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

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: November 28, 2006

RE: General Mills / 043-22938-00050

FROM: Nisha Sizemore
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 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, 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 and IC 13-15-6-1 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 of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER.dot 03/23/06

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New Source Review and Federally Enforceable State Operating Permit OFFICE OF AIR QUALITY

General Mills
707 Pillsbury Lane
New Albany, Indiana 47150

(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. 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.

Indiana statutes from IC 13 and rules from 326 IAC, quoted 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 FESOP under 326 IAC 2-8.

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 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-8-11.1, applicable to those conditions.

Operation Permit No.: F043-22938-00050	
Original signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: November 28, 2006 Expiration Date: November 28, 2011

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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 2-8-3(b)]

The Permittee owns and operates a stationary refrigerated baked goods production process.

Authorized Individual:	Plant Manager
Source Address:	707 Pillsbury Lane, New Albany, Indiana 47150
Mailing Address:	707 Pillsbury Lane, New Albany, Indiana 47150
General Source Phone Number:	(812) 944-8411
SIC Code:	2045
County Location:	Floyd
Source Location Status:	Nonattainment for PM2.5 Nonattainment for ozone under the 8-hour standard Attainment area for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD, Emission Offset and Nonattainment NSR; Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

(a) Two (2) natural gas-fired boilers (BO1 and BO2), designated Nos. 1 and 2, respectively, both installed in 1959, each with maximum heat input rates of 10.1 MMBtu per hour, using No. 2 fuel oil and No. 4 fuel oil as alternate fuels and exhausting through Stack Nos. 125 and 126, respectively;

(b) One (1) natural gas-fired boiler (BO3), designated No. 3, installed in 1966, with a maximum heat input rate of 12.5 MMBtu per hour, using No. 2 fuel oil and No. 4 fuel oil as alternate fuels and exhausting through Stack No. 127;

(c) One (1) pneumatic flour conveyance and storage system with an integral dust collector DC74, exhausting through Stack No. 150;

(d) One (1) pneumatic dusting flour conveyance and storage system (B179), with an integral dust collector RC16002, exhausting inside the building;

(e) One (1) pneumatic sugar conveyance with an air / material separator with an integral dust collector DC103, which exhausts inside the building, and a storage system with a sock vent which exhausts inside the building.

(f) Two (2) pneumatically conveyed ribbon blenders with integral dust collectors DC77 and DC78 exhausting through Stack Nos. 153 and 154, respectively;

(g) First Stage Minors Bin Nos. 1, 2 and 3 with three (3) integral dust collectors designated DC83, DC84 and DC85 exhausting through Stack Nos. 160, 162, and 163, respectively;

(h) One (1) pneumatically conveyed cookie blender with an integral dust collector DC62,

exhausting through Stack No. 8;

(i) One (1) pneumatically conveyed vertical tower bin, designated No. 4, with an integral dust collector DC04, exhausting through Stack No. 20;

(j) One (1) pneumatically conveyed vertical tower bin, designated No. 9, with an integral dust collector DC09, exhausting through Stack No. 21;

(k) One (1) pneumatically conveyed dusting flour reclaim bin with an integral dust collector DC37, exhausting through Stack No. 167;

(l) One (1) pneumatically conveyed horizontal bin with an integral dust collector DC30, exhausting through Stack No. 48;

(m) One (1) pneumatically conveyed sugar grinding bin, designated No. 58, with an integral dust collector DC50, exhausting through Stack No. 55;

(n) One (1) pneumatically conveyed flour cooler with an integral dust collector DC61, exhausting through Stack No. 61;

(o) Two (2) pneumatically conveyed flour reclaim collectors, designated C1L and C2L, with integral dust collectors DC17 and DC16, respectively, exhausting through Stack Nos. 66 and 67, respectively;

(p) One (1) pneumatically conveyed flour reclaim collector, designated PCL, with an integral dust collector DC15, exhausting through Stack No. 68;

(q) One (1) pneumatically conveyed flour reclaim collector, designated HJL, with an integral dust collector DC18, exhausting through Stack No. 69;

(r) One (1) pneumatically conveyed flour reclaim collector, designated BRL, with an integral dust collector DC24, exhausting through Stack No. 71;

(s) One (1) pneumatically conveyed penthouse collector, designated PC, with an integral dust collector DC38, exhausting through Stack No. 98a;

(t) One (1) pneumatically conveyed surge bin, designated PC, with an integral dust collector DC48, exhausting through Stack No. 98b;

(u) Two (2) pneumatically conveyed starch bins, designated Nos. 12 and 13, with integral dust collectors DC12 and DC13, respectively, exhausting through Stack Nos. 104 and 105, respectively;

(v) One (1) pneumatically conveyed flour bin, designated Western, with an integral dust collector DC36, exhausting through Stack No. 108;

(w) Three (3) pneumatically conveyed unloader bins, designated Nos. 1, 2, and 3, with integral dust collectors DC60, DC53, and DC52, respectively, exhausting through Stack Nos. 139, 137, and 138, respectively; and

(x) One (1) upstairs dry mix central vacuum system with an integral dust collector DC109, collecting fugitive raw materials at a maximum rate of 105 pounds per hour, and emissions exhausted through Stack 166.

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

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

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

(1) Three (3) natural gas-fired pest control heaters (AH30, AH31 and AH32), designated Nos. 1, 2, and 3, respectively, with maximum heat input rates of 4.5, 2.725, and 2.725 million (MM) British thermal units (Btu) per hour, respectively, exhausting through Stack Nos. 166, 167, and 179, respectively;

(2) Three (3) natural gas-fired pest control heaters (AH27, AH28 and AH29), designated Nos. 4, 5, and 6, respectively, with maximum heat input rates of 2.0, 2.5 and 2.0 MMBtu per hour, respectively, exhausting through Stack Nos. 85, 135, and 140, respectively;

(3) One (1) natural gas-fired pest control heater (AH26), designated No. 7, with a maximum heat input rate of 0.75 MMBtu per hour, exhausting through Stack No. 142;

(4) One (1) propane fired WWTP flare, with a maximum heat input capacity of 0.036 MMBtu per hour;

(b) One (1) propane-fired boiler, designated No. 4, installed in 1959, with a maximum heat input rate of 1.6 MMBtu per hour, exhausting through Stack No. 128;

(c) Four (4) scrubbers (SB1, SB3, SB3 and SB4), located in PKL Rotoclone, BRL, C1L, and C2L, respectively, for removal of carbon dioxide refrigerant from the employee occupied area, exhausting through Stack Nos. 52, 60, 70, and 65, respectively;

(d) One (1) Safety Kleen cold cleaner degreaser, designated No. 87, with remote reservoir, exhausting inside, constructed in 1988, using a maximum of 0.056 gallons of solvent per day. [326 IAC 8-3-2]

(e) One (1) 12,000 gallon No. 2 fuel oil/ No. 4 fuel oil storage tank, identified as TA77, exhausting through Stack No. 12, constructed in 1978;

(f) Two (2) 14,000 gallon alcohol storage tanks, with four (4) compartments TA64, TA65, TA66 and TA67, exhausting through Stack Nos. 13 and 14, respectively, constructed in 1982 and 1985, respectively;

(g) One (1) stick welding operation; and

(h) One (1) central vacuum system with dust collector DC110, collecting fugitive raw materials at a maximum rate of 480 pounds per hour, and emissions exhausted through Stack 165.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

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 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

(a) This permit, F043-22938-00050, 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, 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 2-8-6]

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 2-8-4(4)]

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 2-8-4(5)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-8-4(5)(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

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

B.8 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.9 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

(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 an "authorized individual" 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) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.10 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(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 15th of each year to:

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

(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 2-8-4(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

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

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

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

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

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

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

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(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.12 Emergency Provisions [326 IAC 2-8-12]

(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 except as provided in 326 IAC 2-8-12.

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

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

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

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

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

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

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
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 2-8-4(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(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 2-8-3(c)(6) 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 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) 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.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

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

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

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

(1) incorporated as originally stated,

(2) revised, or

(3) deleted.

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

B.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

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 2-8-3(h) and 326 IAC 2-8-9.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

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

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

The Quarterly Deviation and Compliance Monitoring Report does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(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 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State 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 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(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 2-8-8(a)]

(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 2-8-8(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-8-8(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 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

(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 2-8-3. 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

(b) 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 2-8 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 Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

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

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

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) 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 approval required by 326 IAC 2-8-11.1 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). 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 2-8-15(b)(2), (c)(1), and (d).

(b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade emissions increases and decreases at in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

(c) Alternative Operating Scenarios [326 IAC 2-8-15(a)]
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 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(d) 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.20 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC13-30-3-1]

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 FESOP 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, at reasonable times, 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, at reasonable times, 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, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

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

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

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][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) 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.24 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][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 2-8-4(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 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period.

(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and

(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

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

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

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

Testing Requirements [326 IAC 2-8-4(3)]

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

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation

not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

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

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

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

The notification which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.12 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.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(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 2-8-4][326 IAC 2-8-5(a)(1)]

C.14 Risk Management Plan [326 IAC 2-8-4] [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 2-8-4] [326 IAC 2-8-5]

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

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

(1) initial inspection and evaluation;

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

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

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

(1) monitoring results;

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

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

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

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

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

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

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

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

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

C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

Stratospheric Ozone Protection

C.19 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 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(a) Two (2) natural gas-fired boilers (BO1 and BO2), designated Nos. 1 and 2, respectively, both installed in 1959, each with maximum heat input rates of 10.1 MMBtu per hour, using No. 2 fuel oil and No. 4 fuel oil as alternate fuels and exhausting through Stack Nos. 125 and 126, respectively;

(b) One (1) natural gas-fired boiler (BO3), designated No. 3, installed in 1966, with a maximum heat input rate of 12.5 MMBtu per hour, using No. 2 fuel oil and No. 4 fuel oil as alternate fuels and exhausting through Stack No. 127;

Insignificant Activity:

(c) One (1) propane-fired boiler, designated No. 4, installed in 1959, with a maximum heat input rate of 1.6 MMBtu per hour, exhausting through Stack No. 128;

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

Emission Limitations and Standards

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

Pursuant to 326 IAC 6-2-3 (d) (Particulate emission limitations for sources of indirect heating: emission limitations for facilities specified in 326 IAC 6-2-1 (b)), particulate emissions from all facilities used for indirect heating purposes which were existing and in operation on or before June 8, 1972, in this case, the four (4) boilers (Nos. 1, 2, 3, and 4), shall in no case exceed 0.8 pounds of particulate matter per million British thermal units heat input.

D.1.2 Sulfur Dioxide (SO2) [326 IAC 7-1.1-1] [326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1 (SO2 Emissions Limitations):

(a) The SO2 emissions from the 12.5 MMBtu per hour oil-fired boiler, Boiler No. 3, shall not exceed five tenths (0.5) pound per MMBtu heat input when burning No. 2 fuel oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

(b) The SO2 emissions from the two (2) 10.1 MMBtu per hour boilers (Boilers Nos. 1 and 2), and the 12.5 MMBtu/hr boiler (Boiler No. 3), shall not exceed one and six-tenths (1.6) pounds per MMBtu heat input when burning No. 4 fuel oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

D.1.3 Fuel Usage [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4(1), the following limits shall apply:

(a) The usage of No. 4 fuel oil with a maximum sulfur content of 1.5% and No. 4 fuel oil equivalents in the three (3) boilers (Boiler Nos. 1, 2 and 3) with a combined heat input rating of 32.7 MMBtu per hour shall be limited to 897,883 U.S. gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, SO2 emissions are limited to less than 100 tons per year.

(b) For purposes of determining compliance, the following shall apply:

(1) Every MMCF of natural gas burned shall be equivalent to 2.7 gallons of No. 4 fuel oil based on SO2 emissions, such that the total gallons of No. 4 fuel oil and No. 4 fuel oil equivalent input does not exceed the limit specified; and

(2) Every 1,000 gallons of No. 2 distillate fuel oil burned with a maximum sulfur content of 0.5% shall be equivalent to 322 gallons of No. 4 fuel oil based on SO2 emissions, such that the total gallons of No. 4 fuel oil and No. 4 fuel oil equivalent input does not exceed the limit specified.

Therefore, the requirements of 326 IAC 2-7 do not apply.

D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Boilers Nos. 1, 2 and 3.

Compliance Determination Requirements

D.1.5 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million Btu heat input when firing No. 2 fuel oil, and one and six-tenths (1.6) pounds per million Btu heat input when firing No. 4 fuel oil by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the three (3) boilers (Boiler Nos. 1, 2 and 3), using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.6 Visible Emissions Notations

(a) Daily visible emission notations of Boilers Nos. 1, 2 and 3 stack exhausts shall be performed during normal daylight operations when burning 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 from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.7 Record Keeping Requirements

(a) To document compliance with Conditions D.1.2 and D.1.3, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO2 emission limits established in Conditions D.1.2 and D.1.3.

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

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) To certify compliance when burning natural gas only, the Permittee shall maintain records of fuel used.

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records, and copies of all reports required by this permit.

(b) To document compliance with Condition D.1.6, the Permittee shall maintain daily records of visible emission notations of the Boilers Nos. 1, 2 and 3 stack exhausts and dates when fuel oil is combusted.

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

D.1.8 Reporting Requirements

(a) 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 report submitted by the Permittee does require the certification by an “authorized individual” as defined by 326 IAC 2-1.1-1.

(b) A quarterly summary of the information to document compliance with Condition D.1.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(a) One (1) pneumatic flour conveyance and storage system with an integral dust collector DC74, exhausting through Stack No. 150;

(b) One (1) pneumatic dusting flour conveyance and storage system (B179), with an integral dust collector RC16002, exhausting inside the building;

(c) One (1) pneumatic sugar conveyance with an air / material separator with an integral dust collector DC103, which exhausts inside the building, and a storage system with a sock vent which exhausts inside the building.

(d) Two (2) pneumatically conveyed ribbon blenders with integral dust collectors DC77 and DC78 exhausting through Stack Nos. 153 and 154, respectively;

(e) First Stage Minors Bin Nos. 1, 2 and 3 with three (3) integral dust collectors designated DC83, DC84 and DC85 exhausting through Stack Nos. 160, 162, and 163, respectively;

(f) One (1) pneumatically conveyed cookie blender with an integral dust collector DC62, exhausting through Stack No. 8;

(g) One (1) pneumatically conveyed vertical tower bin, designated No. 4, with an integral dust collector DC04, exhausting through Stack No. 20;

(h) One (1) pneumatically conveyed vertical tower bin, designated No. 9, with an integral dust collector DC09, exhausting through Stack No. 21;

(i) One (1) pneumatically conveyed dusting flour reclaim bin with an integral dust collector DC37, exhausting through Stack No. 167;

(j) One (1) pneumatically conveyed horizontal bin with an integral dust collector DC30, exhausting through Stack No. 48;

(k) One (1) pneumatically conveyed sugar grinding bin, designated No. 58, with an integral dust collector DC50, exhausting through Stack No. 55;

(l) One (1) pneumatically conveyed flour cooler with an integral dust collector DC61, exhausting through Stack No. 61;

(m) Two (2) pneumatically conveyed flour reclaim collectors, designated C1L and C2L, with integral dust collectors DC17 and DC16, respectively, exhausting through Stack Nos. 66 and 67, respectively;

(n) One (1) pneumatically conveyed flour reclaim collector, designated PCL, with an integral dust collector DC15, exhausting through Stack No. 68;

(o) One (1) pneumatically conveyed flour reclaim collector, designated HJL, with an integral dust collector DC18, exhausting through Stack No. 69;

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

Facility Description cont'd

(p) One (1) pneumatically conveyed flour reclaim collector, designated BRL, with an integral dust collector DC24, exhausting through Stack No. 71;

(q) One (1) pneumatically conveyed penthouse collector, designated PC, with an integral dust collector DC38, exhausting through Stack No. 98a;

(r) One (1) pneumatically conveyed surge bin, designated PC, with an integral dust collector DC48, exhausting through Stack No. 98b;

(s) Two (2) pneumatically conveyed starch bins, designated Nos. 12 and 13, with integral dust collectors DC12 and DC13, respectively, exhausting through Stack Nos. 104 and 105, respectively;

(t) One (1) pneumatically conveyed flour bin, designated Western, with an integral dust collector DC36, exhausting through Stack No. 108;

(u) Three (3) pneumatically conveyed unloader bins, designated Nos. 1, 2, and 3, with integral dust collectors DC60, DC53, and DC52, respectively, exhausting through Stack Nos. 139, 137, and 138, respectively; and

(v) One (1) upstairs dry mix central vacuum system with an integral dust collector DC109, collecting fugitive raw materials at a maximum rate of 105 pounds per hour, and emissions exhausted through Stack 166.

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

Emission Limitations and Standards

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate from each of the process steps listed above except for the four (4) scrubbers shall not exceed the following pounds per hour limitations:

Emissions Unit	Stack ID	Raw Material Throughput (lb/hr)	326 IAC 6-3-2 Allowable Particulates
Cookie Blender	8	200	0.88
Vertical Tower Bin No. 4	20	60,000	40.04
Vertical Tower Bin No. 9	21	60,000	40.04
Dusting Flour Reclaim Bin	167	55,000	37.77
Horizontal Bin	48	60,000	40.04
Sugar Grinding Bin	55	180	0.82
Flour Cooler	61	12,800	14.22
Flour Reclaim Collector C1L	66	1200	2.91
Flour Reclaim Collector C2L	67	1200	2.91
Flour Reclaim Collector PCL	68	200	0.88
Flour Reclaim Collector HJL	69	1200	2.91
Flour Reclaim Collector BRL	71	1200	2.91
Bread Line	72	1282.2	3.04
Penthouse Collector PC	98a	35,000	27.90
Surge Bin	98b	35,000	27.90
Starch Bin No. 12	104	35,000	27.90

Emissions Unit	Stack ID	Raw Material Throughput (lb/hr)	326 IAC 6-3-2 Allowable Particulates
Starch Bin No. 13	105	35,000	27.90
Flour Bin (Western)	108	1200	2.91
Unloader Bin No. 1	137	60,000	40.04
Unloader Bin No. 2	138	25,000	22.27
Unloader Bin No. 3	139	40,000	30.51
Flour Conveyance and Storage System	150	35,000	27.9
Ribbon Blender	153	20,000	19.18
Ribbon Blender	154	20,000	19.18
First Stage Minor Bin No. 1	160	3000	5.38
First Stage Minor Bin No. 2	162	4800	7.37
First Stage Minor Bin No. 3	163	40,000	30.51
Sugar Conveyance	164	9000	11.23
Central Vacuum System	165	480	1.58
Upstairs Dry Mix Central Vacuum System	166	105	0.57

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

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

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

D.2.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.2.3 Particulate Control

(a) The dust collectors for particulate control shall be in operation and control emissions from the pneumatic conveyance steps and the vacuum systems at all times that the pneumatic conveyance steps and the vacuum systems are in operation.

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

Compliance Monitoring Requirements [[326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.2.4 Visible Emissions Notations

(a) Daily visible emission notations of the dust collectors (DC62, DC04, DC09, DC37, DC30, DC50, DC61, DC17, DC16, DC15, DC18, DC24, DC38, DC48, DC12, DC13, DC36, DC53, DC52, DC60, DC110, DC111, DC74, DC77, DC78, DC83, DC84, DC85, DC103, DC109 and upstairs dry mix central vacuum system dust collector) stack exhausts shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

D.2.5 Parametric Monitoring

The Permittee shall record the pressure drop across each of the dust collectors (DC62, DC04, DC09, DC37, DC30, DC50, DC61, DC17, DC16, DC15, DC18, DC24, DC38, DC48, DC12, DC13, DC36, DC53, DC52, DC60, DC110, DC111, DC74, DC77, DC78, DC83, DC84, DC85, DC103, DC109 and upstairs dry mix central vacuum system dust collector) used in conjunction with the pneumatic conveyance steps and the vacuum systems, at least once per day when the process is in operation when venting to the atmosphere. When for any one reading, the pressure drop across any of the dust collectors is outside the normal range as mentioned below in the table, or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the below mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

Dust Collector ID	Pressure Drop Range (inches of water)
DC62	7.0 to 10.0
DC04	2.0 to 5.0
DC09	3.0 to 6.0
DC37	2.0 to 5.0
DC30	1.0 to 4.0
DC50	2.0 to 5.0
DC61	2.0 to 5.0
DC17	2.0 to 5.0
DC16	2.0 to 5.0
DC15	2.0 to 5.0
DC18	2.0 to 5.0
DC24	2.0 to 5.0
DC38	2.0 to 5.0
DC48	2.0 to 5.0
DC12	2.0 to 5.0
DC13	2.0 to 5.0
DC36	2.0 to 5.0
DC53	2.0 to 5.0
DC52	2.0 to 5.0
DC60	2.0 to 5.0
DC109	2.0 to 5.0
DC110	2.0 to 7.0
DC111	2.0 to 7.0
DC74	2.0 to 5.0

Dust Collector ID	Pressure Drop Range (inches of water)
DC77	2.0 to 5.0
DC78	2.0 to 5.0
DC83	2.0 to 5.0
DC84	2.0 to 5.0
DC85	2.0 to 5.0
DC103	3.0 to 6.0

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

D.2.6 Broken or Failed Dust Collectors Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced.

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emission unit.

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

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.7 Record Keeping Requirements

(a) To document compliance with Condition D.2.4, the Permittee shall maintain records of visible emission notations of the dust collectors' stack exhausts once per day.

(b) To document compliance with Condition D.2.5, the Permittee shall maintain records once per day of the pressure drop during normal operation when venting to the atmosphere for each dust collector.

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

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

One (1) Safety Kleen cold cleaner degreaser designated No. 87, with remote reservoir, exhausting inside, constructed in 1988, using a maximum of 0.056 gallons of solvent per day. [326 IAC 8-3-2]

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

Emission Limitations and Standards

D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for the Safety Kleen cold cleaner degreaser constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

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

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

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

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

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

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) 12,000 gallon No. 2 fuel oil/ No. 4 fuel oil storage tank, identified as TA77, exhausting through Stack No. 12, constructed in 1978;

(b) Two (2) 14,000 gallon alcohol storage tanks, with four (4) compartments TA64, TA65, TA66 and TA67, exhausting through Stack Nos. 13 and 14, respectively, constructed in 1982 and 1985, respectively;

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

Emission Limitations and Standards

D.4.1 Volatile Organic Compounds (VOCs) [326 IAC 8-9]

Pursuant to 326 IAC 8-9, the two (2) 14,000 gallon alcohol storage tanks and the one (1) 12,000 gallon No. 2 fuel oil/ No. 4 fuel oil storage tank, shall comply with 326 IAC 8-9-6(a) and (b) which require record keeping.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.4.2 Record Keeping Requirements

(a) To document compliance with Condition D.4.1, the Permittee shall maintain permanent records at the source in accordance with (1) through (3) below:

(1) The identification number of each storage vessel;

(2) The dimension of each storage vessel; and

(3) An analysis showing the capacity of each storage vessel.

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: General Mills
Source Address: 707 Pillsbury Lane, New Albany, IN 47150
Mailing Address: 707 Pillsbury Lane, New Albany, Indiana 47150
FESOP No.: F043-22938-00050

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:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) EMERGENCY OCCURRENCE REPORT

Source Name: General Mills
Source Address: 707 Pillsbury Lane, New Albany, IN 47150
Mailing Address: 707 Pillsbury Lane, New Albany, Indiana 47150
FESOP No.: F043-22938-00050

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

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

A certification is not required for this report.

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
SEMI- ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION

Source Name:	General Mills
Source Address:	707 Pillsbury Lane, New Albany, IN 47150
Mailing Address:	707 Pillsbury Lane, New Albany, Indiana 47150
FESOP No.:	F043-22938-00050

☐ Natural Gas Only
☐ Alternate Fuel burned
From:_____ To:_____

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:
Date:

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: General Mills
Source Address: 707 Pillsbury Lane, New Albany, IN 47150
Mailing Address: 707 Pillsbury Lane, New Albany, Indiana 47150
FESOP No.: F043-22938-00050
Facility: Boilers Nos. 1, 2 and 3
Parameter: No. 4 fuel oil and equivalent usage limit to limit SO2 emissions
Limit: The usage of No. 4 fuel oil with a maximum sulfur content of 1.5% and No. 4 fuel oil equivalents in the three (3) boilers (Boiler Nos. 1, 2 and 3) with a combined heat input rating of 32.7 MMBtu per hour shall be limited to 897,883 U.S. gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. For purposes of determining compliance, the following shall apply:

(a) Every MMCF of natural gas burned shall be equivalent to 2.7 gallons of No. 4 fuel oil based on SO2 emissions, such that the total gallons of No. 4 fuel oil and No. 4 fuel oil equivalent input does not exceed the limit specified; and

(b) Every 1,000 gallons of No. 2 distillate fuel oil burned with a maximum sulfur content of 0.5% shall be equivalent to 322 gallons of No. 4 fuel oil based on SO2 emissions, such that the total gallons of No. 4 fuel oil and No. 4 fuel oil equivalent input does not exceed the limit specified.

YEAR:

Month	Column 1			Column 2	Column 1 + Column 2
	No. 2 fuel oil usage this month (gallons)	No. 4 fuel oil usage this month (gallons)	Total equivalent No. 4 fuel oil usage this month (gallons)	No. 4 fuel oil and equivalent usages previous 11 months (gallons)	No. 4 fuel oil and equivalent usages 12 month total (gallons)
Month 1					
Month 2					
Month 3					

☐ No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE DATA SECTION

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: General Mills
Source Address: 707 Pillsbury Lane, New Albany, IN 47150
Mailing Address: 707 Pillsbury Lane, New Albany, Indiana 47150
FESOP No.: F043-22938-00050

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

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".
☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.
☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

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

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a New Source Review and Federally Enforceable State Operating Permit (FESOP) Transitioning from a MSOP

Source Background and Description

Source Name:	**General Mills**
Source Location:	**707 Pillsbury Lane, New Albany, Indiana 47150**
County:	**Floyd**
SIC Code:	**2045**
Operation Permit No.:	**F043-22938-00050**
Permit Reviewer:	**Alic Bent/EVP**

The Office of Air Quality (OAQ) has reviewed a FESOP application from General Mills relating to the operation of a stationary refrigerated baked goods production process plant and a request to add No. 2 distillate fuel oil and No. 4 fuel oil as alternate fuels in the Nos. 1, 2 and 3 boilers. The Nos. 1, 2 and 3 boilers are currently permitted to burn natural gas.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

(a) Two (2) natural gas-fired boilers, designated Nos. 1 and 2, both installed in 1959, each with maximum heat input rates of 10.1 MMBtu per hour, using No. 2 fuel oil and No. 4 fuel oil as alternate fuels and exhausting through Stack Nos. 125 and 126, respectively;

(b) One (1) natural gas-fired boiler, designated No. 3, installed in 1966, with a maximum heat input rate of 12.5 MMBtu per hour, using No. 2 fuel oil and No. 4 fuel oil as alternate fuels and exhausting through Stack No. 127;

(c) One (1) pneumatic flour conveyance and storage system with an integral dust collector DC74, exhausting through Stack No. 150;

(d) One (1) pneumatic dusting flour conveyance and storage system with an integral dust collector RC16002, exhausting inside the building;

(e) One (1) pneumatic sugar conveyance with an air / material separator with an integral dust collector DC103, which exhausts inside the building, and a storage system with a sock vent which exhausts inside the building.

(f) Two (2) pneumatically conveyed ribbon blenders with integral dust collectors DC77 and DC78 exhausting through Stack Nos. 153 and 154, respectively;

(g) First Stage Minors Bin Nos. 1, 2 and 3 with three (3) integral dust collectors designated DC83, DC84 and DC85 exhausting through Stack Nos. 160, 162, and 163, respectively;

(h) One (1) pneumatically conveyed cookie blender with an integral dust collector DC62, exhausting through Stack No. 8;

(i) One (1) pneumatically conveyed vertical tower bin, designated No. 4, with an integral dust collector DC04, exhausting through Stack No. 20;

(j) One (1) pneumatically conveyed vertical tower bin, designated No. 9, with an integral dust collector DC09, exhausting through Stack No. 21;

(k) One (1) pneumatically conveyed dusting flour reclaim bin with an integral dust collector DC37, exhausting through Stack No. 167;

(l) One (1) pneumatically conveyed horizontal bin with an integral dust collector DC30, exhausting through Stack No. 48;

(m) One (1) pneumatically conveyed sugar grinding bin, designated No. 58, with an integral dust collector DC50, exhausting through Stack No. 55;

(n) One (1) pneumatically conveyed flour cooler with an integral dust collector DC61, exhausting through Stack No. 61;

(o) Two (2) pneumatically conveyed flour reclaim collectors, designated C1L and C2L, with integral dust collectors DC17 and DC16, respectively, exhausting through Stack Nos. 66 and 67, respectively;

(p) One (1) pneumatically conveyed flour reclaim collector, designated PCL, with an integral dust collector DC15, exhausting through Stack No. 68;

(q) One (1) pneumatically conveyed flour reclaim collector, designated HJL, with an integral dust collector DC18, exhausting through Stack No. 69;

(r) One (1) pneumatically conveyed flour reclaim collector, designated BRL, with an integral dust collector DC24, exhausting through Stack No. 71;

(s) One (1) pneumatically conveyed penthouse collector, designated PC, with an integral dust collector DC38, exhausting through Stack No. 98a;

(t) One (1) pneumatically conveyed surge bin, designated PC, with an integral dust collector DC48, exhausting through Stack No. 98b;

(u) Two (2) pneumatically conveyed starch bins, designated Nos. 12 and 13, with integral dust collectors DC12 and DC13, respectively, exhausting through Stack Nos. 104 and 105, respectively;

(v) One (1) pneumatically conveyed flour bin, designated Western, with an integral dust collector DC36, exhausting through Stack No. 108;

(w) Three (3) pneumatically conveyed unloader bins, designated Nos. 1, 2, and 3, with integral dust collectors DC54, DC53, and DC52, respectively, exhausting through Stack Nos. 139, 137, and 138, respectively; and

(x) One (1) upstairs dry mix central vacuum system with an integral dust collector DC109, collecting fugitive raw materials at a maximum rate of 105 pounds per hour, and emissions exhausted through Stack 166.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units operating at this source during this review process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

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

(1) Three (3) natural gas-fired pest control heaters, designated Nos. 1, 2, and 3, with maximum heat input rates of 4.5, 2.725, and 2.725 million (MM) British thermal units (Btu) per hour, respectively, exhausting through Stack Nos. 166, 167, and 179, respectively;

(2) Three (3) natural gas-fired pest control heaters, designated Nos. 4, 5, and 6, with maximum heat input rates of 2.0, 2.5 and 2.0 MMBtu per hour, respectively, exhausting through Stack Nos. 85, 135, and 140, respectively;

(3) One (1) natural gas-fired pest control heater, designated No. 7, with a maximum heat input rate of 0.75 MMBtu per hour, exhausting through Stack No. 142;

(4) One (1) natural gas fired WWTP flare, with a maximum heat input capacity of 0.036 MMBtu per hour;

(b) One (1) propane-fired boiler, designated No. 4, installed in 1959, with a maximum heat input rate of 1.6 MMBtu per hour, exhausting through Stack No. 128;

(c) Four (4) scrubbers, designated PKL Rotoclone, BRL, C1L, and C2L, for removal of carbon dioxide refrigerant from the employee occupied area, exhausting through Stack Nos. 52, 60, 70, and 65, respectively;

(d) One (1) Safety Kleen cold cleaner degreaser, designated No. 87, with remote reservoir, exhausting inside, constructed in 1988, using a maximum of 0.056 gallons of solvent per day; [326 IAC 8-3-2]

(e) One (1) 12,000 gallon No. 2 fuel oil/ No. 4 fuel oil storage tank, exhausting through Stack No. 12, constructed in 1978;

(f) Two (2) 14,000 gallon alcohol storage tanks, exhausting through Stack Nos. 13 and 14, respectively, constructed in 1982 and 1985, respectively;

(g) One (1) stick welding operation;

(h) One (1) bread line with dust collector DC110, exhausting through Stack No. 72; and

(i) One (1) central vacuum system with dust collector DC111, collecting fugitive raw materials at a maximum rate of 480 pounds per hour, and emissions exhausted through Stack 165.

Existing Approvals

The source has been operating under the following previous approval:

MSOP 043-19812-00050, issued on May 6, 2005.

The following terms and conditions from previous approvals have been determined no longer applicable; therefore, were not incorporated into this FESOP:

All MSOP conditions.

Reason not incorporated: The source MSOP conditions are no longer applicable after the issuance of the FESOP.

Air Pollution Control Justification as an Integral Part of the Process

The company has submitted the following justification such that the dust collectors be considered as an integral part of the pneumatic conveyance system:

(a) The dust collectors, which collect and return raw material and ingredients collected to the process shall be considered an integral part of the various pneumatically conveyed bins and collectors.

(b) The production process could not be operated without the dust collectors also being in operation since the dust collectors are required to ensure that all of the raw materials are used in the process.

IDEM, OAQ evaluated the justifications at the time of issuance of the initial MSOP 043-10995-00050 and agreed the dust collectors/baghouses will be considered as an integral part of the process. Therefore, the permitting level will be determined using the potential to emit after the dust collectors/baghouses. Operating conditions in the proposed permit will specify that the dust collectors/baghouses shall operate at all times when the pneumatic conveyance system is in operation.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the FESOP be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete FESOP application for the purposes of this review was received on August 9, 2006.

There was no notice of completeness letter mailed to the source.

Emission Calculations

See Appendix A: pages 1 through 13 of this document for detailed emission calculations.

Potential to Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source or emissions 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, inclulding 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, the department, or the appropriate local air pollution control agency."

Pollutant	Potential to Emit (tons/yr)
PM	Less than 100
PM-10	Less than 100
SO_2	Greater than 100
VOC	Less than 100
CO	Less than 100
NO_x	Less than 100

HAPs	Potential to Emit (tons/yr)
Hexane	0.40
Formaldehyde	0.02
Total	0.42

(a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of SO_2 is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7. The source will be issued a FESOP because the source will limit its emissions below the Title V levels.

(b) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Potential to Emit After Issuance

The source has opted to become a FESOP source. The table below summarizes the potential to emit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this FESOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit. The source's potential to emit is based on MSOP 043-19812-00050 issued on May 6, 2005 with the addition of No. 2 distillate fuel oil and No. 4 fuel oil as alternate fuels in the Nos. 1, 2 and 3 boilers.

	Potential To Emit (tons/year)						
Process/ emission unit	PM	PM-10	SO_2	VOC	CO	NO_x	HAPs
Boilers #1, #2 & #3	10.91	8.71	< 99.0 (1)	0.79	12.03	27.88	Single HAP – 0.40 Total HAPs – 0.42
Conveying & Handling	54.18	54.18	0.00	0.00	0.00	0.00	0.00
Insignificant Activities*	0.22	0.62	0.14	0.80	6.48	8.69	Neg.
Total Emissions	65.09	63.51	< 100	1.59	18.51	36.57	Single HAP < 10 Total HAPs < 25

* Insignificant activities include boiler #4, degreasing, welding, pest control heaters and flare.
(1) Limited PTE reflects fuel oil usage limitations in order to comply with 326 IAC 2-8 (FESOP).

County Attainment Status

The source is located in Floyd County.

Pollutant	Status
PM2.5	Nonattainment
PM-10	Attainment
SO_2	Attainment
NO_2	Attainment
8-hour Ozone	Basic Nonattainment
CO	Attainment
Lead	Attainment

(a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Floyd County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

(b) U.S.EPA in Federal Register Notice 70 FR 943 dated January 5, 2005 has designated Floyd County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office on behalf of IDEM filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of non-attainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.

(c) Floyd County has been classified as attainment or unclassifiable in Indiana for all other pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.

(d) On August 7, 2006, a temporary emergency rule took effect revoking the one-hour ozone standard in Indiana. The Indiana Air Pollution Control Board has approved a permanent rule revision to incorporate these changes into 326 IAC 1-4-1. The permanent revision to 326 IAC 1-4-1 will take effect prior to the expiration of the emergency rule.

Source Status

Existing Source PSD, Part 70, or FESOP Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/yr)
PM	56.55
PM-10	57.83
SO_2	0.13
VOC	1.95
CO	20.38
NO_x	22.64
Single HAP	0.40
Combination HAPs	0.42

(a) This existing source is not a major stationary source under 326 IAC 2-2 because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater and it is not in one of the 28 listed source categories.

(b) This existing source is not a major stationary source under 326 IAC 2-3 because no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or greater and it is not in one of the 28 listed source categories.

(c) These emissions were based on MSOP 043-19812-00050 issued on May 6, 2005.

Federal Rule Applicability

(a) The New Source Performance Standard, (40 CFR 60.40c, Subpart Dc) Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units are not included in the permit for the four (4) boilers, designated as Boilers #1, #2, #3 and #4. The New Source Performance Standard (NSPS) (326 IAC 12 and 40 CFR Part 60, Subpart Dc) applies to 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 (MM Btu/hr) or less, but greater than or equal to 2.9 MW (10 MM Btu/hr)). Boilers #1 and #2 were constructed in 1959 and Boiler #3 was constructed in 1966, before the June 9, 1989, rule applicability date. Boiler #4 has a maximum design heat input capacity of 1.6 MM Btu/hr which is less than the 10 MM Btu/hr threshold and it was also constructed in 1959, before the June 9, 1989, rule applicability date.

The proposed change to the fuel fired in Boilers Nos. 1, 2 and 3 is not considered a modification under the requirements of the New Source Performance Standard, (40 CFR 60.40c, Subpart Dc) Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. According to 40 CFR 60.14(e)(4), the use of an alternative fuel is not considered a modification if the existing facility was designed to use the alternative fuel prior to the effective date of the applicable subpart. Although Boilers Nos. 1, 2 and 3 each have a maximum design heat input capacity of greater than 10 MM Btu per hour, the boilers as originally constructed are equipped to burn fuel oils. Therefore, the requirements of Subpart Dc are not included in the permit.

(b) The requirements of the New Source Performance Standards, (40 CFR 60.110, Subpart K) Standards of Performance for Storage Vessels for Petroleum Liquids applies to storage vessels for which construction, reconstruction, or modification commenced after June 11, 1973, and prior to May 19, 1978. The requirements of subpart K are not included in the permit because the one (1) 12,000 gallon No. 2 fuel oil/ No. 4 fuel oil storage tank, exhausting through Stack No. 12 has a capacity less than 40,000 gallons.

(c) The requirements of the New Source Performance Standards, (40 CFR 60.110a, Subpart Ka) Standards of Performance for Storage Vessels for Petroleum Liquids applies to storage vessels for which construction, reconstruction, or modification commenced after May 18, 1978, and prior to July 23, 1984. The requirements of subpart Ka are not included in the permit because the one (1) 12,000 gallon No. 2 fuel oil/ No. 4 fuel oil storage tank, exhausting through Stack No. 12 and the one (1) 14,000 gallon alcohol storage tank exhausting through Stack No. 13 each has a capacity less than 40,000 gallons.

(d) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.110b, Subpart Kb) “Standards of Performance for Volatile Organic Liquid Storage Vessels” applies to storage vessels with a capacity greater than or equal to 75 cubic meters (m^3) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984. The requirements of subpart Kb are not included in the permit for the one (1) 12,000 gallon No. 2 fuel oil/ No. 4 fuel oil storage tank and the one (1) 14,000 gallon alcohol storage tank exhausting through Stack Nos. 12 and 13, respectively, because they were both constructed before the July 23, 1984 rule applicability date.

(e) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.110b, Subpart Kb) “Standards of Performance for Volatile Organic Liquid Storage Vessels” are not included in the permit for the one (1) 14,000 gallon alcohol storage tank exhausting through Stack No. 14. Although it was constructed in 1985, after the July 23, 1984 rule applicability date, the tank has a storage capacity of less than 75 cubic meters.

(f) The requirements of National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (Subpart DDDDD) are not included in the permit for the four (4) boilers, designated as Boilers #1, #2, #3 and #4 because they are not located at a major source of hazardous air pollutants pursuant to 40 CFR Part 63.2.

(g) The requirements of National Emission Standards for Hazardous Air Pollutants, 326 IAC 20, (40 CFR 63, Subpart T) are not included in the permit for the Safety Kleen cold cleaner degreaser because Subpart T applies to degreasing operations using one of six listed halogenated solvents, or any combination of the solvents in a concentration greater than 5 percent by weight, as a cleaning or drying agent and this source does not use the regulated halogenated solvents in the degreasing operation.

(h) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) included in this permit for this source.

(i) The requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not applicable to this source. Such requirements apply to a pollutant-specific emissions unit (PSEU), as defined in 40 CFR 64.1, at a major source that is required to obtain a Part 70 or 71 permit if the PSEU meets the following criteria:

(1) The unit is subject to an emission limitation or standard for an applicable regulated air pollutant,

(2) The unit uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard, and

(3) The unit has a potential to emit (PTE) before controls equal to or greater than 100 percent of the amount (tons per year) of the pollutant required for a source to be classified as a Part 70 major source.

This source is a FESOP source and is not a major Part 70 source. Therefore, the requirements of 40 CFR 64, Compliance Assurance Monitoring, are not applicable to this source.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This source was originally constructed in 1959, which is before the August 7, 1977 rule applicability date. Pursuant to 326 IAC 2-2 (PSD), this source was a minor stationary source in 1959 since it is not one of the 28 listed source categories and it had the potential to emit less than 250 tons per year of all regulated pollutants. Modifications thereafter are not subject to the requirements of 326 IAC 2-2 (PSD) because the source-wide potential emissions of all regulated pollutants remains less than 250 tons per year and it is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2. The source has still maintained its minor PSD status.

326 IAC 2-3 (Emission Offset)

Floyd County was designated as basic nonattainment for the 8-hour ozone standard on June 15, 2004. VOC and NO_X emissions are considered when evaluating the rule applicability relating to the 8-hour ozone standard. The source wide potential to emit of VOC and NO_X is 1.80 and 21.19 tons per year respectively. The source is classified as minor for the purpose of Emission Offset. Since the VOC and NOx emissions from the modification are less than the Emission Offset significant level, the requirements of Emission Offset, 326 IAC 2-3 do not apply.

Nonattainment NSR

Floyd County has been designated as nonattainment for PM 2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled “Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas” authored by Steve Page, Director of OAQPS, until EPA promulgates the PM2.5 major NSR regulations, states should assume that a major stationary source’s PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. A major source in a nonattainment area is a source that emits or has the potential to emit one hundred (100) tons per year of any nonattainment regulated pollutant. General Mills has a limited source-wide potential to emit of PM10 below one hundred (100) tons per year. Therefore, assuming that PM10 emissions represent PM2.5 emissions, Nonattainment NSR does not apply for PM2.5.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of this source will emit less than 10 tons per year of a single HAP or 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

Pursuant to 326 IAC 2-6-1, this source is not subject to this rule because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake or Porter counties, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.

326 IAC 2-8-4 (FESOP)

This source is subject to 326 IAC 2-8-4 (FESOP). Pursuant to this rule, the combined usage of No. 4 fuel oil with a maximum sulfur content of 1.5% and No. 4 fuel oil equivalents in the three (3) boilers (Boiler #s 1, 2 and 3) with a combined heat input rating of 32.7 MMBtu per hour shall be limited to 897,883 U.S. gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, SO2 emissions are limited to less than 100 tons per year. For purposes of determining compliance, the following shall apply:

(a) Every MMCF of natural gas burned shall be equivalent to 2.7 gallons of No. 4 fuel oil based on SO2 emissions, such that the total gallons of No. 4 fuel oil and No. 4 fuel oil equivalent input does not exceed the limit specified;

(b) Every 1,000 gallons of No. 2 distillate fuel oil with a maximum sulfur content limit of 0.5% burned shall be equivalent to 322 gallons of No. 4 fuel oil with a maximum sulfur content limit of 1.5% based on SO2 emissions, such that the total gallons of No. 4 fuel oil and No. 4 fuel oil equivalent input does not exceed the limit specified.

Therefore, the requirements of 326 IAC 2-7 (part 70) do not apply.

326 IAC 5-1 (Opacity Limitations)

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 the permit:

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

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

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.

State Rule Applicability – Individual Facilities

326 IAC 6-2-3 (Particulate Emission Limitations for Facilities Specified in 326 IAC 6-2-1(c))

This rule establishes limitations for sources of indirect heating, not located in the counties specified in 326 IAC 6-2-1(b), which were existing and in operation or which received permits to construct prior to September 21, 1983. The four (4) boilers (Nos. 1, 2, 3, and 4), each constructed before September 21, 1983, are subject to 326 IAC 6-2-3 because they are not located in any of the specifically listed counties in 326 IAC 6-2-1(b). Pursuant to this rule, the PM emissions from each of the four boilers based on a total heat input rate of 34.3 MMBtu per hour shall be limited to 0.94 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

where:

Pt = Pounds of particulate matter emitted per MMBtu heat input.
C = Maximum ground level concentration with respect to distance from the point source at the "critical" wind speed for level terrain = 50 μ/m^3
a = Plume rise factor = 0.67
h = Stack height = 43 ft
Q = Total source maximum operating capacity rating in MMBtu per hour = 34.3 MMBtu/hr
N = Number of stacks in fuel burning operation = 4

$$Pt = \frac{50 \times 0.67 \times 43}{76.5 \times 34.3^{0.75} \times 4^{0.25}} = 0.94 \text{ lb/MMBtu}$$

However, pursuant to 326 IAC 6-2-3(d), the allowable particulate emissions from all facilities used for indirect heating purposes which were existing and in operation on or before June 8, 1972, shall in no case exceed 0.80 pound per MMBtu heat input. Therefore, the allowable PM emissions from each of the four (4) boilers is 0.80 pound per MMBtu heat input. This is equivalent to a PM emission limit for each of boilers No. 1, 2, 3, and 4 of 8.1, 8.1, 10.0, and 1.28 pounds per hour, respectively. The PM emissions from the four (4) boilers (Nos. 1, 2, 3, and 4), are 1.76, 1.76, 2.17 and 0.003 pounds per hour, respectively (see Appendix A, page 2 and 4 of 6 for detailed emission calculations). Therefore, all the four (4) boilers can comply with this limit.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

Pursuant to 326 IAC 7-1.1:

(a) The sulfur dioxide emissions from the 12.5 MMBtu/hr boiler (Boiler No. 3), shall be limited to 0.5 lb/MMBtu heat input when burning No. 2 distillate oil. This equates to a fuel oil sulfur content limit of 0.5%. Therefore, the sulfur content of the fuel must be less than or equal to 0.5% in order to comply with this rule. The source will comply with this rule by using No. 2 distillate oil with a sulfur content of 0.5% or less in the boiler.

The two (2) 10.1 MMBtu per hour boilers, Boilers Nos. 1 and 2, are not subject to the requirements of this rule when burning No. 2 distillate oil because potential SO_2 emissions from each of these units are less than 25 tons per year.

(b) Pursuant to this rule, the sulfur dioxide emissions from the two (2) 10.1 MMBtu per hour boilers (Boilers Nos. 1 and 2), and the 12.5 MMBtu/hr boiler (Boiler No. 3), shall be limited to 1.6 pounds per MMBtu heat input when burning No. 4 fuel oil. This equates to a No. 4 fuel oil sulfur content limit of 1.5%. Therefore, the sulfur content of the fuel must be less than or equal to 1.5% in order to comply with this rule. The source will comply with this rule by using No. 4 fuel oil with a sulfur content of 1.5% or less in the boilers.

326 IAC 7-2-1 (Sulfur Dioxide Reporting Requirements)

This source is subject to 326 IAC 7-2-1 (Reporting Requirements). This rule requires the source to submit to the Office of Air Quality upon request records of sulfur content, heat content, fuel consumption, and sulfur dioxide emission rates based on a calendar-month average.

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

(a) The particulate from each of the process steps shall be limited by the following:

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

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

The allowable limits for each of the process steps at the source are provided in the calculations in Appendix A, page 12 of 13. The potential emissions from each process step is less than the allowable emissions, therefore, the facilities are in compliance with the rule.

(b) The stick welding equipment is not subject to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes). This activity is exempt from this rule pursuant to 326 IAC 6-3-1(b)(9) because it uses 4.32 pounds of welding wire per day on a potential basis, which is less than the 625 lbs of wire/day threshold.

326 IAC 8-3-2 (Cold Cleaner Operations)

The Safety Kleen cold cleaner degreaser is subject to the requirements of this rule. This rule applies to new facilities after January 1, 1980 performing organic solvent degreasing operations located anywhere in the state. Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

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

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

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

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

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

326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control)

The Safety Kleen cold cleaner degreaser is not subject to the requirements of this rule. This rule applies to existing cold cleaner degreasers as of July 1, 1990 and new cold cleaner degreasers constructed after July 1, 1990 without remote solvent reservoirs performing organic solvent degreasing operations located in Clark, Elkhart, Floyd, Lake, Marion, Porter, and St. Joseph Counties existing as of July 1, 1990. The Safety Kleen cold cleaner degreaser is a remote reservoir cleaner. Therefore, the requirements of this rule does not apply.

326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)

Pursuant to 326 IAC 8-9-1, on or after October 1, 1995, this rule applies to stationary vessels used to store volatile organic liquid that are located in Clark, Floyd, Lake or Porter County. The one (1) fuel oil storage tank and the two (2) alcohol storage tanks are subject to 326 IAC 8-9-6 (a) and (b) (Record Keeping Requirements) of this section because each tank has a storage capacity of less than thirty-nine thousand (39,000) gallons.

326 IAC 10-1 (Nitrogen Oxides Control in Clark and Floyd Counties)

This source is not subject to this rule. This rule applies any stationary source located in Clark or Floyd County that exists on or before May 13, 1996 and that emits or has the potential to emit greater than or equal to one hundred (100) tons per year or more of NOx from all facilities at the source. This rule also applies to facilities requiring a permit under 326 IAC 2 that are constructed, modified, or reconstructed after May 13, 1996 and to which a new source performance standard (NSPS) does not apply. This source is located in Floyd County, a specifically listed county, but the source-wide potential to emit of NOx from this source is less than 100 tons per year. In addition, the proposed change to the fuel fired in Boilers Nos. 1, 2 and 3 is not considered a modification since the boilers as originally constructed are equipped to burn fuel No. 2 and No. 4 fuel oils. Therefore, the requirements of this rule are not applicable.

Testing Requirements

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also 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 approporiate corrective actions within a specific time period.

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

1. The dust collectors (DC62, DC04, DC09, DC37, DC30, DC50, DC61, DC17, DC16, DC15, DC18, DC24, DC38, DC48, DC12, DC13, DC36, DC53, DC52, DC54, DC110, DC111, DC74, DC77, DC78, DC83, DC84, DC85, DC103, DC109 and upstairs dry mix central vacuum system dust collector) have applicable compliance monitoring conditions as specified below:

   (a) Daily visible emission notations of the dust collectors (DC62, DC04, DC09, DC37, DC30, DC50, DC61, DC17, DC16, DC15, DC18, DC24, DC38, DC48, DC12, DC13, DC36, DC53, DC52, DC54, DC110, DC111, DC74, DC77, DC78, DC83, DC84, DC85, DC103, DC109 and upstairs dry mix central vacuum system dust collector) stack exhausts shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

   (f) The Permittee shall record the pressure drop across each of the dust collectors (DC62, DC04, DC09, DC37, DC30, DC50, DC61, DC17, DC16, DC15, DC18, DC24, DC38, DC48, DC12, DC13, DC36, DC53, DC52, DC54, DC110, DC111, DC74, DC77, DC78, DC83, DC84, DC85, DC103, DC109 and upstairs dry mix central vacuum system dust collector) used in conjunction with the pneumatic conveyance steps and the vacuum systems, at least once per day when the process is in operation when venting to the atmosphere. When for any one reading, the pressure drop across any of the dust collectors is outside the normal range as mentioned below in the table, or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the below mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

Dust Collector ID	Pressure Drop Range (inches of water)
DC62	7.0 to 10.0
DC04	2.0 to 5.0
DC09	3.0 to 6.0
DC37	2.0 to 5.0
DC30	1.0 to 4.0

Dust Collector ID	Pressure Drop Range (inches of water)
DC50	2.0 to 5.0
DC61	2.0 to 5.0
DC17	2.0 to 5.0
DC16	2.0 to 5.0
DC15	2.0 to 5.0
DC18	2.0 to 5.0
DC24	2.0 to 5.0
DC38	2.0 to 5.0
DC48	2.0 to 5.0
DC12	2.0 to 5.0
DC13	2.0 to 5.0
DC36	2.0 to 5.0
DC53	2.0 to 5.0
DC52	2.0 to 5.0
DC54	2.0 to 5.0
DC109	2.0 to 5.0
DC110	2.0 to 7.0
DC111	2.0 to 7.0
DC74	2.0 to 5.0
DC77	2.0 to 5.0
DC78	2.0 to 5.0
DC83	2.0 to 5.0
DC84	2.0 to 5.0
DC85	2.0 to 5.0
DC103	3.0 to 6.0

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

(g) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced.

(h) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emission unit.

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

These monitoring conditions are necessary because the dust collectors must operate properly to ensure compliance with 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), 326 IAC 2-8 (FESOP) and 326 IAC 2-2 (PSD).

2. Boilers Nos. 1, 2 and 3 have applicable compliance monitoring conditions as specified below:

(a) Daily visible emission notations of Boilers Nos. 1, 2 and 3 stack exhausts shall be performed during normal daylight operations when burning 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 from this permit.

Conclusion

The operation of this stationary refrigerated baked goods production process plant shall be subject to the conditions of the FESOP 043-22938-00050.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the
Technical Support Document (TSD) for a New Source Review and Federally Enforceable State Operating Permit (FESOP)

Source Background and Description

Source Name:	**General Mills**
Source Location:	**707 Pillsbury Lane, New Albany, Indiana 47150**
County:	**Floyd**
SIC Code:	**2045**
Operation Permit No.:	**FESOP 043-22938-00050**
Permit Reviewer:	**Alic Bent /EVP**

On October 13, 2006, the Office of Air Quality (OAQ) had a notice published in the New Albany Tribune, New Albany, Indiana, stating that General Mills had applied for a Federally Enforceable State Operating Permit (FESOP) to operate a refrigerated baked goods production process. The notice also stated that OAQ proposed to issue a FESOP for this operation and provided information on how the public could review the proposed FESOP 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 FESOP should be issued as proposed.

On October 31, 2006, OAQ received comments from General Mills on the proposed permit. Upon further consideration, IDEM, OAQ has decided to make changes to the permit as indicated below. The summary of the comments and corresponding responses is shown below. Changes made to the permit as a result of the comments are shown in bold and deleted permit language is shown with a line through it.

Comment 1

Under section A.2 item (w) DC54 has been removed totally. It was replaced with DC60 in the same location. Also, under A.3 item (h) DC110 is the same as A.2 item (n) and under A.3 item (i) the DC111 should be DC110.

Response to Comment 1

The descriptive information in Sections A.2 and A.3 have been revised to correct the facility identifications for items A.2 (w) and A.3 (i) and to remove item A.3 (h). Also, the descriptive information in Section D.2 item (u) and Conditions D.2.4 and D.2.5 have been revised to correct the facility identification.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

(w) Three (3) pneumatically conveyed unloader bins, designated Nos. 1, 2, and 3, with integral dust collectors ~~DC54~~ **DC60**, DC53, and DC52, respectively, exhausting through Stack Nos. 139, 137, and 138, respectively; and

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

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

(g) One (1) stick welding operation; **and**

~~(h) One (1) bread line with dust collector DC110, exhausting through Stack No. 72; and~~

~~(i)~~**(h)** One (1) central vacuum system with dust collector ~~DC111~~ **DC110**, collecting fugitive raw materials at a maximum rate of 480 pounds per hour, and emissions exhausted through Stack 165.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description cont'd

(u) Three (3) pneumatically conveyed unloader bins, designated Nos. 1, 2, and 3, with integral dust collectors ~~DC54~~ **DC60**, DC53, and DC52, respectively, exhausting through Stack Nos. 139, 137, and 138, respectively; and

(v) One (1) upstairs dry mix central vacuum system with an integral dust collector DC109, collecting fugitive raw materials at a maximum rate of 105 pounds per hour, and emissions exhausted through Stack 166.

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

D.2.4 Visible Emissions Notations

(a) Daily visible emission notations of the dust collectors (DC62, DC04, DC09, DC37, DC30, DC50, DC61, DC17, DC16, DC15, DC18, DC24, DC38, DC48, DC12, DC13, DC36, DC53, DC52, ~~DC54~~ **DC60**, DC110, DC111, DC74, DC77, DC78, DC83, DC84, DC85, DC103, DC109 and upstairs dry mix central vacuum system dust collector) stack exhausts shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

D.2.5 Parametric Monitoring

The Permittee shall record the pressure drop across each of the dust collectors (DC62, DC04, DC09, DC37, DC30, DC50, DC61, DC17, DC16, DC15, DC18, DC24, DC38, DC48, DC12, DC13, DC36, DC53, DC52, ~~DC54~~ **DC60**, DC110, DC111, DC74, DC77, DC78, DC83, DC84, DC85, DC103, DC109 and upstairs dry mix central vacuum system dust collector) used in conjunction with the pneumatic conveyance steps and the vacuum systems, at least once per day when the process is in operation when venting to the atmosphere. When for any one reading, the pressure drop across any of the dust collectors is outside the normal range as mentioned below in the table, or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the below mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

Dust Collector ID	Pressure Drop Range (inches of water)
~~DC54~~ **DC60**	2.0 to 5.0
DC109	2.0 to 5.0

Comment 2

On the D.2.5 - Parametric Monitoring section.

We need to add the following statement: "If the pressure drop is lower than the range stated and the visual emission is clear, this is not considered an excursion. This can occur for various reasons such as new socks, pulsers had just completed a cycle, someone had manually blown down the baghouse."

Response to Comment 2

IDEM believes that the pressure drop across a baghouse, in addition to visible emissions, is a key parameter in determining the performance of the baghouse. OAQ considers both upper and lower limits of pressure drops are important factors in determining whether the baghouse is operating properly. A pressure drop reading below the specifications could indicate the existence of holes or tears in the bag. A pressure drop higher than the upper limit could indicate the clogging or an excessive cake layer on the bags which may cause the malfunction of the control device and eventually lead to uncontrolled particulate escaping from the emission points. A pressure reading that is outside the operational range of the unit is not a deviation from the permit. However, failure to take response steps in accordance with Section C - Response to Excursions or Exceedances after observing a pressure drop that is outside the normal range, is considered a deviation from this permit. Part of the Permittee's response step could be to check if a cleaning cycle has taken place. Then, if one has the Permittee could continue to monitor the pressure drop to ensure it returns to the correct range. Therefore, IDEM has determined that it is not necessary to change the current Parametric Monitoring language in the permit to address excursions.

Upon further review, the OAQ has decided to make the following descriptive changes to Sections A.2, A.3, D.1, D.2 and D.4. Bolded language has been added and the language with a line through it has been deleted.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

(a) Two (2) natural gas-fired boilers **(BO1 and BO2)**, designated Nos. 1 and 2, **respectively,** both installed in 1959, each with maximum heat input rates of 10.1 MMBtu per hour, using No. 2 fuel oil and No. 4 fuel oil as alternate fuels and exhausting through Stack Nos. 125 and 126, respectively;

(b) One (1) natural gas-fired boiler **(BO3)**, designated No. 3, installed in 1966, with a maximum heat input rate of 12.5 MMBtu per hour, using No. 2 fuel oil and No. 4 fuel oil as alternate fuels and exhausting through Stack No. 127;

(c) One (1) pneumatic flour conveyance and storage system with an integral dust collector DC74, exhausting through Stack No. 150;

(d) One (1) pneumatic dusting flour conveyance and storage system **(B179),** with an integral dust collector RC16002, exhausting inside the building;

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

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

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

(1) Three (3) natural gas-fired pest control heaters **(AH30, AH31 and AH32)**, designated Nos. 1, 2, and 3, **respectively,** with maximum heat input rates of 4.5, 2.725, and 2.725 million (MM) British thermal units (Btu) per hour, respectively, exhausting through Stack Nos. 166, 167, and 179, respectively;

(2) Three (3) natural gas-fired pest control heaters **(AH27, AH28 and AH29)**, designated Nos. 4, 5, and 6, **respectively,** with maximum heat input rates of 2.0, 2.5 and 2.0 MMBtu per hour, respectively, exhausting through Stack Nos. 85, 135, and 140, respectively;

(3) One (1) natural gas-fired pest control heater **(AH26)**, designated No. 7, with a maximum heat input rate of 0.75 MMBtu per hour, exhausting through Stack No. 142;

(4) One (1) ~~natural gas~~ **propane** fired WWTP flare, with a maximum heat input capacity of 0.036 MMBtu per hour;

(b) One (1) propane-fired boiler, designated No. 4, installed in 1959, with a maximum heat input rate of 1.6 MMBtu per hour, exhausting through Stack No. 128;

(c) Four (4) scrubbers **(SB1, SB3, SB3 and SB4)**, ~~designated~~ **located in** PKL Rotoclone, BRL, C1L, and C2L, **respectively,** for removal of carbon dioxide refrigerant from the employee occupied area, exhausting through Stack Nos. 52, 60, 70, and 65, respectively;

(d) One (1) Safety Kleen cold cleaner degreaser, designated No. 87, with remote reservoir, exhausting inside, constructed in 1988, using a maximum of 0.056 gallons of solvent per day. [326 IAC 8-3-2]

(e) One (1) 12,000 gallon No. 2 fuel oil/ No. 4 fuel oil storage tank, **identified as TA77,** exhausting through Stack No. 12, constructed in 1978;

(f) Two (2) 14,000 gallon alcohol storage tanks, **with four (4) compartments TA64, TA65, TA66 and TA67,** exhausting through Stack Nos. 13 and 14, respectively, constructed in 1982 and 1985, respectively;

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(a) Two (2) natural gas-fired boilers **(BO1 and BO2)**, designated Nos. 1 and 2, **respectively,** both installed in 1959, each with maximum heat input rates of 10.1 MMBtu per hour, using No. 2 fuel oil and No. 4 fuel oil as alternate fuels and exhausting through Stack Nos. 125 and 126, respectively;

(b) One (1) natural gas-fired boiler **(BO3)**, designated No. 3, installed in 1966, with a maximum heat input rate of 12.5 MMBtu per hour, using No. 2 fuel oil and No. 4 fuel oil as alternate fuels and exhausting through Stack No. 127;

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description cont'd

(b) One (1) pneumatic dusting flour conveyance and storage system **(B179),** with an integral dust collector RC16002, exhausting inside the building;

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

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) 12,000 gallon No. 2 fuel oil/ No. 4 fuel oil storage tank, **identified as TA77,** exhausting through Stack No. 12, constructed in 1978;

(b) Two (2) 14,000 gallon alcohol storage tanks, **with four (4) compartments TA64, TA65, TA66 and TA67,** exhausting through Stack Nos. 13 and 14, respectively, constructed in 1982 and 1985, respectively;

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

The OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented as part of the record regarding this permit decision.

1. Appendix A (see Appendix A ATSD calculations) has been revised to include the minor source pollutant modeling summary for the addition of No. 2 distillate fuel oil and No. 4 fuel oil as alternate fuels in the Nos. 1, 2 and 3 boilers. Appendix A (see Appendix A ATSD calculations) has also been revised to include emission calculations for the WWWTP flare based on propane usage and to delete the emission calculations based on natural gas usage.

2. IDEM conducted an Air Quality Impacts from Minor Sources analysis as discussed below:

Air Quality Impacts from Minor Sources

Modeling Overview
Pursuant to 326 IAC 2-1.1-5, IDEM, OAQ, has conducted a modeling analysis of the Limited Potential to Emit (PTE) criteria pollutants from this proposed New Source Review and FESOP to estimate whether the Limited PTE criteria pollutants will cause or contribute to a violation of any National Ambient Air Quality Standard (NAAQS).

Modeling Results – Criteria Pollutants
The modeling results indicate that the Limited PTE criteria pollutants from this New Source Review and FESOP will not exceed the National Ambient Air Quality Standards (NAAQS).

Appendix A: Emission Calculations Summary

Company Name: **General Mills**
Address City IN Zip: **707 Pillsbury Lane, New Albany, Indiana 47150**
FESOP No.: **043-22938-00050**
Reviewer: **Alic Bent/EVP**

Potential Emissions (tons/year)

	Emissions Generating Activity						
Pollutant	Propane Combustion	Natural Gas * Combustion	Boilers #1, #2 & #3 Worst Case Emissions	Conveying and Handling	Degreasing**	Welding Operation	**TOTAL**
PM	0.04	0.16	24.90	55.38	0.00	0.018	80.50
PM10	0.04	0.56	19.80	55.38	0.00	0.018	75.80
SO2	0.11	0.04	225.60	0.00	0.00	0.00	225.75
NOx	1.17	7.54	20.50	0.00	0.00	0.00	29.21
VOC	0.05	0.42	1.00	0.00	0.33	0.00	1.80
CO	0.16	6.32	5.10	0.00	0.00	0.00	11.58
total HAPs	neg	neg	0.42	0.00	0.00	0.00	0.42
worst case single HAP	neg	neg	0.40	0.00	0.00	0.00	0.40

Controlled Emissions (tons/year)

	Emissions Generating Activity						
Pollutant	Propane Combustion	Natural Gas * Combustion	Boilers #1, #2 & #3 Worst Case Emissions	Conveying and Handling	Degreasing**	Welding Operation	**TOTAL**
PM	0.04	0.16	10.91	54.18	0.00	0.018	65.31
PM10	0.04	0.56	8.71	54.18	0.00	0.018	63.51
SO2	0.11	0.04	99.00	0.00	0.00	0.00	99.15
NOx	1.17	7.54	27.88	0.00	0.00	0.00	36.59
VOC	0.05	0.42	0.79	0.00	0.33	0.00	1.59
CO	0.16	6.32	12.03	0.00	0.00	0.00	18.51
total HAPs	neg	neg	0.42	0.00	0.00	0.00	0.42
worst case single HAP	neg	neg	0.40	0.00	0.00	0.00	0.40

Total emissions based on rated capacity at 8,760 hours/year.

PM emissions are assumed to be equal to PM10 emissions for the conveying and handling operations.

* Natural gas combustion includes the seven (7) pest control heaters.

** Degreaser emissions are based on intial MSOP No. 043-10995-00050, issued on November 9, 1999.

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Boilers and Pest Control Heaters

Company Name: **General Mills**
Address City IN Zip: **707 Pillsbury Lane, New Albany, Indiana 47150**
FESOP No.: **043-22938-00050**
Reviewer: **Alic Bent/EVP**

Emission Unit ID	Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
Boiler 1	10.10	88.5
Boiler 2	10.10	88.5
Boiler 3	12.50	109.5
Pest Control Heater 1	4.50	39.4
Pest Control Heater 2	2.73	23.9
Pest Control Heater 3	2.73	23.9
Pest Control Heater 4	2.00	17.5
Pest Control Heater 5	2.50	21.9
Pest Control Heater 6	2.00	17.5
Pest Control Heater 7	0.75	6.6

	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100.0	5.5	84.0
				**see below		
Boiler 1 Potential Emission in tons/yr	0.08	0.34	0.03	4.42	0.24	3.72
Boiler 2 Potential Emission in tons/yr	0.08	0.34	0.03	4.42	0.24	3.72
Boiler 3 Potential Emission in tons/yr	0.10	0.42	0.03	5.48	0.30	4.60
Pest Control Heater 1 Potential Emission in tons/yr	0.04	0.15	0.01	1.97	0.11	1.66
Pest Control Heater 2 Potential Emission in tons/yr	0.02	0.09	0.01	1.19	0.07	1.00
Pest Control Heater 3 Potential Emission in tons/yr	0.02	0.09	0.01	1.19	0.07	1.00
Pest Control Heater 4 Potential Emission in tons/yr	0.02	0.07	0.01	0.88	0.05	0.74
Pest Control Heater 5 Potential Emission in tons/yr	0.02	0.08	0.01	1.10	0.06	0.92
Pest Control Heater 6 Potential Emission in tons/yr	0.02	0.07	0.01	0.88	0.05	0.74
Pest Control Heater 7 Potential Emission in tons/yr	0.01	0.02	0.00	0.33	0.02	0.28
Total Emissions in tons/yr	**0.42**	**1.66**	**0.13**	**21.86**	**1.20**	**18.36**

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
See page 3 for HAPs emissions calculations.

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Boilers and Pest Control Heaters
HAPs Emissions

Company Name: **General Mills**
Address City IN Zip: **707 Pillsbury Lane, New Albany, Indiana 47150**
FESOP No.: **043-22938-00050**
Reviewer: **Alic Bent/EVP**

HAPs - Organics

	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	4.590E-04	2.623E-04	1.639E-02	3.934E-01	7.431E-04

HAPs - Metals

	Lead	Cadmium	Chromium	Manganese	Nickel	**Total (ton/yr)**
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	1.314E-04	2.891E-04	3.679E-04	9.986E-05	5.519E-04	**4.127E-01**

Methodology is the same as page 2.

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emission Calculations

Propane Combustion

Company Name: General Mills
Address City IN Zip: 707 Pillsbury Lane, New Albany, Indiana 47150
FESOP No.: 043-22938-00050
Reviewer: AB/EVP

Emission Factors

Description	PM	PM10	SOx	NOx	CO	VOC
Propane Combustion (lbs/1000 gals)	0.5	0.5	1.4	15.0	2.1	0.60

Furnace Formation	Maximum Heat Input (MMBtu/hr)
Boiler #4	1.6
Flare (WWWTP)	0.036

Potential Emissions (tons/year)

Source	PM	PM10	SOx	NOx	CO	VOC
Boiler #4	0.04	0.04	0.10	1.15	0.16	0.05
Flare WWWTP	0.00	0.00	0.00	0.03	0.00	0.00
Total =	**0.04**	**0.04**	**0.11**	**1.17**	**0.16**	**0.05**

Propane Methodology

1 gallon of propane has a heating value of 91,500 Btu

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.0915 MM Btu

Emission Factors are from Fire 6.25 (SCC 1-03-010-01)

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

OFFICE OF AIR QUALITY

Minor Source Criteria Pollutant Modeling

Screening Form - Raw Data

General Permit Information

Permit Number: _F 043 - _22938__ - _00050 __

Company Name: General Mills

City: New Albany

County: Floyd

Permit Reviewer: Alic Bent /EVP

Date results are needed: ASAP - This is a clock permit

Source Specific Information

TABLE 1 - Criteria Pollutant Emission Rates (lb/hr) - based on the highest allowable emissions rate

Stack ID	CO	NO_X	PM_{10}	Pb	SO_2
125	0.36	1.44	1.39	0	5.11
126	0.36	1.44	1.39	0	5.11
127	0.46	1.78	1.73	0	6.35
Totals:	*1.18*	*4.66*	*4.51*	*0*	*16.57*

TABLE 2 - Hazardous Air Pollutant Emission Rates (lb/hr) - based on the highest allowable emissions rate

Stack ID	HAP Name	HAP Name	HAP Name	HAP Name	HAP Name	HAP Name
125	negligible					
126	negligible					
127	negligible					
0						
0						
0						
0						
Totals:	*0*	*0*	*0*	*0*	*0*	*0*

TABLE 3 - Stack Information: (All heights are from ground level)
For non-circular stacks, take the average of the stack dimensions as the stack diameter.

Stack ID	Stack Height (ft)	Flow Rate (acfm)	Stack Temp. (^oF)	Stack Diameter (ft)	Closest building related to stack: Height (ft)	Width (ft)	Length (ft)
125	43	2020	355	2.17	**20**	**30**	**80**
126	43	2020	355	2.17	**20**	**30**	**80**
127	43	2020	355	1.67	**20**	**30**	**80**
0							
0							
0							
0							

Closest Property Line (Distance in feet): **25** _____ **No building** ***(Please check if this applies)***

OFFICE OF AIR QUALITY

Minor Source Criteria Pollutant Modeling

Screening Form - Modeling Results

General Permit Information

Permit Number: _F 043 - _22938__ - _00050 __

Company Name: General Mills

Model Used *(Please check one)*:

City: New Albany

☑ **SCREEN** ☐ **ISCST**

County: Floyd

Date Modeling Completed: 6/6/2006

Permit Reviewer: Alic Bent /EVP

Modeler: Mark Neyman

Date results are needed: ASAP - This is a clock permit

Modeling Results

TABLE 4 - Criteria Pollutants - Maximum Concentration (ug/m3):

Averaging Period	CO	NOX	PM10	Pb	SO2
1-hour modeled concentration	27.6				
NAAQ Standard	40000				
PASS or **FAIL**	PASS				
3-hour modeled concentration					367.9
NAAQ Standard					1300
PASS or **FAIL**					PASS
8-hour modeled concentration	22.1				
NAAQ Standard	10000				
PASS or **FAIL**	PASS				
24-hour modeled concentration			52.7		193.7
NAAQ Standard			150		365
PASS or **FAIL**			PASS		PASS
Quarterly modeled concentration					
NAAQ Standard				1.5	
PASS or **FAIL**					
Annual modeled concentration		8.7	8.4		31
NAAQ Standard		100	50		80
PASS or **FAIL**		PASS	PASS		PASS

TABLE 5 - HAPs - Maximum Concentration (ug/m3):

Averaging Period	HAP Name	HAP Name	HAP Name	HAP Name	HAP Name	HAP Name
8-hour modeled concentration						
PEL Standard						
PASS or **FAIL**						
Annual modeled concentration						
NATA Standard						
PASS or **FAIL**						