be approved.

Appendix A: Emission Calculations
Particulate Emissions from BIT Dry Powder Mixing and Filling Lines (BIT-1 & BIT-2)

Company Name: Mead Johnson & Company, LLC
Address City IN Zip: 2400 W. Lloyd Expressway, Evansville, IN 47721
Permit: 163-28777-00015

Unrestricted PTE

	Dry Material Process Rate		Dust Loss Factor*	Before Controls PM/PM ₁₀ /PM _{2.5}		Control efficiency, pct.	After Controls PM/PM ₁₀ /PM _{2.5}	
	lbs/hr	lbs/yr		lbs/hr	tons/yr		lbs/hr	tons/yr
Base Material/Major Additions Dual Manual Bag Dump System #1	12,000	105,120,000	0.01	1.2	5.3	99.9%	0.001	0.005
Base Material/Major Additions Dual Manual Bag Dump System #2	12,000	105,120,000	0.01	1.2	5.3	99.9%	0.001	0.005
Mixer Dry Powder Loading and Mixing #1 and #2	24,000	210,240,000	0.01	2.4	10.5	99.0%	0.024	0.105
Total Emissions BIT-1 & BIT-2				4.8	21.0		0.03	0.12

*Dust Loss Factor taken from Permit T163-7142-00015, plus 1 order magnitude safety factor

Limited PTE

	Control	Flow Rate scfm	PM limit gr/dscf	PM		PM ₁₀		PM _{2.5}	
				lbs/hr ⁽¹⁾	tons/yr	lbs/hr ⁽²⁾	tons/yr	lbs/hr ⁽³⁾	tons/yr
Base Material/Major Additions Dual Manual Bag Dump System #1	BIT-DC1	2,400	0.03	0.6	2.7	1.2	5.3	1.2	5.3
Base Material/Major Additions Dual Manual Bag Dump System #2	BIT-DC2	2,400	0.03	0.6	2.7	1.2	5.3	1.2	5.3
Mixer Dry Powder Loading and Mixing #1	BIT-MVF1	550	0.03	0.1	0.6	0.5	2.2	1.2	5.3
Mixer Dry Powder Loading and Mixing #2	BIT-MVF2	550	0.03	0.1	0.6	0.5	2.2	1.2	5.3
Total Emissions BIT-1 & BIT-2					6.6	3.4	14.9		21.0

Notes:

- (1) PM limit established per 326 IAC 6.5.
- (2) PM₁₀ limit is established for a PSD Minor Limit.
- (3) PM_{2.5} does not require a limit.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Chad Burnett
Mead Johnson And Company LLC
2400 W Lloyd Expwy
Evansville, IN 47721-0001

DATE: March 1, 2010

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

SUBJECT: Final Decision
Part 70 SPM
163-28777-00015

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

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

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

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

Final Applicant Cover letter.dot 11/30/07



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

March 1, 2010

TO: Evansville Vanderburgh Public Library

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

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: Mead Johnson Company LLC
Permit Number: 163-28777-00015

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	CDENNY 3/1/2010 Mead Johnson And Company LLC 163-28777-00015 (final)			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
											Remarks
1		Chad Burnett Mead Johnson And Company LLC 2400 W Lloyd Expwy Evansville IN 47721-0001 (Source CAATS)									
2		James J. Jobe VP - Global Supply Chain Svcs Mead Johnson And Company LLC 2400 W Lloyd Expwy Evansville IN 47721-0001 (RO CAATS)									
3		Evansville City Council and Mayors Office 1NW MLK Blvd, Rm 302 Evansville IN 47708 (Local Official)									
4		Vanderburgh County Commissioners 1 NW MLK Blvd, Rm 305 Evansville IN 47708 (Local Official)									
5		Mr. Charles L. Berger Berger & Berger, Attorneys at Law 313 Main Street Evansville IN 47700 (Affected Party)									
6		Evansville Vanderburg Public Library 200 SE Martin Luther King Jr. Blvd Evansville IN 47708-1694 (Library)									
7		Mr. Randy Brown Plumbers & Steam Fitters Union, Local 136 2300 St. Joe Industrial Park Dr Evansville IN 47720 (Affected Party)									
8		Mr. Don Mottley Save Our Rivers 6222 Yankeetown Hwy Boonville IN 47601 (Affected Party)									
9		Vanderburgh County Health Dept. 420 Milberry Street Evansville IN 47713-1888 (Health Department)									
10		Kim Sherman 3355 Woodview Drive Newburgh IN 47630 (Affected Party)									
11		Mr. John Blair 800 Adams Ave Evansville IN 47713 (Affected Party)									
12		Evansville EPA 100 E. Walnut St. Suite 100, Newsome Center Evansville IN 47713 (Local Official)									
13											
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