



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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

TO: Interested Parties / Applicant

DATE: April 15, 2009

RE: Tyson Fresh Meats, Inc. / 017-27618-00034

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

## Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures  
FNPER-MOD.dot 12/3/07



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Ms. Kim Rasmussen  
Tyson Fresh Meats, Inc  
800 Stevens Port Drive, Suite DD709  
Dakota Dunes, SD 57049

April 15, 2009

Re: 017-27618-00034  
Minor Source Modification to  
Part 70 Renewal No.: T 017-21598-00034

Dear Ms. Rasmussen:

Tyson Fresh Meats, Inc was issued a Part 70 Operating Permit Renewal on July 11, 2008 for a stationary meat packing and rendering plant. A letter requesting changes to this permit was received on December 1, 2008. Pursuant to 326 IAC 2-7-10.5, the following emission unit is approved for modification at the source:

One (1) natural gas-fired boiler, identified as B001, using propane, distillate fuel oil and choice white grease as alternative fuels, installed in 1968 and modified in 2006, with a maximum heat input rate of fifty (50) million British thermal units per hour (MMBtu/hr), and exhausting to stack B1.

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13 17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit  
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

6. Pursuant to 326 IAC 2-7-10.5(l) the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

This minor source modification authorizes the modification of the emission unit. Operating conditions shall be incorporated into the Part 70 operating permit as a significant permit modification in accordance with 326 IAC 2-7-10.5(l) and 326 IAC 2-7-12. Operation is not approved until the significant permit modification has been issued.

For your convenience, the entire Part 70 Operating Permit as modified will be provided at issuance.

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact Charles Sullivan, OAQ, 100 North Senate Avenue, MC 61-53 1003 IGCN, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Charles Sullivan or extension (2-8422), or dial (317) 232-8422.

Sincerely,



Donald F. Robin, P.E., Section Chief  
Permits Branch  
Office of Air Quality

Attachments:

Updated Permit  
Technical Support Document  
PTE Calculations

DFR/cs

cc: File – Cass County  
Cass County Health Department  
U.S. EPA, Region V  
Air Compliance Inspector  
Compliance Data Section  
Permit Administration and Support Section

Mr. Jim Schmitz  
VP Pork Operations  
Tyson Fresh Meats, Inc.  
2125 S. County Road 125 West  
Logansport, IN 46947



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## Part 70 Minor Source Modification OFFICE OF AIR QUALITY

**Tyson Fresh Meats, Inc.**  
**2125 South County Road 125 West**  
**Logansport, Indiana 46947**

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70, Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. 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 2-7-10.5, applicable to those conditions

Minor Source Modification No.: 017-27618-00034	
Issued by:  Donald F. Robin, P.E., Section Chief Permits Branch Office of Air Quality	Issuance Date: April 15, 2009

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## SECTION A

## SOURCE SUMMARY

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

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

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The Permittee owns and operates a meat processing source.

Source Address:	2125 South County Road 125 West, Logansport, Indiana 46947
Mailing Address:	2125 South County Road 125 West, Logansport, Indiana 46947
General Source Phone Number:	605 - 235 - 4801
SIC Code:	2011, 2077
County Location:	Cass
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

- (a) One (1) inedible pork rendering facility, with a process rate of 13,957 pounds per hour of crax (bone meal), consisting of the following equipment:
- (1) One (1) Dupps 320U wet cooker and one (1) Dupps 1800 wet cooker that will be used only as a backup, equipped with an integral condenser, with emissions controlled by a venturi/packed bed scrubber, exhausting to Stack C003.
  - (2) One (1) Dupps drainer screw, with emissions controlled by a venturi/packed bed scrubber, exhausting to Stack C003.
  - (3) Three (3) Dupps high pressure pressors, with emissions controlled by a venturi/packed bed scrubber, exhausting to Stack C003.
  - (4) Two (2) Sharples centrifuges, with emissions controlled by a venturi/packed bed scrubber, exhausting to Stack C003.
  - (5) Two (2) screw conveyors, with emissions controlled by a venturi/packed bed scrubber, exhausting to Stack C003.
  - (6) One (1) precrusher metering bin, with emissions controlled by a venturi/packed bed scrubber, exhausting to Stack C003.
  - (7) One (1) inedible crax bin, with uncontrolled emissions exhausting inside the building.
  - (8) One (1) hammermill with uncontrolled emissions exhausting inside the building.
  - (9) One (1) screen, with uncontrolled emissions exhausting inside the building.

- (10) One (1) inedible crax silo, with uncontrolled emissions exhausting to the atmosphere.
- (11) One (1) truck loadout, with uncontrolled emissions.
- (12) One (1) rail loadout, with uncontrolled emissions.
- (b) One (1) natural gas-fired boiler, identified as B001, using propane, distillate or No. 2 fuel oil and choice white grease as alternative fuels, installed in 1968 and modified in 2006, exhausting to Stack B1, rated at fifty (50) million British thermal units per hour.
- (c) One (1) natural gas-fired boiler, identified as B002, using propane and choice white grease as alternative fuels, installed in 1968 and modified in 2006, exhausting to Stack B1, rated at fifty (50) million British thermal units per hour.

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

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

- (a) Edible Rendering System
- (b) Blood Drying System with a maximum finished product rate of 2,625 pounds per hour consisting of a Dupps Ring Dryer Furnace which is a natural gas fired combustion unit using propane as an alternative fuel with maximum heat input rate of three (3) million British thermal units per hour (MMBtu/hr), a product bin using a spray tower identified as C001, and a product storage silo using a baghouse as control for particulate matter. Uncontrolled emissions PM<sub>10</sub> from handling dried product are less than 5 pounds per hour. [326 IAC 6-3-2]
- (c) Flootation System including a melt tank, an Sharples centrifuge, a Sweeco screener, and a sludge tank identified as IR002 with a maximum usage of 11,550 pounds of inedible material per hour and using a spray tower identified as C001 as control for odor. Uncontrolled emissions PM<sub>10</sub> are less than 5 pounds per day. [326 IAC 6-3-2]
- (d) Hair System including the Anco hair hydrolizer, the batch cooker, and the hair silo with a maximum usage of 3,855 pounds of raw hair material per hour and using a spray tower identified as C001 as control for odor. [326 IAC 6-3-2]

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

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

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

## SECTION B GENERAL CONDITIONS

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

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

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

- (a) This permit, T 017-21598-00034, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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- (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. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

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

and

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

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

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

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

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

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
  - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;  
  
Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance 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 and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

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

ment to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
  - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
  - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
  - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ has issued the modification. [326 IAC 2-7-12(b)(8)]

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

- (a) All terms and conditions of permits established prior to T 017-21598-00034 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised under 326 IAC 2-7-10.5, or
  - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

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

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

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

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

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

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

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

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

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

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

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

- (1) That this permit contains a material mistake.
- (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

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

- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in

advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

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

Request for renewal shall be submitted to:

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

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

**B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12] [40 CFR 72]**

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

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

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

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

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

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

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- (a) No Part 70 permit revision shall be required under any approved economic incentives,

marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

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

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

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

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

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

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

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

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

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

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;

- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

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

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

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

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

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

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

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

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

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

contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

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

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

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

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

## SECTION C

## SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

**C.2 Opacity [326 IAC 5-1]**

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

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

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

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

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

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

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

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

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

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

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

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-52 IGCN 1003  
Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

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

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

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

#### **Compliance Requirements [326 IAC 2-1.1-11]**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on July 16, 2001.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

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

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

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

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- (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 2-7-5] [326 IAC 2-7-6]**

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

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

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

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

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

The statement must be submitted to:

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

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

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

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

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

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

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

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For

the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

### **Stratospheric Ozone Protection**

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

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

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

**SECTION D.1**

**FACILITY OPERATION CONDITIONS**

**Facility Description [326 IAC 2-7-5(15)]: Inedible pork rendering facility**

- (a) One (1) inedible pork rendering facility, with a process rate of 13,957 pounds per hour of crax (bone meal), consisting of the following equipment:
- (1) One (1) Dupps 320U wet cooker and one (1) Dupps 1800 wet cooker that will be used only as a backup, equipped with an integral condenser, with emissions controlled by a venturi/packed bed scrubber, exhausting to Stack C003.
  - (2) One (1) Dupps drainer screw, with emissions controlled by a venturi/packed bed scrubber, exhausting to Stack C003.
  - (3) Three (3) Dupps high pressure pressors, with emissions controlled by a venturi/ packed bed scrubber, exhausting to Stack C003.
  - (4) Two (2) Sharples centrifuges, with emissions controlled by a venturi/packed bed scrubber, exhausting to Stack C003.
  - (5) Two (2) screw conveyors, with emissions controlled by a venturi/packed bed scrubber, exhausting to Stack C003.
  - (6) One (1) precrusher metering bin, with emissions controlled by a venturi/packed bed scrubber, exhausting to Stack C003.
  - (7) One (1) inedible crax bin, with uncontrolled emissions exhausting inside the building.
  - (8) One (1) hammermill with uncontrolled emissions exhausting inside the building.
  - (9) One (1) screen, with uncontrolled emissions exhausting inside the building.
  - (10) One (1) inedible crax silo, with uncontrolled emissions exhausting to the atmosphere.
  - (11) One (1) truck loadout, with uncontrolled emissions.
  - (12) One (1) rail loadout, with uncontrolled emissions.

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

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

#### D.1.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate emission rate from the following processes at this inedible pork rendering facility shall be limited as follows:

Process	Process Weight (tons/hour)	Emission Rate (pounds/hour)
Wet Cooker	6.98	15.07
Screw Conveyor	6.98	15.07
Precrusher Metering Bin	6.98	15.07
Drainer Screw	6.98	15.07
Pressor (1)	6.98	15.07
Pressor (2)	6.98	15.07
Pressor (3)	6.98	15.07
Centrifuge (1)	6.98	15.07
Centrifuge (2)	6.98	15.07
Inedible Crax Bin	6.98	15.07
Hammermill	6.98	15.07
Screen	6.98	15.07
Inedible Crax Silo	6.98	15.07
Truck Loadout	6.98	15.07
Rail Loadout	6.98	15.07

#### D.1.2 Volatile Organic Compound (VOC) [326 IAC 8-1-6]

Pursuant to T 017-7369-00034, issued on May 3, 2001, and 326 IAC 8-1-6, emissions from the wet cooker shall be vented through the venturi/packed bed scrubber as a part of the BACT.

#### D.1.3 Special Condition [326 IAC 2-7-6(6)]

Pursuant to T 017-7369-00034, issued on May 3, 2001, the inedible pork rendering facility shall be operated in the following manner to minimize odors:

- (a) Precautions in operation of the process equipment to minimize overheating and burning of inedible rendering material.
- (b) Cleaning of inedible rendering equipment and areas shall be done every operational day.
- (c) Air from the room housing the inedible rendering equipment shall be vented through six roof vents and scrubbed with water using fine mist atomizing spray nozzles. A minimum of one spray nozzle shall be operational at each vent. The atomizing spray nozzles shall be used as needed to minimize the release of air contaminants from the roof vents, and only when the ambient temperature is above a temperature which will prevent the water spray from freezing.

#### D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities, including the venturi/packed bed scrubber.

## Compliance Determination Requirements

### D.1.5 VOC Control [326 IAC 2-7-6(6)] [326 IAC 8-1-6]

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In order to comply with Condition D.1.2, the venturi/packed bed scrubber shall be in operation at all times that the Dupps 320U wet cooker or the Dupps 1800 wet cooker is in operation.

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

### D.1.6 Visible Emissions Notations

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- (a) Visible emission notations of the venturi/packed bed scrubber stack exhaust (Stack C003) shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

### D.1.7 Scrubber Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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The Permittee shall record the following operating parameters for the venturi/packed bed scrubber at least once per day when the inedible pork rendering facility is in operation. The normal ranges for these parameters are as follows:

- (a) The pressure drop across the first stage of the scrubber shall not exceed than 6.0 inches of water.
- (b) The liquid recycle rate across the first stage of the scrubber shall be at least 50 gallons per minute.
- (c) The pressure drop across the second stage of the scrubber shall not exceed 4.0 inches of water.
- (d) The liquid recycle rate across the second stage of the scrubber shall be at least 150 gallons per minute.
- (e) The pH of the scrubbant in the second stage of the scrubber shall be subject to the following pursuant to manufacturer's specifications:
  - (1) When sodium Hypochlorite and caustic are used, the pH of the recycled scrubbing solution shall be at least 8.0 pH;
  - (2) When chlorine dioxide is used as the oxidant, the recycled scrubbing solution will

be maintained between 6.0 to 7.0 pH, unless acid or caustic are applied to promote absorption of odorous gases.

- (f) The oxidation reduction potential (ORP) shall be at least 50 millivolts (mv).
- (g) The temperature between the condenser and the venturi scrubber shall not exceed 180°F.
- (h) The temperature entering the packed bed scrubber shall not exceed 120°F.

When for any one (1) reading, a parameter is outside the above mentioned range, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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.

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

### **D.1.8 Record Keeping Requirements**

- (a) To document compliance with Condition D.1.6, the Permittee shall maintain a daily record of visible emission notations of the venturi/packed bed scrubber exhaust (Stack C003). The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the inedible pork rendering facility did not operate that day).
- (b) To document compliance with Condition D.1.7, the Permittee shall maintain a daily record of the following operational parameters. The Permittee shall include in its daily record when the readings were not taken and the reason for the lack of a reading, (e.g., the inedible pork rendering facility did not operate that day):
  - (1) The pressure drop across the first stage of the scrubber.
  - (2) The liquid recycle rate across the first stage of the scrubber.
  - (3) The pressure drop across the second stage of the scrubber.
  - (4) The liquid recycle rate across the second stage of the scrubber.
  - (5) The pH of the scrubbant in the second stage of the scrubber.
  - (6) The oxidation reduction potential (ORP).
  - (7) The temperature between the condenser and the venturi scrubber.
  - (8) The temperature entering the packed bed scrubber.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## SECTION D.2

## FACILITY OPERATION CONDITIONS

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

- (b) One (1) natural gas-fired boiler, identified as B001, using propane, distillate fuel oil and choice white grease as alternative fuels, installed in 1968 and modified in 2006, exhausting to Stack B1, rated at fifty (50) million British thermal units per hour.
- (c) One (1) natural gas-fired boiler, identified as B002, using propane and choice white grease as alternative fuels, installed in 1968 and modified in 2006, exhausting to Stack B1, rated at fifty (50) million British thermal units per hour.

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

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

#### D.2.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(d)), the particulate emissions from each of the two (2) boilers (B001 and B002) shall not exceed 0.329 pounds per million British thermal units heat input (lb/MMBtu).

#### D.2.2 Fuel Oil Restriction

Pursuant to Significant Permit Modification 017-21989-00034, issued September 7, 2006, the Permittee shall not burn fuel oil at the existing boiler, identified as B002. Any change or modification to boilers B001 and B002 is required to have prior approval from the IDEM, OAQ.

#### D.2.3 SO<sub>2</sub> Sulfur Dioxide Emission Limitations [326 IAC 7-1.1][326 IAC 2-7-10.5]

In order to render the requirements of 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations) and 326 IAC 2-7-10.5(f) (Significant Source Modification) not applicable, the Permittee shall comply with the following:

The distillate fuel usage to boiler B001 shall not exceed 8,760 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with the above limit, shall limit SO<sub>2</sub> from boiler B001 to less than twenty-five (25) tons per twelve (12) consecutive month period and render 326 IAC 7-1.1 and 326 IAC 2-7-10.5(f) (Significant Source Modification) not applicable.

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

#### D.2.4 Record Keeping Requirements

To document compliance with Condition D.2.3, the Permittee shall maintain records of the amount of distillate fuel used in boiler B001 each month. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

#### D.2.5 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 natural gas-fired boiler certification does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) A quarterly summary of the information to document compliance with Condition D.2.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

## SECTION D.3

## FACILITY OPERATION CONDITIONS

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

- (a) Edible Rendering System
- (b) Blood Drying System with a maximum finished product rate of 2,625 pounds per hour consisting of a Dupps Ring Dryer Furnace which is a natural gas fired combustion unit using propane as an alternative fuel with maximum heat input rate of three (3) million British thermal units per hour (MMBtu/hr), a product bin using a spray tower identified as C001 as control for odor, and a product storage silo using a baghouse as control for particulate matter. Uncontrolled emissions PM10 from handling dried product are less than 5 pounds per day. [326 IAC 6-3-2]
- (c) Flotation System including a melt tank, an Alfa Laval centrifuge, a Sweeco screener, and a sludge tank identified as IR002 with a maximum usage of 11,550 pounds of inedible material per hour and using a spray tower identified as C001 as control for odor. Uncontrolled emissions PM10 are less than 5 pounds per day. [326 IAC 6-3-2]
- (d) Hair System including the Anco hair hydrolizer, the batch cooker, and the hair silo with a maximum usage of 3,855 pounds of raw hair material per hour and using a spray tower identified as C001 as control for odor. [326 IAC 6-3-2]

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

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

#### D.3.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate emission rate from the insignificant blood drying system, flotation system and hair system shall not exceed 17.89 pounds per hour.

**SECTION E.1 Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [326 IAC 12-1] [40 CFR Part 60, Subpart Dc]**

**Emissions Unit Description:**

- (b) One (1) natural gas-fired boiler, identified as B001, using propane, distillate fuel oil and choice white grease as alternative fuels, installed in 1968 and modified in 2006, exhausting to Stack B1, rated at fifty (50) million British thermal units per hour.
- (c) One (1) natural gas-fired boiler, identified as B002, using propane and choice white grease as alternative fuels, installed in 1968 and modified in 2006, exhausting to Stack B1, rated at fifty (50) million British thermal units per hour.

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

**E.1.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]**

- (a) Pursuant to 40 CFR Part 60.40c, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 12-1 for the two (2) boilers, identified as B001 and B002, except as otherwise specified in 40 CFR Part 60, Subpart Dc.
- (b) Pursuant to 40 CFR 60.10, the Permittee shall submit all required notifications and reports to:  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

**E.1.2 Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [326 IAC 12-1] [40 CFR Part 60, Subpart Dc]**

Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of 40 CFR Part 60.40c (included as Attachment A of this permit), which are incorporated by reference as 326 IAC 12-1 for the two (2) boilers (B001 and B002) as follows:

- (1) 40 CFR 60.40c
- (2) 40 CFR 60.41c
- (3) 40 CFR 60.48c (a)(1)(3),(g),(i), and (j)

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

**PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: Tyson Fresh Meats, Inc.  
Source Address: 2125 South County Road, 125 West, Logansport, IN 46947  
Mailing Address: 800 Stevens Port Drive, Suite 709, Dakota Dunes, SD 57049  
Part 70 Permit No.: T 017-21598-00034

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

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

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Tyson Fresh Meats, Inc.  
Source Address: 2125 South County Road, 125 West, Logansport, Indiana IN 46947  
Mailing Address: 800 Stevens Port Drive, Suite 709, Dakota Dunes, SD 57049  
Part 70 Permit No.: T 017-21598-00034

**This form consists of 2 pages**

**Page 1 of 2**

<input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) C 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 C 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 <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: \_\_\_\_\_  
Title / Position: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

A certification is not required for this report.

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

**PART 70 OPERATING PERMIT  
SEMI-ANNUAL NATURAL GAS-FIRED BOILER CERTIFICATION**

Source Name: Tyson Fresh Meats, Inc.  
Source Address: 2125 South County Road, 125 West, Logansport, IN 46947  
Mailing Address: 800 Stevens Port Drive, Suite 709, Dakota Dunes, SD 57049  
Part 70 Permit No.: T 017-21598-00034  
Units: Boilers B001 and B002

<input type="checkbox"/> Natural Gas Only <input type="checkbox"/> 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:
Phone:
Date:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
Distillate Fuel Usage  
Part 70 Quarterly Report**

Source Name: Tyson Fresh Meats, Inc.  
Source Address: 2125 South County Road, 125 West, Logansport, IN 46947  
Mailing Address: 800 Stevens Port Drive, Suite 709, Dakota Dunes, SD 57049  
Part 70 Permit No.: T 017-21598-00034  
Facility: Boiler B001  
Parameter: Distillate Fuel Usage  
Limit: Shall not exceed 8,760 gallons per twelve (12) consecutive month period.

QUARTER :

YEAR:

Month	Distillate Fuel Usage (gallons)	Distillate Fuel Usage (gallons)	Distillate Fuel Usage (gallons)
	This Month	Previous 11 Months	12 Month Total
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**

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

Source Name: Tyson Fresh Meats, Inc.  
Source Address: 2125 South County Road, 125 West, Logansport, IN 46947  
Mailing Address: 800 Stevens Port Drive, Suite 709, Dakota Dunes, SD 57049  
Part 70 Permit No.: T 017-21598-00034

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

Page 1 of 2

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

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

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 Part 70  
Minor Source Modification and Significant Permit Modification

<b>Source Description and Location</b>
--

<b>Source Name:</b>	<b>Tyson Fresh Meats, Inc.</b>
<b>Source Location:</b>	<b>2125 South County Road 125, Logansport, IN 46947</b>
<b>County:</b>	<b>Cass</b>
<b>SIC Code:</b>	<b>2011, 2077</b>
<b>Operation Permit Renewal No.:</b>	<b>T017-21598-00034</b>
<b>Operation Permit Issuance Date:</b>	<b>July 11, 2008</b>
<b>Minor Source Modification:</b>	<b>017-27618-00034</b>
<b>Significant Permit Modification No.:</b>	<b>017-27192-00034</b>
<b>Permit Reviewer:</b>	<b>C. Sullivan</b>

<b>Existing Approvals</b>
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The source was issued Part 70 Operating Permit Renewal No.: 017-21598-00034 on July 11, 2008. No additional approvals have been issued since the issuance of the Part 70 Operating Permit Renewal.

<b>County Attainment Status</b>
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The source is located in Cass County.

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard. <sup>1</sup>
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Not designated.
<sup>1</sup> Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM2.5.	

(a) Ozone Standards

- (1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.
- (2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, and St. Joseph as attainment for the 8-hour ozone standard.
- (3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Clark, Elkhart, Floyd, LaPorte, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, Shelby, and St. Joseph as attainment for the 8-hour ozone standard.

- (4) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Cass County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM2.5**  
 Cass County has been classified as attainment for PM2.5. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM2.5 emissions, and the effective date of these rules was July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM10 emissions as a surrogate for PM2.5 emissions until 326 IAC 2-2 is revised.
- (c) **Other Criteria Pollutants**  
 Cass County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) **Fugitive Emissions**  
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

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

Pollutant	Emissions (tons/year)
PM	42.15
PM <sub>10</sub>	43.01
SO <sub>2</sub>	15.75
VOC	18.61
CO	79.02
NO <sub>x</sub>	167.71

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no regulated pollutant is emitted at a rate of two hundred and fifty (250) tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) These emissions are based upon the Technical Support Document (TSD) for the Part 70 Operating Permit Renewal, T 017-21598-00034, issued on July 11, 2008.

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

HAPs	Potential To Emit (tons/year)
TOTAL HAPs	1.77

This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because HAPs emissions are less than ten (10) tons per year for a single HAP and twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

#### Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2006 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	31.66
PM <sub>2.5</sub>	12.64
PM <sub>10</sub>	32.30
SO <sub>2</sub>	0.34
VOC	8.63
CO	22.46
NO <sub>x</sub>	26.72
Single HAP	Not Reported
Total HAPs	Not Reported

#### Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Tyson Fresh Meats, Inc. on December 1, 2008, relating to the addition of 0.1% petroleum-based oils as an alternative fuel at an existing boiler, identified as B001. The following is a description of the modified emission unit:

One (1) natural gas-fired boiler, identified as B001, using propane, distillate fuel oil and choice white grease as alternative fuels, installed in 1968 and modified in 2006, with a maximum heat input rate of fifty (50) million British thermal units per hour (MMBtu/hr), and exhausting to stack B1.

The Permittee is making this modification in order to qualify for a federal tax credit, which requires the facility's biofuel (choice white grease) to contain 0.1% petroleum-based fuel.

#### Enforcement Issues

There are no pending enforcement actions related to this modification.

#### Emission Calculations

See Appendix A of this document for detailed emission calculations.

**Permit Level Determination – Part 70**

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

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

<b>PTE Change of the Modified Process</b>			
<b>Pollutant</b>	<b>PTE Before Modification (ton/yr)</b>	<b>PTE After Modification Unlimited Distillate Fuel (ton/yr)</b>	<b>Net Difference (ton/yr)</b>
PM	8.32	8.32	0
PM <sub>10</sub>	8.32	8.32	0
SO <sub>2</sub>	0.22	55.53	55.31
VOC	2.41	2.41	0
CO	18.40	18.40	0
NO <sub>x</sub>	33.73	33.73	0
HAPs	--	--	--

The PTE for each regulated pollutant has been calculated for each of the existing permitted fuel types, based on each fuel type's usage at the full capacity of the boiler (50 MMBtu/hr). The PTE for each pollutant is based on the worst case operating scenario. Since the maximum potential to emit of sulfur dioxide (SO<sub>2</sub>) from the use of petroleum based distillate fuel oil is greater than choice white grease, propane and natural gas, there is an increase in the SO<sub>2</sub> PTE for boiler B001.

This source modification is subject to 326 IAC 2-7-10.5(d)(4)(D) because the source is limiting individual fuel usage and fuel type for boiler B001. Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d)(1), because the modification requires a case-by-case determination of an emission limitation or standard.

Since this modification has a potential to emit greater than the level allowed for SO<sub>2</sub> pursuant to 326 IAC 2-7-10.5(d)(3)(B), the source has elected to limit the potential to emit of the modification as follows:

The distillate fuel usage at Boiler B001 shall not exceed 8,760 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this fuel usage limit shall limit the potential to emit SO<sub>2</sub> to below twenty five (25) tons per twelve (12) consecutive month period and render this modification a minor source modification pursuant to 326 IAC 2-7-10.5(d)(4)(D).

**Permit Level Determination – PSD**

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

Process/Emission Unit	Potential to Emit (tons/year)					
	PM	PM <sub>10</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>
Increase in PTE (from Boiler B001)	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE for Existing Source	42.15	43.01	15.75	18.61	79.02	167.71
Total for Source after Modification	42.15	43.01	15.75	18.61	79.02	167.71
Major Source Threshold	250	250	250	250	250	250

This modification to an existing minor stationary source is minor because the emission increase is less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, for the PSD requirements to not apply. This source will remain a minor stationary source under PSD after this proposed modification.

**Federal Rule Applicability Determination**

The following federal rules are applicable to the source due to this modification:

**NSPS:**

- (a) There are no new New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

**NESHAP:**

- (b) There are no new National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

**CAM:**

- (c) There is no control device proposed; therefore, the requirements of 40 CFR Part 64, CAM, are not applicable to this modification.

**State Rule Applicability Determination**

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

**326 IAC 2-2 (PSD)**

PSD applicability is discussed under the Permit Level Determination - PSD section.

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

Pursuant to Part 70 Operating Permit Renewal No.: T 017-21598-00034, issued on July 11, 2008, the allowable particulate from the boiler, identified as B001, is 0.329 pounds per million British thermal units. Pursuant to the calculations in Appendix A, the worst case potential to emit PM, is still from combusting

choice white grease.

The PM emission rate for combusting choice white grease is 0.038 pounds per million British thermal units. Therefore, boiler B001 is capable of complying with this allowable emission rate.

### **326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)**

Pursuant to 326 IAC 7-1.1-1, 326 IAC 7-1.1 is applicable to emission units with potential to emit twenty-five (25) tons per year or ten (10) pounds per hour of sulfur dioxide. Based on the distillate fuel limitation proposed by the Permittee, the potential to emit SO<sub>2</sub> of boiler B001 is 0.16 tons per year. Therefore, the requirements of 326 IAC 7-1.1 do not apply to B001.

## **Compliance Determination and Monitoring Requirements**

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

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a sources failure to take the appropriate corrective actions within a specific time period.

There are no new applicable compliance determination or compliance monitoring requirements applicable to this modification.

## **Proposed Changes**

The changes listed below have been made to Part 70 Operating Permit Renewal No. T017-21598-00034. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

### **Change 1:**

OAQ has revised Section A.1 General Information to correct Source Status information.

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

\* \* \* \*

Source Status:	Part 70 Operating Permit Program Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act <b>Not 1 of 28 Source Categories</b>
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\* \* \* \*

### **Change 2:**

The addition of the use of petroleum based fuel oil as an alternative fuel in boiler B001 has been added to the emission unit description in Section A.2 and D.2 as shown.

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

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

\* \* \* \*

- (b) ~~Two (2)~~ **One (1)** natural gas-fired boilers, **identified as B001, that use using propane, distillate fuel oil** and choice white grease as alternative fuels, ~~identified as B001 and B002~~, installed in 1968, and modified in 2006, **each exhausting to stack B1, with a maximum heat input rate of rated at fifty (50) million British thermal units per hour. (MMBtu/hr) and exhausting to stack B1.**
- (c) **One (1) natural gas-fired boiler, identified as B002, using propane and choice white grease as alternative fuels, installed in 1968 and modified in 2006, exhausting to Stack B1, rated at fifty (50) million British thermal units per hour.**

\* \* \* \*

\* \* \* \*

## SECTION D.2

## FACILITY OPERATION CONDITIONS

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

- (b) ~~Two (2)~~ **One (1)** natural gas-fired boilers, **identified as B001, that use using propane, distillate fuel oil** and choice white grease as alternative fuels, ~~identified as B001 and B002~~, installed in 1968, and modified in 2006, **each exhausting to stack B1, with a maximum heat input rate of rated at fifty (50) million British thermal units per hour. (MMBtu/hr) and exhausting to stack B1.**
- (c) **One (1) natural gas-fired boiler, identified as B002, using propane and choice white grease as alternative fuels, installed in 1968 and modified in 2006, exhausting to Stack B1, rated at fifty (50) million British thermal units per hour.**

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

\* \* \* \*

### Change 3:

IDEM has decided to reference Condition B.21 Source Modification Requirement rather than the specific construction rule.

\* \* \* \*

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

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

\* \* \* \*

### Change 4:

The Permittee has requested a distillate fuel oil use limit for boiler B001. Conditions adding the fuel use limit as well as the applicable recordkeeping and reporting requirement have been added to Section D.2 of the permit.

\* \* \* \*

#### D.2.2 Fuel Oil Restriction

**Pursuant to Significant Permit Modification 017-21989-00034, issued September 7, 2006, the** Permittee shall not burn fuel oil at ~~either of the existing boilers, identified as B001 and B002.~~ Any change or modification to ~~these~~ **boilers B001 and B002** is required to have prior approval from the IDEM, OAQ.

**D.2.3 SO<sub>2</sub> Sulfur Dioxide Emission Limitations [326 IAC 7-1.1][326 IAC 2-7-10.5]**

In order to render the requirements of 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations) and 326 IAC 2-7-10.5(f) (Significant Source Modification) not applicable, the Permittee shall comply with the following:

The distillate fuel usage to boiler B001 shall not exceed 8,760 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with the above limit, shall limit SO<sub>2</sub> from boiler B001 to less than twenty-five (25) tons per twelve (12) consecutive month period and render 326 IAC 7-1.1 and 326 IAC 2-7-10.5(f) (Significant Source Modification) not applicable.

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

**D.2.4 Record Keeping Requirements**

To document compliance with Condition D.2.3, the Permittee shall maintain records of the amount of distillate fuel used in boiler B001 each month. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

**D.2.3 5 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 natural gas-fired boiler certification does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) A quarterly summary of the information to document compliance with Condition D.2.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

\* \* \* \*

**Change 5:**

IDEM has decided to include references to the applicable provisions of federal rules in a separate E section of the permit and to include the entire rule language as an attachment to the permit. Conditions in section D.2 that reference 40 CFR 60, Subpart Dc have been removed, Section E.1 has been added to the permit, and 40 CFR 60, Subpart Dc has been included as Attachment A to the permit.

\* \* \* \*

~~D.2.4 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]~~

~~Pursuant to 40 CFR Part 60.40c, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 12-1 for the two (2) boilers, identified as EU 001 and EU 002, as specified in Appendix A of 40 CFR Part 60, Subpart Dc in accordance with the schedule in 40 CFR Part 60, Subpart Dc.~~

~~D.2.5 Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [40 CFR Part 60, Subpart Dc] [326 IAC 12-1]~~

~~Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of 40 CFR Part 60.40c, which are incorporated by reference as 326 IAC 12-1 for the two (2) boilers, identified as EU 001 and EU 002 as specified as follows:~~

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

~~(a) Except as provided in paragraph (d) of this section, the affected facility to which this subpart applies is~~

each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million Btu per hour (Btu/hr)) or less, but greater than or equal to 2.9 MW (10 million Btu/hr).

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

(c) Steam generating units which meet the applicability requirements in paragraph (a) of this section are not subject to the sulfur dioxide (SO<sub>2</sub>) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (§§60.42c, 60.43c, 60.44c, 60.45c, 60.46c, or 60.47c) during periods of combustion research, as defined in §60.41c.

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

[55 FR 37683, Sept. 12, 1990, as amended at 61 FR 20736, May 8, 1996]

### **§60.41c—Definitions.**

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

Annual capacity factor means the ratio between the actual heat input to a steam generating unit from an individual fuel or combination of fuels during a period of 12 consecutive calendar months and the potential heat input to the steam generating unit from all fuels had the steam ch a separate source (such as a stationary gas turbine, internal combustion engine, or kiln) provides exhaust gas to a steam generating unit.

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

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

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

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

Combustion research means the experimental firing of any fuel or combination of fuels in a steam generating unit for the purpose of conducting research and development of more efficient combustion or more effective prevention or control of air pollutant emissions from combustion, provided that, during these periods of research and development, the heat generated is not used for any purpose other than preheating combustion air for use by that steam generating unit (i.e., the heat generated is released to the atmosphere without being used for space heating, process heating, driving pumps, preheating combustion air for other units, generating electricity, or any other purpose).

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

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

Dry flue gas desulfurization technology means a sulfur dioxide (SO<sub>2</sub>) control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a dry powder material. This definition includes devices where the dry powder material is subsequently converted to another form. Alkaline reagents used in dry flue gas desulfurization systems include, but are not limited to, lime and sodium compounds.

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

Emerging technology means any SO<sub>2</sub> control system that is not defined as a conventional technology under this section, and for which the owner or operator of the affected facility has received approval from the Administrator to operate as an emerging technology under §60.48c(a)(4).

Federally enforceable means all limitations and conditions that are enforceable by the Administrator, including

~~the requirements of 40 CFR Parts 60 and 61, requirements within any applicable State implementation plan, and any permit requirements established under 40 CFR 52.21 or under 40 CFR 51.18 and 40 CFR 51.24.~~  
~~Fluidized bed combustion technology means a device wherein fuel is distributed onto a bed (or series of beds) of limestone aggregate (or other sorbent materials) for combustion; and these materials are forced upward in the device by the flow of combustion air and the gaseous products of combustion. Fluidized bed combustion technology includes, but is not limited to, bubbling bed units and circulating bed units.~~  
~~Fuel pretreatment means a process that removes a portion of the sulfur in a fuel before combustion of the fuel in a steam generating unit.~~  
~~Heat input means heat derived from combustion of fuel in a steam generating unit and does not include the heat derived from preheated combustion air, recirculated flue gases, or exhaust gases from other sources (such as stationary gas turbines, internal combustion engines, and kilns).~~  
~~Heat transfer medium means any material that is used to transfer heat from one point to another point.~~  
~~Maximum design heat input capacity means the ability of a steam generating unit to combust a stated maximum amount of fuel (or combination of fuels) on a steady state basis as determined by the physical design and characteristics of the steam generating unit.~~  
~~Natural gas means (1) a naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane, or (2) liquefied petroleum (L.P.) gas, as defined by the American Society for Testing and Materials in ASTM D1835-86, 87, 91, or 97, "Standard Specification for Liquefied Petroleum Gases" (incorporated by reference—see §60.17).~~  
~~Noncontinental area means the State of Hawaii, the Virgin Islands, Guam, American Samoa, the Commonwealth of Puerto Rico, or the Northern Mariana Islands.~~  
~~Oil means crude oil or petroleum, or a liquid fuel derived from crude oil or petroleum, including distillate oil and residual oil.~~  
~~Potential sulfur dioxide emission rate means the theoretical SO<sub>2</sub> emissions (nanograms per joule [ng/J], or pounds per million Btu [lb/million Btu] heat input) that would result from combusting fuel in an uncleaned state and without using emission control systems.~~  
~~Process heater means a device that is primarily used to heat a material to initiate or promote a chemical reaction in which the material participates as a reactant or catalyst.~~  
~~Residual oil means crude oil, fuel oil that does not comply with the specifications under the definition of distillate oil, and all fuel oil numbers 4, 5, and 6, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, or 98, "Standard Specification for Fuel Oils" (incorporated by reference—see §60.17).~~  
~~Steam generating unit means a device that combusts any fuel and produces steam or heats water or any other heat transfer medium. This term includes any duct burner that combusts fuel and is part of a combined cycle system. This term does not include process heaters as defined in this subpart.~~  
~~Steam generating unit operating day means a 24-hour period between 12:00 midnight and the following midnight during which any fuel is combusted at any time in the steam generating unit. It is not necessary for fuel to be combusted continuously for the entire 24-hour period.~~  
~~Wet flue gas desulfurization technology means an SO<sub>2</sub> control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a liquid material. This definition includes devices where the liquid material is subsequently converted to another form. Alkaline reagents used in wet flue gas desulfurization systems include, but are not limited to, lime, limestone, and sodium compounds.~~  
~~Wet scrubber system means any emission control device that mixes an aqueous stream or slurry with the exhaust gases from a steam generating unit to control emissions of particulate matter (PM) or SO<sub>2</sub>.~~  
~~Wood means wood, wood residue, bark, or any derivative fuel or residue thereof, in any form, including but not limited to sawdust, sanderdust, wood chips, scraps, slabs, millings, shavings, and processed pellets made from wood or other forest residues.~~

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

#### **§60.48c—Reporting and recordkeeping requirements.**

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

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

- ~~(3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.~~  
~~(g) The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day.~~  
~~(i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.~~  
~~(j) The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.~~

\* \* \* \*  
\* \* \* \*

### **SECTION E.1 Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [326 IAC 12-1] [40 CFR Part 60, Subpart Dc]**

#### **Emissions Unit Description:**

- (b) One (1) natural gas-fired boiler, identified as B001, using propane, distillate fuel oil and choice white grease as alternative fuels, installed in 1968 and modified in 2006, exhausting to Stack B1, rated at fifty (50) million British thermal units per hour.
- (c) One (1) natural gas-fired boiler, identified as B002, using propane and choice white grease as alternative fuels, installed in 1968 and modified in 2006, exhausting to Stack B1, rated at fifty (50) million British thermal units per hour.

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

#### **E.1.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]**

- (a) Pursuant to 40 CFR Part 60.40c, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 12-1 for the two (2) boilers, identified as B001 and B002, except as otherwise specified in 40 CFR Part 60, Subpart Dc.
- (b) Pursuant to 40 CFR 60.10, the Permittee shall submit all required notifications and reports to:  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

#### **E.1.2 Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [326 IAC 12-1] [40 CFR Part 60, Subpart Dc]**

Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of 40 CFR Part 60.40c (included as Attachment A of this permit), which are incorporated by reference as 326 IAC 12-1 for the two (2) boilers (B001 and B002) as follows:

- (1) 40 CFR 60.40c  
(2) 40 CFR 60.41c  
(3) 40 CFR 60.48c (a)(1)(3),(g),(i), and (j)

\* \* \* \* \*

**Change 6:**

Several of IDEM's Branches and sections have been renamed. Therefore, IDEM has updated the addresses listed in the permit. References to Permit Administration and Development Section and the Permits Branch have been changed to Permit Administration and Support Section. References to Asbestos Section, Compliance Data Section, Air Compliance Section, and Compliance Branch have been changed to Compliance and Enforcement Branch.

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

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

**Change 7:**

. Paragraph (g) of Condition C.7 has been revised to reflect the rule language of 326 IAC 14-10-1(a).

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

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\* \* \* \*

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

\* \* \* \*

**Change 8:**

To document compliance with Condition D.2.3, the Permittee shall maintain records of the amount of distillate fuel used in boiler B001 each month. Records necessary to demonstrate compliance shall be submitted to IDEM quarterly using the following added compliance form or its equivalent:

\* \* \* \*

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF AIR QUALITY  
 COMPLIANCE AND ENFORCEMENT BRANCH  
 Distillate Fuel Usage  
 Part 70 Quarterly Report**

**Source Name:** Tyson Fresh Meats, Inc.  
**Source Address:** 2125 South County Road, 125 West, Logansport, IN 46947  
**Mailing Address:** 800 Stevens Port Drive, Suite 709, Dakota Dunes, SD 57049  
**Part 70 Permit No.:** T 017-21598-00034  
**Facility:** Boiler B001  
**Parameter:** Distillate Fuel Usage  
**Limit:** Shall not exceed 8,760 gallons per twelve (12) consecutive month period.

**QUARTER :**

**YEAR:**

Month	Distillate Fuel Usage (gallons)	Distillate Fuel Usage (gallons)	Distillate Fuel Usage (gallons)
	This Month	Previous 11 Months	12 Month Total
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.

\* \* \* \*

<b>Conclusion and Recommendation</b>
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The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 017-27618-00034 and Significant Permit Modification No. 017-27192-00034, respectively. The staff recommends to the Commissioner that the Part 70 Minor Source Modification and Significant Permit Modifications be approved.

**Appendix A: Emissions Calculations**

**Company Name: Tyson Fresh Meats, Inc.**  
**Address City IN Zip: 2125 South County Road 125, Logansport, IN 46947**  
**Minor Source Modification No: 017-27618-00034**  
**Significant Permit Modification: 017-27192-00034**  
**Reviewer: C. Sullivan**  
**Date: March 25, 2009**

Boiler B001

Natural Gas <sup>a</sup>							
	CO	NOx	PM	PM10	SO2	VOC	Pb
Emissions Factors lb/MMBTU	0.082	0.098	0.0074	0.0056	0.0006	0.0054	5.00E-07
PTE tons/yr	18.40	21.46	1.62	1.23	0.13	1.18	1.10E-04

Propane <sup>b</sup>							
	CO	NOx	PM	PM10	SO2	VOC	
Emissions Factors lb/MMBTU	0.082	0.142	0.008	0.002	0.001	0.011	
PTE tons/yr	17.96	31.10	1.75	0.44	0.22	2.41	

Choice White Grease							
	CO	NOx	PM	PM10	SO2	VOC	
Emissions Factors <sup>c</sup> lb/MMBTU	0.014	0.154	0.038	0.038	0	0	
PTE tons/yr	3.07	33.73	8.32	8.32	0	0	

Distillate Fuel Oils <sup>d</sup>							
	CO	NOx	PM	PM10	SO2	VOC	
Emissions Factors lb/gal	0.005	0.020	0.002	0.001	0.036	2.52E-04	
PTE tons/yr	7.82	31.27	3.13	1.56	55.53	0.31	

Distillate Fuel Oil <sup>e</sup> @ 0.140 MMBtu/hr (8,760 gal/yr)							
	CO	NOx	PM	PM10	SO2	VOC	
Emissions Factors lb/gal	0.005	0.020	0.002	0.001	0.036	2.52E-04	
PTE tons/yr	0.003	0.012	0.001	0.001	0.022	0.000	

Choice White Grease @ 49.86 MMBtu/hr							
	CO	NOx	PM	PM10	SO2	VOC	
Emissions Factors lb/gal	0.014	0.154	0.038	0.038	0	0	
PTE tons/yr	3.057	33.632	8.299	8.299	0.000	0.000	

Combination Mix <sup>f,g</sup> - (Limited) Distillate Fuel Oil (@ 8,760 gal/yr) and remainder Choice White Grease							
	CO	NOx	PM	PM10	SO2	VOC	
PTE tons/yr	3.060	33.644	8.300	8.299	0.022	0.000	

Boiler Capacity: 50 MMBtu/hr

Operating Hours: 8,760 hrs/yr

(a) From AP-42 Tables 1.4-1 and 1.4-2 (7/98). To convert from lb/10<sup>6</sup> scf to lb/MMBTu, divide by 1,020.

(b) From AP-42 Tables 1.5-1 (7/08). Heat input capacities generally between 10 and 100 million Btu/hour. Used heat contents of 91.5 x 10<sup>6</sup> Btu/10<sup>3</sup> gallon for propane.

(c) Emission Factors from U.S.EPA "Assessment of Emissions Data and State Permit Information Available for Burning Biofuels", March 21, 2003. See also, emission calculations in T017-21598-00034 issued 7-11-2008.

(d) From AP-42 Tables 1.3-1 and 1.3-3. This section present emission factors on a volume basis (lb/10gal). To convert to an energy basis (lb/MMBTu), divide by a heating value of 140 MMBtu/10<sup>3</sup>gal for distillate fuel oil.

(e) Limited to 8,760 gallons per year (used in Boiler #1 only). Heating value used for Distillate Fuel Oil is 140 MMBtu/10<sup>3</sup>gal (AP-42 page 1.3-8) dated (9/98).

(f) **Combination Mix Calculation:**

8,760 gal/yr Distillate fuel oil consumes 8,760/yr \* 0.140 MMBtu/gal \* 1yr/8760gal = 0.14MMBTu/hr.

Therefore, Choice White Grease can then burn @ (50 MMBtu/hr - 0.14MMBTu/hr) = 49.86 MMBtu/hr.

(g) **Sample PTE Calculations** - PTE (ton/yr)=Heat Input Capacity(MMBtu/hr)\*EF(lb/MMBTu)\*(8,760hr/yr)\*(1ton/2,000lbs) or Heat Input Capacity(MMBtu/hr)\*Heating Value(gal/MMBTu)\*EF(lb/gal)\*(8,760hr/yr)\*(1ton/2,000lbs)

**Appendix A: Emissions Calculations**

**Company Name: Tyson Fresh Meats, Inc.**  
**Address City IN Zip: 2125 South County Road 125, Logansport, IN 46947**  
**Minor Source Modification No: 017-27618-00034**  
**Significant Permit Modification: 017-27192-00034**  
**Reviewer: C. Sullivan**  
**Date: March 25, 2009**

Boiler B001

**SUMMARY**

<b>PTE Before Modification</b>						
	<b>PM</b>	<b>PM<sub>10</sub></b>	<b>SO<sub>2</sub></b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>
Natural Gas	1.62	1.23	0.13	21.46	1.18	18.40
Propane	1.75	0.44	0.22	31.10	2.41	17.96
Choice White Grease	8.32	8.32	0.00	33.73	0.00	3.07
Worst Case PTE	8.32	8.32	0.22	33.73	2.41	18.40

<b>PTE After Modification (Unlimited)</b>						
	<b>PM</b>	<b>PM<sub>10</sub></b>	<b>SO<sub>2</sub></b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>
Natural Gas	1.62	1.23	0.13	21.46	1.18	18.40
Propane	1.75	0.44	0.22	31.10	2.41	17.96
Choice White Grease	8.32	8.32	0.00	33.73	0.00	3.07
Distillate Oil (Unlimited)	3.13	1.56	55.53	31.27	0.31	7.82
Worst Case PTE	8.32	8.32	55.53	33.73	2.41	18.40
Change in PTE After Modification	0.00	0.00	55.31	0.00	0.00	0.00

<b>PTE After Modification (Limited)</b>						
	<b>PM</b>	<b>PM<sub>10</sub></b>	<b>SO<sub>2</sub></b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>
Natural Gas	1.62	1.23	0.13	21.46	1.18	18.40
Propane	1.75	0.44	0.22	31.10	2.41	17.96
Choice White Grease	8.32	8.32	0.00	33.73	0.00	3.07
Distillate Oil (Limited)	0.001	0.001	0.022	0.012	0.000	0.003
Mix Choice White Gr & Distillate Oil	8.30	8.29	0.02	33.64	0.00	3.06
Worst Case PTE	8.32	8.32	0.22	33.73	2.41	18.40
Change in PTE After Modification	0.00	0.00	0.00	0.00	0.00	0.00

Boiler Capacity: 50 MMBTU/hr  
 Operating Hours: 8,760 hrs/yr