



*Mitchell E. Daniels, Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
MC 61-53 IGCN 1003  
(317) 232-8603  
(800) 451-6027  
www.IN.gov/idem

TO: Interested Parties / Applicant  
DATE: September 19, 2007  
RE: Armour-Eckrich Meats, LLC / 103-25149-00035  
FROM: Nisha Sizemore  
Chief, Permits Branch  
Office of Air Quality

### Notice of Decision – Approval

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

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

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

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

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

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

Enclosures  
FNPER-AM.dot 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

Mitchell E. Daniels, Jr.  
Governor

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September 19, 2007

Jason Tinch  
Armour-Eckrich Meats, LLC  
3311 State Road 19 South  
Peru, IN 46970-7476

Re: 103-25149-00035  
Notice-Only Change to  
MSOP 103-19206-00035

Dear Mr. Tinch,

Marburger Foods, Inc. was issued a Minor Source Operating Permit (MSOP) on August 19, 2004 for a pre-cooked bacon processing plant located at 3311 State Road 19 South, Peru, IN 46970-7476, which is now operated by Armour-Eckrich Meats, LLC. A letter requesting a change was received on August 15, 2007. The request was made to update several emission unit descriptions listed in the permit.

This revision adds emission units of the same type that are already permitted and that will comply with the same applicable requirements and permit terms and conditions as the existing emission units, and the revision does not result in a potential to emit greater than the thresholds in 326 IAC 2-2. Also, this revision has a potential to emit that is less than the ranges required to have a minor permit revision under 326 IAC 2-6.1-6(g).

Pursuant to the provisions of 326 IAC 2-6.1-6, a notice-only change to this permit is hereby approved as described in the attached Technical Support Document.

All other conditions of the permit shall remain unchanged and in effect. Please retain a copy of the following revised permit for Armour-Eckrich Meats, LLC.

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 Pam K. Way at (800) 451-6027, press 0 and ask for extension 4-5373, or dial (317) 234-5373.

Sincerely,

*Original signed by*  
Nisha Sizemore, Chief  
Permits Branch  
Office of Air Quality

PKW

Attachments: TSD, revised permit

cc: File - Miami County  
Miami County Health Department  
U.S. EPA, Region V  
Air Compliance Section Inspector - Lisa Hayhurst  
Compliance Data Section  
Administrative and Development



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**NEW SOURCE CONSTRUCTION PERMIT  
 and MINOR SOURCE OPERATING PERMIT  
 OFFICE OF AIR QUALITY**

**Armour-Eckrich Meats, LLC  
 3311 State Road 19 South  
 Peru, Indiana 46970**

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

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-5.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 103-19206-00035	
Original Signed by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: August 19, 2004 Expiration Date: August 19, 2009
First Notice Only Change 103-23500-00035	Issuance Date: November 1, 2006
Second Notice Only Change 103-25149-00035	
Issued by:  <i>Original signed by</i> Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: September 19, 2007  Expiration Date: August 19, 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 and A.2 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 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a stationery meat processing plant.

Source Address:	3311 State Road 19 South, Peru, IN 46970
Mailing Address:	3311 State Road 19 South, Peru, IN 46970
General Source Phone:	(765) 473-3086
SIC Code:	2011, 2013
County Location:	Miami
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Minor Source, under PSD; Minor Source, Section 112 of the Clean Air Act

### A.2 Emissions Units and Pollution Control Equipment Summary

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This stationary source is approved to operate the following emissions units and pollution control devices:

Plant 1 Building:

- (a) One (1) natural gas fired boiler, identified as 2064, with a maximum heat input capacity of 10.461 MMBtu per hour, constructed in 1992 and exhausting through stack 1.
- (b) One (1) natural gas fired boiler, identified as Hurst boiler, with a maximum heat input capacity of 10.50 MMBtu per hour, constructed in 1998 and exhausting through stack 2.
- (c) Six (6) natural gas fired office furnaces with a total maximum heat input capacity of 0.614 MMBtu per hour.
- (d) Eight (8) natural gas fired room space heaters with a total maximum heat input capacity of 1.05 MMBtu per hour.
- (e) Five (5) natural gas fired room Accuair units rated at maximum heat input capacity of 2.43, 3.24, 3.47, 4.05 and 4.86 MMBtu per hour.
- (f) Five (5) Peru Microwave ovens with no natural gas fired pre-heaters, identified as #3 through #7.
- (g) Three (3) natural gas fired Dixon Microwave ovens, identified as #8 through #10, each equipped with a natural gas fired preheater rated at 0.8 MMBtu per hour.
- (h) One (1) Dixon Microwave oven with no natural gas fired pre-heaters, identified as #11.
- (i) Four (4) natural gas fired air makeup units rated at maximum heat input capacity of 1.637, 1.143, 0.151, and 1.324 MMBtu per hour.
- (j) One (1) natural gas fired hot water heater with a maximum heat input capacity of 33.0 MMBtu per hour, constructed in 2004 and exhausting through stack 12.

Plant 3 Building:

- (k) One (1) natural gas fired boiler, identified as 251866, with a maximum heat input capacity of 4.185 MMBtu per hour, constructed in 1996 and exhausting to stack 3.
- (l) Five (5) natural gas fired area furnaces with a total maximum heat input capacity of 1.216 MMBtu per hour.
- (m) One (1) natural gas fired water heater with a maximum heat input capacity of 4.56 MMBtu per hour.
- (n) Two (2) Peru Microwave ovens with no natural gas fired pre-heaters, identified as #1 and #2.
- (o) One (1) natural gas fired Accuair unit rated at maximum heat input capacity of 3.46 MMBtu per hour.
- (p) One (1) natural gas fired air makeup unit with a maximum heat input capacity of 1.2 MMBtu per hour.
- (q) One (1) natural gas fired space heater with a maximum heat input capacity of 0.1 MMBtu per hour.

Wastewater Building:

- (r) One (1) natural gas fired pallet shop heater rated at maximum heat input capacity of 0.25 MMBtu per hour.
- (s) One (1) natural gas fired space heater rated at maximum heat input capacity of 0.165 MMBtu per hour.
- (t) One (1) natural gas fired water heater rated at maximum heat input capacity of 0.20 MMBtu per hour.

Dry Goods Warehouse:

- (u) One (1) natural gas fired shop furnace rated at maximum heat input capacity of 0.30 MMBtu per hour.

Pork Belly Processing Plant:

- (v) Two (2) batch smokehouses, identified as #1 and #2, each equipped with two (2) 1.65 MMBtu per hour natural gas-fired furnaces and having a maximum throughput capacity of 6,912 pounds of pork bellies per hour and 24.0 pounds of wood chips per hour. Combustion and smokehouse emissions are exhausted through stacks 4 and 5.
- (w) Six (6) batch smokehouses, identified as #3 through #8, each equipped with two (2) 1.65 MMBtu per hour natural gas-fired furnaces and having a maximum throughput capacity of 6,912 pounds of pork bellies per hour with no wood chips usage. Combustion and smokehouse emissions are exhausted through stacks 6 through 11.
- (x) Five (5) natural gas fired Accuair Units rated at maximum heat input capacity of 0.194, 1.73, 2.43, 4.05 and 6.5 MMBtu per hour.
- (y) One (1) natural gas fired air make up unit with a maximum heat input capacity of 0.096 MMBtu per hour.

- (z) Two (2) natural gas fired area furnaces with a total maximum heat input capacity of 0.47 MMBtu per hour.
- (aa) Eight (8) natural gas fired room space heaters with a total maximum heat input capacity of 1.93 MMBtu per hour.

Building 7:

- (bb) One (1) natural gas fired space heater rated at maximum heat input capacity of 0.25 MMBtu per hour.
- (cc) One (1) natural gas fired area furnace rated at maximum heat input capacity of 0.08 MMBtu per hour.

Facility wide:

- (dd) One (1) aboveground diesel storage tank with a maximum storage capacity of 500 gallons.
- (ee) One (1) aboveground used hydraulic oil storage tank with a maximum storage capacity of 500 gallons.
- (ff) Three (3) aboveground liquid nitrogen storage tanks having a maximum storage capacity of 6,000, 9,000 and 13,000 gallons.
- (gg) One (1) aboveground glycol storage tank with a maximum storage capacity of 1,000 gallons.
- (hh) One (1) aboveground wastewater pretreatment equalization tank with a maximum storage capacity of 166,000 gallons.
- (ii) One (1) aboveground wastewater pretreatment sludge tank with a maximum storage capacity of 197,000 gallons.
- (jj) One (1) aboveground wastewater pretreatment activated sludge tank with a maximum storage capacity of 266,000 gallons.
- (kk) One (1) Generac diesel fired emergency power generator with a maximum rating of 805 horsepower.

## **SECTION B GENERAL CONDITIONS**

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1.1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

### **B.1 Permit No Defense [IC 13]**

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This permit 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.

### **B.2 Definitions**

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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 2-1.1-1 shall prevail.

### **B.3 Effective Date of the Permit [IC13-15-5-3]**

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Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.

### **B.4 Revocation of Permits [326 IAC 2-1.1-9(5)]**

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Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit 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.

### **B.5 Permit Term and Renewal [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5]**

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

The Permittee shall apply for an operation permit renewal at least ninety (90) days prior to the expiration date. If a timely and sufficient permit application for a renewal has been made, this permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

### **B.6 Modification to Permit [326 IAC 2]**

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Notwithstanding the Section B condition entitled "Minor Source Operating Permit", all requirements and conditions of this construction permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

### **B.7 Minor Source Operating Permit [326 IAC 2-6.1]**

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This document shall also become a minor source operating permit pursuant to 326 IAC 2-6.1 when, prior to start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), Permit Administration & Development Section.
  - (1) If the Affidavit of Construction verifies that the facilities covered in this Construction Permit were constructed as proposed in the application, then the facilities may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.
  - (2) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2-6.1-6 and an Operation Permit Validation Letter is issued.

- (b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.
- (c) Upon receipt of the Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section, the Permittee shall attach it to this document.
- (d) The operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-1.1-7(Fees).

**B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]**

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- (a) Annual notification shall be submitted to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) Noncompliance with any condition must be specifically identified. If there are any permit conditions or requirements for which the source is not in compliance at any time during the year, the Permittee must provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be, achieved. The notification must be signed by an authorized individual.
- (c) The annual notice shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in the format attached no later than March 1 of each year to:  
  
Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, IN 46204-2251
- (d) The notification 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.

**B.9 Preventive Maintenance Plan [326 IAC 1-6-3]**

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days (this time frame is determined on a case by case basis but no more than ninety (90) days) after issuance of this permit, including the following information on each emissions unit:
  - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMP's 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 PMP whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).
- (d) 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.10 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]**

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- (a) Permit revisions are governed by the requirements of 326 IAC 2-6.1-6.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application shall be certified by an “authorized individual” as defined by 326 IAC 2-1.1-1.

- (c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a non-road engine, as defined in 40 CFR 89.2.

**B.11 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [IC 13-14-2-2]  
[IC13-17-3-2][IC 13-30-3-1]**

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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 permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under this title or the conditions of this permit or any operating permit revisions;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

**B.12 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]**

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Pursuant to [326 IAC 2-6.1-6(d)(3)]:

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch, within thirty (30) days of the change.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by an notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).
- (c) IDEM, OAQ, shall issue a revised permit.

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

**B.13 Annual Fee Payment [326 IAC 2-1.1-7]**

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- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing.
- (b) 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.

## SECTION C

## SOURCE OPERATION CONDITIONS

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

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

C.2 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to construct and operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

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

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

C.4 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
- (2) If there is a change in the following:
  - (A) Asbestos removal or demolition start date;
  - (B) Removal or demolition contractor; or
  - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue,  
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 an "authorized individual" as defined by 326 IAC 2-7-1(34).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

## Testing Requirements

### C.5 Performance Testing [326 IAC 3-6]

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

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

Indiana Department of Environmental Management  
Compliance Data Section, 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.

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ (and local agency) not later than forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM, OAQ, (and local agency), 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.6 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**

#### **C.7 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.

### **Record Keeping and Reporting Requirements**

#### **C.8 Malfunctions Report [326 IAC 1-6-2]**

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Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).

- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.9 General Record Keeping Requirements [326 IAC 2-6.1-5]

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

C.10 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) Reports required by conditions in Section D of this permit shall be submitted to:

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

- (b) 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.
- (c) Unless otherwise specified in this permit, any report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The report does not require the certification by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).
- (d) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

## SECTION D.1

## EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

#### Plant 1 Building:

- (a) One (1) natural gas fired boiler, identified as 2064, with a maximum heat input capacity of 10.461 MMBtu per hour, constructed in 1992 and exhausting through stack 1.
- (b) One (1) natural gas fired boiler, identified as Hurst boiler, with a maximum heat input capacity of 10.50 MMBtu per hour, constructed in 1998 and exhausting through stack 2.
- (c) Six (6) natural gas fired office furnaces with a total maximum heat input capacity of 0.614 MMBtu per hour.
- (d) Eight (8) natural gas fired room space heaters with a total maximum heat input capacity of 1.05 MMBtu per hour.
- (e) Five (5) natural gas fired room Accuair units rated at maximum heat input capacity of 2.43, 3.24, 3.47, 4.05 and 4.86 MMBtu per hour.
- (f) Five (5) Peru Microwave ovens with no natural gas fired pre-heaters, identified as #3 through #7.
- (g) Three (3) natural gas fired Dixon Microwave ovens, identified as #8 through #10, each equipped with a natural gas fired preheater rated at 0.8 MMBtu per hour.
- (h) One (1) Dixon Microwave oven with no natural gas fired pre-heaters, identified as #11.
- (i) Four (4) natural gas fired air makeup units rated at maximum heat input capacity of 1.637, 1.143, 0.151, and 1.324 MMBtu per hour.
- (j) One (1) natural gas fired hot water heater with a maximum heat input capacity of 33.0 MMBtu per hour, constructed in 2004 and exhausting through stack 12.

#### Plant 3 Building:

- (k) One (1) natural gas fired boiler, identified as 251866, with a maximum heat input capacity of 4.185 MMBtu per hour, constructed in 1996 and exhausting to stack 3.
- (l) Five (5) natural gas fired area furnaces with a total maximum heat input capacity of 1.216 MMBtu per hour.
- (m) One (1) natural gas fired water heater with a maximum heat input capacity of 4.56 MMBtu per hour.
- (n) Two (2) Peru Microwave ovens with no natural gas fired pre-heaters, identified as #1 and #2.
- (o) One (1) natural gas fired Accuair unit rated at maximum heat input capacity of 3.46 MMBtu per hour.
- (p) One (1) natural gas fired air makeup unit with a maximum heat input capacity of 1.2 MMBtu per hour.
- (q) One (1) natural gas fired space heater with a maximum heat input capacity of 0.1 MMBtu per hour.

Wastewater Building:

- (r) One (1) natural gas fired pallet shop heater rated at maximum heat input capacity of 0.25 MMBtu per hour.
- (s) One (1) natural gas fired space heater rated at maximum heat input capacity of 0.165 MMBtu per hour.
- (t) One (1) natural gas fired water heater rated at maximum heat input capacity of 0.20 MMBtu per hour.

Dry Goods Warehouse:

- (u) One (1) natural gas fired shop furnace rated at maximum heat input capacity of 0.30 MMBtu per hour.

Pork Belly Processing Plant:

- (v) Two (2) batch smokehouses, identified as #1 and #2, each equipped with two (2) 1.65 MMBtu per hour natural gas-fired furnaces and having a maximum throughput capacity of 6,912 pounds of pork bellies per hour and 24.0 pounds of wood chips per hour. Combustion and smokehouse emissions are exhausted through stacks 4 and 5.
- (w) Six (6) batch smokehouses, identified as #3 through #8, each equipped with two (2) 1.65 MMBtu per hour natural gas-fired furnaces and having a maximum throughput capacity of 6,912 pounds of pork bellies per hour with no wood chips usage. Combustion and smokehouse emissions are exhausted through stacks 6 through 11.
- (x) Five (5) natural gas fired Accuair Units rated at maximum heat input capacity of 0.194, 1.73, 2.43, 4.05 and 6.5 MMBtu per hour.
- (y) One (1) natural gas fired air make up unit with a maximum heat input capacity of 0.096 MMBtu per hour.
- (z) Two (2) natural gas fired area furnaces with a total maximum heat input capacity of 0.47 MMBtu per hour.
- (aa) Eight (8) natural gas fired room space heaters with a total maximum heat input capacity of 1.93 MMBtu per hour.

Building 7:

- (bb) One (1) natural gas fired space heater rated at maximum heat input capacity of 0.25 MMBtu per hour.
- (cc) One (1) natural gas fired area furnace rated at maximum heat input capacity of 0.08 MMBtu per hour.

Facility wide:

- (dd) One (1) aboveground diesel storage tank with a maximum storage capacity of 500 gallons.
- (ee) One (1) aboveground used hydraulic oil storage tank with a maximum storage capacity of 500 gallons.
- (ff) Three (3) aboveground liquid nitrogen storage tanks having a maximum storage capacity of 6,000, 9,000 and 13,000 gallons.

- (gg) One (1) aboveground glycol storage tank with a maximum storage capacity of 1,000 gallons.
- (hh) One (1) aboveground wastewater pretreatment equalization tank with a maximum storage capacity of 166,000 gallons.
- (ii) One (1) aboveground wastewater pretreatment sludge tank with a maximum storage capacity of 197,000 gallons.
- (jj) One (1) aboveground wastewater pretreatment activated sludge tank with a maximum storage capacity of 266,000 gallons.
- (kk) One (1) Generac diesel fired emergency power generator with a maximum rating of 805 horsepower.

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

### Emission Limitations and Standards

#### D.1.1 Particulate Matter (PM) [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating: Emission Limitations for Facilities Specified in 326 IAC 6-2-1 (c)), particulate emissions from the 10.461, 4.185 and 10.50 MMBtu per hour heat input boilers and the 33.0 MMBtu per hour heat input water heater shall be limited to 0.592, 0.542, 0.471 and 0.379 pounds per MMBtu heat input, respectively.

The limits were calculated using the following equation:

$$Pt = 1.09/Q^{0.26}$$

Where Pt = Pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input; and  
Q = Total source maximum heat input capacity in MMBtu/hr

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

The 10.461 and 10.50 MMBtu per hour boilers and the 33.0 MMBtu per hour heat input water heater are subject to 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units). Pursuant to 40 CFR 60.48c(g), the Permittee shall keep records of the amounts of each fuel combusted during each day.

#### D.1.3 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable particulate emission rate from smokehouses #1 and #2 shall not exceed 9.41 pounds per hour each when operating at a process weight rate of 3.456 tons per hour. The pounds per hour limitation was calculated using the following equation:

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

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

#### D.1.4 Preventive Maintenance Plan [326 IAC 1-6-3]

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

## **Compliance Determination Requirements**

### **D.1.5 Natural Gas**

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In order to demonstrate compliance with D.1.1 and D.1.2, the source shall burn only natural gas in the 10.461, 4.185 and 10.50 MMBtu per hour heat input boilers and the 33.0 MMBtu per hour heat input water heater.

## **Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]**

### **D.1.6 Record Keeping Requirements**

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- (a) To document compliance with Condition D.1.2, the Permittee shall record and maintain records for a period of two years of the amounts of natural gas combusted during each day in the 10.461 and 10.50 MMBtu per hour boilers and the 33.0 MMBtu per hour heat input water heater.
  
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

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

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

<b>Company Name:</b>	Armour-Eckrich Meats, LLC
<b>Address:</b>	3311 State Road 19 South
<b>City:</b>	Peru
<b>Phone #:</b>	(765) 473-3086
<b>MSOP #:</b>	103-19206-00035

I hereby certify that Armour-Eckrich Meats LLC is  still in operation.  
 no longer in operation.

I hereby certify that Armour-Eckrich Meats LLC is  in compliance with the requirements of MSOP 103-19206-00035.  
 not in compliance with the requirements of MSOP 103-19206-00035.

<b>Authorized Individual (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

<b>Noncompliance:</b>

**MALFUNCTION REPORT**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
FAX NUMBER - 317 233-6865**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?\_\_\_\_\_, 25 TONS/YEAR SULFUR DIOXIDE ?\_\_\_\_\_, 25 TONS/YEAR NITROGEN OXIDES?\_\_\_\_\_, 25 TONS/YEAR VOC ?\_\_\_\_\_, 25 TONS/YEAR HYDROGEN SULFIDE ?\_\_\_\_\_, 25 TONS/YEAR TOTAL REDUCED SULFUR ?\_\_\_\_\_, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?\_\_\_\_\_, 25 TONS/YEAR FLUORIDES ?\_\_\_\_\_, 100TONS/YEAR CARBON MONOXIDE ?\_\_\_\_\_, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?\_\_\_\_\_, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?\_\_\_\_\_, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?\_\_\_\_\_, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?\_\_\_\_\_. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION \_\_\_\_\_.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC \_\_\_\_\_ OR, PERMIT CONDITION # \_\_\_\_\_ AND/OR PERM LIMIT OF \_\_\_\_\_

THIS INCIDENT MEETS THE DEFINITION OF >MALFUNCTION= AS LISTED ON REVERSE SIDE ?    Y    N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ?    Y    N

COMPANY: \_\_\_\_\_ PHONE NO. ( ) \_\_\_\_\_

LOCATION: (CITY AND COUNTY) \_\_\_\_\_

PERMIT NO. \_\_\_\_\_ AFS PLANT ID: \_\_\_\_\_ AFS POINT ID: \_\_\_\_\_ INSP: \_\_\_\_\_

CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: \_\_\_\_\_

DATE/TIME MALFUNCTION STARTED: \_\_\_\_/\_\_\_\_/19\_\_\_\_    \_\_\_\_\_ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: \_\_\_\_\_

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/19\_\_\_\_    \_\_\_\_\_ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: \_\_\_\_\_

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: \_\_\_\_\_

MEASURES TAKEN TO MINIMIZE EMISSIONS: \_\_\_\_\_

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_

INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_

MALFUNCTION REPORTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

\*SEE PAGE 2

**Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.**

**326 IAC 1-6-1 Applicability of rule**

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

**326 IAC 1-2-39 “Malfunction” definition**

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

\***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

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## Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a  
Notice-Only Change (NOC) to a Minor Source Operating Permit

### Source Description and Location

<b>Source Name:</b>	<b>Armour-Eckrich Meats, LLC</b>
<b>Source Location:</b>	<b>3311 State Road 19 South, Peru, IN 46970-7476</b>
<b>County:</b>	<b>Miami</b>
<b>SIC Code:</b>	<b>2011, 2013</b>
<b>Operating Permit No.:</b>	<b>103-19206-00035</b>
<b>Operating Permit Issuance Date:</b>	<b>August 19, 2004</b>
<b>Revision No.:</b>	<b>103-25149-00035</b>
<b>Permit Reviewer:</b>	<b>Pam K. Way</b>

### Existing Approvals

The emission source was issued Minor Source Operating Permit (MSOP) 103-19206-00035 on August 19, 2004 while under the ownership of Marburger Foods, Inc. The source has since received Notice-Only Change 103-23500-00035, issued on November 1, 2006, which acknowledged a transfer in ownership and updated Condition C.17 to reflect recent changes in 326 IAC 2-6 "Emission Reporting." This application is the second revision to the Minor Source Operating Permit.

### County Attainment Status

The emission source is located in Miami County.

Pollutant	Status
PM <sub>10</sub>	attainment
PM <sub>2.5</sub>	attainment
SO <sub>2</sub>	attainment
NO <sub>2</sub>	attainment
8-hour Ozone	attainment
CO	attainment
Lead	attainment

- (a) The revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana took effect on October 25, 2006.
- (b) 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. Miami 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.

- (c) Miami County has been classified as attainment for PM<sub>2.5</sub>. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM<sub>2.5</sub> emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for PM<sub>2.5</sub> emissions, it has directed states to regulate PM<sub>10</sub> emissions as a surrogate for PM<sub>2.5</sub> emissions.
- (d) Miami County has been classified as attainment or unclassifiable in Indiana for all other pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

See "Permit Level Determination - PSD" for more details regarding PSD 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	Potential to Emit (tons/yr)
PM	6.60
PM <sub>10</sub>	9.68
SO <sub>2</sub>	0.32
VOC	7.61
CO	45.41
NO <sub>x</sub>	54.08

- (a) This emission source, a pre-cooked bacon processing plant, is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is not classified as a major stationary source under PSD (326 IAC 2-2), because:
  - (1) no regulated pollutant is emitted at a rate of 250 tons per year or more, and
  - (2) it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

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/yr)
Single HAP	less than 10
Total HAPs	less than 25

This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because HAP 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).

### **Background and Description of Proposed Modification**

The Office of Air Quality (OAQ) has reviewed an application, submitted by Armour-Eckrich Meats, LLC on August 15, 2007, relating to the operation of a pre-cooked bacon processing plant located at 3311 State Road 19 South, Peru, IN 46970-7476. The application involves a request to update the emission unit descriptions listed in Minor Source Operating Permit 103-19206-00035, which was originally issued to Marburger Foods, Inc.

#### New Emission Units and Pollution Control Equipment

The application includes information relating to the addition of the following emission units or pollution control equipment:

- (a) Various natural gas-fired combustion units (office furnaces, Accuair units, air make up units, area furnaces, and space heaters) with heat input equal to or less than ten million (10,000,000) British thermal units per hour. (These units are classifiable as exempt emission units under 326 IAC 2-1.1-3(e)(5)(A)(i).)
- (b) Two (2) aboveground liquid nitrogen storage tanks having a maximum storage capacity of 6,000 and 13,000 gallons. (These units emit no criteria pollutants or HAPs and are classifiable as exempt emission units under 326 IAC 2-1.1-3(e)(1).)
- (c) One (1) Generac backup diesel fired power generator with a maximum rating of 805 horsepower. (This unit is classifiable as an exempt emission unit under 326 IAC 2-1.1-3(e)(25)(B)(ii).)

#### Existing Emission Units and Pollution Control Equipment

The application includes updated maximum heat input capacity information relating to the operation of the following emission units or pollution control equipment:

- (a) Various natural gas-fired combustion units (office furnaces, Accuair units, air make up units, area furnaces, and space heaters) with heat input equal to or less than ten million (10,000,000) British thermal units per hour. (These units were either replaced by units of different capacities, or otherwise had incorrect maximum rated capacities listed in the MSOP. These units are classifiable as exempt emission units under 326 IAC 2-1.1-3(e)(5)(A)(i).)
- (b) One (1) natural gas fired hot water heater with a maximum heat input capacity of 33.0 MMBtu per hour, constructed in 2004 and exhausting through stack 12. (This unit had an incorrect location and maximum rated capacity listed in the MSOP.)
- (c) Two (2) batch smokehouses, identified as #1 and #2, each equipped with two (2) 1.65 MMBtu per hour natural gas-fired furnaces and having a maximum throughput capacity of 6,912 pounds of pork bellies per hour and 24.0 pounds of wood chips per hour. Combustion and smokehouse emissions are exhausted through stacks 4 and 5. (The furnaces on these units had incorrect quantities and maximum rated capacities listed in the MSOP.)

- (d) Six (6) batch smokehouses, identified as #3 through #8, each equipped with two (2) 1.65 MMBtu per hour natural gas-fired furnaces and having a maximum throughput capacity of 6,912 pounds of pork bellies per hour with no wood chips usage. Combustion and smokehouse emissions are exhausted through stacks 6 through 11. (The furnaces on these units had incorrect quantities and maximum rated capacities listed in the MSOP.)

#### Enforcement Issues

There are no enforcement actions pending against this emission source.

#### **Emission Calculations**

The natural gas fuel firing capacities were evaluated for all emission units at the source. The source's maximum natural gas fuel firing capacity increases from 123.48 MMBtu/hr to 140.10 MMBtu/hr, which is an increase of 16.62 MMBtu/hr. The emissions from the emergency generator were also calculated. See Appendix A of this document for detailed emission calculations (7 pages).

#### **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 reflects the PTE before controls of the additions and proposed changes. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential to Emit (tons/yr)
PM	0.19
PM <sub>10</sub>	0.58
SO <sub>2</sub>	0.30
VOC	8.92
CO	0.45
NO <sub>x</sub>	6.55

HAPs	Potential to Emit (tons/yr)
Hexane	0.131
Formaldehyde	0.005
Total	0.136

### **Justification for Notice-Only Change**

This revision adds emission units of the same type that are already permitted and that will comply with the same applicable requirements and permit terms and conditions as the existing emission units, and the revision does not result in a potential to emit greater than the thresholds in 326 IAC 2-2. Also, this revision has a potential to emit less than the ranges required to have a minor permit revision under 326 IAC 2-6.1-6(g). Therefore, the revision may be processed as a notice-only change under 326 IAC 2-6.1-6(d)(13).

### **Permit Level Determination – PSD or Emission Offset**

This modification to an existing minor stationary source is not major because the emission increase is less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

### **Federal Rule Applicability Determination**

#### 326 IAC 12 and 40 CFR Part 60 (New Source Performance Standards (NSPS))

The boilers identified as 2064, the Hurst boiler and the 33.0 MMBtu/hr water heater at this source are subject to 326 IAC 12 (40 CFR 60 Subpart Dc) "Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units". This rule places no emission limits on emission units which are fired only by natural gas. However, the record keeping requirements of 40 CFR 60.48c(g) are applicable.

There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part (60) included in this proposed revision.

#### 326 IAC 14, 326 IAC 20 and 40 CFR Part 63 (National Emission Standards for Hazardous Air Pollutants (NESHAPs))

There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) included in this proposed revision.

### **State Rule Applicability Determination – Entire Source**

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

This source is not a major source for Prevention of Significant Deterioration, 326 IAC 2-2, since the potential to emit of each attainment regulated pollutant is less than 250 tons per year, and it is not in one of the 28 listed source categories.

This modification to an existing minor stationary source is not major because the emission increase is less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

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

This source is not subject to 326 IAC 2-4.1-1 (New Source Toxics Control). The source was existing as of July 27, 1997. Also, the modification by itself does not have potential to emit ten (10) tons per year for a single HAP or twenty-five (25) tons per year of a combination of HAPs.

**State Rule Applicability Determination -  
Boiler 2064, Boiler 251866, the Hurst Boiler, and the 33.0 MMBtu/hr Water Heater**

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

The boilers identified as 2064, 251866, the Hurst boiler and the 33.0 MMBtu/hr water heater at this source are subject to 326 IAC 6-2. Pursuant to 326 IAC 6-2-4 (Emission Limitations for Facilities Specified in 326 IAC 6-2-1(d)), particulate emissions shall be limited to 0.592, 0.542, 0.471 and 0.379 pounds per MMBtu heat input, respectively.

The limit was calculated using the following equation:

$$Pt = 1.09/Q^{0.26}$$

Where Pt = Pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input; and  
Q = Total source maximum heat input capacity in MMBtu/hr

**State Rule Applicability Determination - Smokehouses #1 and #2**

326 IAC 6-3-2 (Particulate emission limitations, work practices, and control technologies)

Smokehouses #1 and #2, which smoke using wood chips, are subject to 326 IAC 6-3. Pursuant to 326 IAC 6-3-2 (Process Operations), the allowable particulate emission rate from smokehouses #1 and #2 shall not exceed 9.41 pounds per hour each when operating at a process weight rate of 3.456 tons per hour. The pounds per hour limitation was calculated using the following equation:

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

This revision will not change this emission limit.

**State Rule Applicability Determination - Smokehouses #3 through #8**

Smokehouses #3 through #8 do not smoke meats using wood chips. These smokehouses are exempt from 326 IAC 6-3 since potential particulate emissions are less than 0.551 pounds per hour. As a result, there are no state rules that are specifically applicable to Smokehouses #3 through #8.

**State Rule Applicability Determination -  
Office Furnaces, Accuair Units, Air Make Up Units, Area Furnaces, and Space Heaters**

There are no state rules that are specifically applicable to these emission units.

**Proposed Changes**

In addition to the changes directly related to the modification, OAQ made the following revisions to the Part 70 permit:

- (a) Section A - General Information has been updated. The "responsible official" will no longer be listed in the permit.

- (b) OAQ added mail codes to all OAQ addresses listed in the permit. This affects Conditions B.8, B.9, B.10, C.4, C.5, and C.10 as follows:

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
**MC 61-52 IGCN 1003**  
Indianapolis, IN 46204-2251

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

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

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

The changes listed below are being proposed to Minor Source Operating Permit No. 103-19206-00035. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a stationery meat processing plant.

Authorized Individual:	<del>Plant Manager</del>
Source Address:	3311 State Road 19 South, Peru, IN 46970
Mailing Address:	3311 State Road 19 South, Peru, IN 46970
General Source Phone:	(765) 473-3086
SIC Code:	2011, 2013
County Location:	Miami
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Minor Source, under PSD; Minor Source, Section 112 of the Clean Air Act

A.2 Emissions Units and Pollution Control Equipment Summary

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This stationary source is approved to operate the following emissions units and pollution control devices:

Plant 1 Building:

- (a) One (1) natural gas fired boiler, identified as 2064, with a maximum heat input capacity of 10.461 MMBtu per hour, constructed in 1992 and exhausting through stack 1.
- (b) One (1) natural gas fired boiler, identified as Hurst boiler, with a maximum heat input capacity of 10.50 MMBtu per hour, constructed in 1998 and exhausting through stack 2.
- (c) ~~Three (3)~~ **Six (6)** natural gas fired office furnaces with ~~each one rated at maximum heat input capacity of 0.06, 0.06, and 0.115~~ **a total maximum heat input capacity of 0.614** MMBtu per hour.
- (d) Eight (8) natural gas fired room space heaters with ~~each one rated at maximum heat input capacity of 0.08, 0.126, 0.10, 0.075, 0.10, 0.10, 0.132 and 0.132~~ **a total maximum heat input capacity of 1.05** MMBtu per hour.
- (e) ~~Two (2)~~ **Five (5)** natural gas fired room Accuair units with ~~each one~~ rated at maximum heat input capacity of ~~2.82~~ **2.43, 3.24, 3.47, 4.05 and 4.86** MMBtu per hour.
- (f) Five (5) Peru Microwave ovens with no natural gas fired pre-heaters, identified as #3 through #7.
- (g) Three (3) natural gas fired Dixon Microwave ovens, identified as #8 through #10, each equipped with a natural gas fired preheater rated at 0.8 MMBtu per hour.
- (h) One (1) Dixon Microwave oven with no natural gas fired pre-heaters, identified as #11.
- (i) **Four (4) natural gas fired air makeup units rated at maximum heat input capacity of 1.637, 1.143, 0.151, and 1.324** MMBtu per hour.
- (j) **One (1) natural gas fired hot water heater with a maximum heat input capacity of 33.0** MMBtu per hour, constructed in 2004 and exhausting through stack 12.

Plant 3 Building:

- ~~(k)~~<sup>(j)</sup> One (1) natural gas fired boiler, identified as 251866, with a maximum heat input capacity of 4.185 MMBtu per hour, constructed in 1996 and exhausting to stack 3.
- ~~(l)~~<sup>(i)</sup> ~~Three (3)~~ **Five (5)** natural gas fired area furnaces with ~~each one rated at maximum heat input capacity of 0.12, 0.175, and 0.80~~ **a total maximum heat input capacity of 1.216** MMBtu per hour.
- ~~(m)~~<sup>(h)</sup> ~~Three (3)~~ **One (1)** natural gas fired water heater with ~~each one rated at maximum heat input capacity of 2.3~~ **a maximum heat input capacity of 4.56** MMBtu per hour.
- ~~(n)~~<sup>(g)</sup> Two (2) Peru Microwave ovens with no natural gas fired pre-heaters, identified as #1 and #2.
- ~~(o)~~<sup>(f)</sup> One (1) natural gas fired Accuair unit rated at maximum heat input capacity of 3.46 MMBtu per hour.
- ~~(p)~~<sup>(e)</sup> **One (1) natural gas fired air makeup unit with a maximum heat input capacity of 1.2** MMBtu per hour.

- (q) One (1) natural gas fired space heater with a maximum heat input capacity of 0.1 MMBtu per hour.**

Wastewater Building:

- ~~(r)(n)~~ One (1) natural gas fired pallet shop heater rated at maximum heat input capacity of 0.25 MMBtu per hour.
- ~~(s)(e)~~ One (1) natural gas fired space heater rated at maximum heat input capacity of 0.165 MMBtu per hour.
- ~~(t)(p)~~ One (1) natural gas fired water heater rated at maximum heat input capacity of 0.20 MMBtu per hour.

Dry Goods Warehouse:

- ~~(u)(q)~~ One (1) natural gas fired shop furnace rated at maximum heat input capacity of 0.30 MMBtu per hour.

Pork Belly Processing Plant:

- ~~(r)~~ ~~One (1) natural gas fired hot water heater rated at maximum heat input capacity of 18.0 MMBtu per hour.~~
- ~~(v)(e)~~ Two (2) batch smokehouses, identified as #1 and #2, each equipped with ~~a 3.50~~ **two (2) 1.65** MMBtu per hour natural gas-fired ~~furnace furnaces~~ and having a maximum throughput capacity of 6,912 pounds of pork bellies per hour and 24.0 pounds of wood chips per hour. Combustion and smokehouse emissions are exhausted through stacks 4 and 5.
- ~~(w)(t)~~ Six (6) batch smokehouses, identified as #3 through #8, each equipped with ~~a 3.50~~ **two (2) 1.65** MMBtu per hour natural gas-fired ~~furnace furnaces~~ and having a maximum throughput capacity of 6,912 pounds of pork bellies per hour with no wood chips usage. Combustion and smokehouse emissions are exhausted through stacks 6 through 11.
- ~~(x)(u)~~ ~~Six (6)~~ **Five (5)** natural gas fired Accuair Units ~~with each one~~ rated at maximum heat input capacity of ~~4.59~~ **0.194, 1.73, 2.43, 4.05 and 6.5** MMBtu per hour.
- ~~(y)(v)~~ Three ~~(3)~~ **One (1)** natural gas fired air make up units ~~unit~~ with each one rated at maximum heat input capacity of 0.3, 1.5 and 1.5 **a maximum heat input capacity of 0.096** MMBtu per hour.
- (z) Two (2) natural gas fired area furnaces with a total maximum heat input capacity of 0.47 MMBtu per hour.**
- (aa) Eight (8) natural gas fired room space heaters with a total maximum heat input capacity of 1.93 MMBtu per hour.**

Building 7:

- (bb) One (1) natural gas fired space heater rated at maximum heat input capacity of 0.25 MMBtu per hour.**

**(cc) One (1) natural gas fired area furnace rated at maximum heat input capacity of 0.08 MMBtu per hour.**

Facility wide:

~~(dd)(w)~~ One (1) aboveground diesel storage tank with a maximum storage capacity of 500 gallons.

~~(ee)(x)~~ One (1) aboveground used hydraulic oil storage tank with a maximum storage capacity of 500 gallons.

~~(ff)(y)~~ ~~Two (2)~~ **Three (3)** aboveground liquid nitrogen storage tanks ~~with each one~~ having a maximum storage capacity of **6,000, 9,000 and 13,000** gallons.

~~(gg)(z)~~ One (1) aboveground glycol storage tank with a maximum storage capacity of 1,000 gallons.

~~(hh)(aa)~~ One (1) aboveground wastewater pretreatment equalization tank with a maximum storage capacity of 166,000 gallons.

~~(ii)(bb)~~ One (1) aboveground wastewater pretreatment sludge tank with a maximum storage capacity of 197,000 gallons.

~~(jj)(cc)~~ One (1) aboveground wastewater pretreatment activated sludge tank with a maximum storage capacity of 266,000 gallons.

**(kk) One (1) Generac diesel fired emergency power generator with a maximum rating of 805 horsepower.**

B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]

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(c) ...

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

...

B.9 Preventive Maintenance Plan [326 IAC 1-6-3]

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(a) ...

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

...

B.10 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

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...

(b) ...

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

...

C.4 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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...

(d) ...

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
**MC 61-52 IGCN 1003**  
Indianapolis, Indiana 46204-2251

...

C.5 Performance Testing [326 IAC 3-6]

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(a) ...

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

...

C.10 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

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(a) ...

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

...

## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

#### Plant 1 Building:

- (a) One (1) natural gas fired boiler, identified as 2064, with a maximum heat input capacity of 10.461 MMBtu per hour, constructed in 1992 and exhausting through stack 1.
- (b) One (1) natural gas fired boiler, identified as Hurst boiler, with a maximum heat input capacity of 10.50 MMBtu per hour, constructed in 1998 and exhausting through stack 2.
- (c) ~~Three (3)~~ **Six (6)** natural gas fired office furnaces with ~~each one rated at maximum heat input capacity of 0.06, 0.06, and 0.115~~ **a total maximum heat input capacity of 0.614** MMBtu per hour.
- (d) Eight (8) natural gas fired room space heaters with ~~each one rated at maximum heat input capacity of 0.08, 0.126, 0.10, 0.075, 0.10, 0.10, 0.132 and 0.132~~ **a total maximum heat input capacity of 1.05** MMBtu per hour.
- (e) ~~Two (2)~~ **Five (5)** natural gas fired room Accuair units with ~~each one~~ rated at maximum heat input capacity of ~~2.82~~ **2.43, 3.24, 3.47, 4.05 and 4.86** MMBtu per hour.
- (f) Five (5) Peru Microwave ovens with no natural gas fired pre-heaters, identified as #3 through #7.
- (g) Three (3) natural gas fired Dixon Microwave ovens, identified as #8 through #10, each equipped with a natural gas fired preheater rated at 0.8 MMBtu per hour.
- (h) One (1) Dixon Microwave oven with no natural gas fired pre-heaters, identified as #11.
- (i) **Four (4) natural gas fired air makeup units rated at maximum heat input capacity of 1.637, 1.143, 0.151, and 1.324** MMBtu per hour.
- (j) **One (1) natural gas fired hot water heater with a maximum heat input capacity of 33.0 MMBtu per hour, constructed in 2004 and exhausting through stack 12.**

#### Plant 3 Building:

- ~~(k)~~ One (1) natural gas fired boiler, identified as 251866, with a maximum heat input capacity of 4.185 MMBtu per hour, constructed in 1996 and exhausting to stack 3.
- ~~(l)~~ ~~(j)~~ **Five (5)** natural gas fired area furnaces with ~~each one rated at maximum heat input capacity of 0.12, 0.175, and 0.80~~ **a total maximum heat input capacity of 1.216** MMBtu per hour.
- ~~(m)~~ ~~(k)~~ **One (1)** natural gas fired water heater with ~~each one rated at maximum heat input capacity of 2.3~~ **a maximum heat input capacity of 4.56** MMBtu per hour.
- ~~(n)~~ ~~(l)~~ Two (2) Peru Microwave ovens with no natural gas fired pre-heaters, identified as #1 and #2.
- ~~(o)~~ ~~(m)~~ One (1) natural gas fired Accuair unit rated at maximum heat input capacity of 3.46 MMBtu per hour.

**(p) One (1) natural gas fired air makeup unit with a maximum heat input capacity of 1.2 MMBtu per hour.**

**(q) One (1) natural gas fired space heater with a maximum heat input capacity of 0.1 MMBtu per hour.**

Wastewater Building:

~~(r)(n)~~ One (1) natural gas fired pallet shop heater rated at maximum heat input capacity of 0.25 MMBtu per hour.

~~(s)(e)~~ One (1) natural gas fired space heater rated at maximum heat input capacity of 0.165 MMBtu per hour.

~~(t)(p)~~ One (1) natural gas fired water heater rated at maximum heat input capacity of 0.20 MMBtu per hour.

Dry Goods Warehouse:

~~(u)(q)~~ One (1) natural gas fired shop furnace rated at maximum heat input capacity of 0.30 MMBtu per hour.

Pork Belly Processing Plant:

~~(r)~~ ~~One (1) natural gas fired hot water heater rated at maximum heat input capacity of 18.0 MMBtu per hour.~~

~~(v)(e)~~ Two (2) batch smokehouses, identified as #1 and #2, each equipped with ~~a 3.50~~ **two (2) 1.65** MMBtu per hour natural gas-fired ~~furnace~~ **furnaces** and having a maximum throughput capacity of 6,912 pounds of pork bellies per hour and 24.0 pounds of wood chips per hour. Combustion and smokehouse emissions are exhausted through stacks 4 and 5.

~~(w)(t)~~ Six (6) batch smokehouses, identified as #3 through #8, each equipped with ~~a 3.50~~ **two (2) 1.65** MMBtu per hour natural gas-fired ~~furnace~~ **furnaces** and having a maximum throughput capacity of 6,912 pounds of pork bellies per hour with no wood chips usage. Combustion and smokehouse emissions are exhausted through stacks 6 through 11.

~~(x)(u)~~ ~~Six (6)~~ **Five (5)** natural gas fired Accuair Units with ~~each one~~ rated at maximum heat input capacity of ~~4.59~~ **0.194, 1.73, 2.43, 4.05 and 6.5** MMBtu per hour.

~~(y)(v)~~ ~~Three (3)~~ **One (1)** natural gas fired air make up units ~~unit~~ with ~~each one~~ rated at maximum heat input capacity of ~~0.3, 1.5 and 1.5~~ **a maximum heat input capacity of 0.096** MMBtu per hour.

**(z) Two (2) natural gas fired area furnaces with a total maximum heat input capacity of 0.47 MMBtu per hour.**

**(aa) Eight (8) natural gas fired room space heaters with a total maximum heat input capacity of 1.93 MMBtu per hour.**

**Building 7:**

**(bb)** One (1) natural gas fired space heater rated at maximum heat input capacity of 0.25 MMBtu per hour.

**(cc)** One (1) natural gas fired area furnace rated at maximum heat input capacity of 0.08 MMBtu per hour.

Facility wide:

**(dd)(w)** One (1) aboveground diesel storage tank with a maximum storage capacity of 500 gallons.

**(ee)(x)** One (1) aboveground used hydraulic oil storage tank with a maximum storage capacity of 500 gallons.

**(ff)(y)** ~~Two (2)~~ **Three (3)** aboveground liquid nitrogen storage tanks ~~with each one~~ having a maximum storage capacity of **6,000, 9,000 and 13,000** gallons.

**(gg)(z)** One (1) aboveground glycol storage tank with a maximum storage capacity of 1,000 gallons.

**(hh)(aa)** One (1) aboveground wastewater pretreatment equalization tank with a maximum storage capacity of 166,000 gallons.

**(ii)(bb)** One (1) aboveground wastewater pretreatment sludge tank with a maximum storage capacity of 197,000 gallons.

**(jj)(cc)** One (1) aboveground wastewater pretreatment activated sludge tank with a maximum storage capacity of 266,000 gallons.

**(kk)** One (1) Generac diesel fired emergency power generator with a maximum rating of 805 horsepower.

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

**D.1.1 Particulate Matter (PM) [326 IAC 6-2-4]**

Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating: Emission Limitations for Facilities Specified in 326 IAC 6-2-1 (c)), particulate emissions from the 10.461, 4.185 and 10.50 MMBtu per hour heat input boiler ~~boilers~~ **and the 33.0 MMBtu per hour heat input water heater** shall be limited to 0.592, 0.542, ~~and 0.471~~ **and 0.379** pounds per MMBtu heat input, respectively.

The ~~limit was~~ **limits were** calculated using the following equation:

$$Pt = 1.09/Q^{0.26}$$

Where Pt = Pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input; and  
Q = Total source maximum heat input capacity in MMBtu/hr

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

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The 10.461 and 10.50 MMBtu per hour boilers **and the 33.0 MMBtu per hour heat input water heater** are subject to 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units). Pursuant to 40 CFR 60.48c(g), the Permittee shall keep records of the amounts of each fuel combusted during each day.

D.1.5 Natural Gas

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In order to demonstrate compliance with D.1.1 and D.1.2, the source shall burn only natural gas **in the 10.461, 4.185 and 10.50 MMBtu per hour heat input boilers and the 33.0 MMBtu per hour heat input water heater.**

D.1.6 Record Keeping Requirements

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- (a) To document compliance with Condition D.1.2, the Permittee shall record and maintain records for a period of two years of the amounts of natural gas combusted during each day in the ~~two (2) boilers~~ **10.461 and 10.50 MMBtu per hour boilers and the 33.0 MMBtu per hour heat input water heater.**
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

<b>Conclusion and Recommendation</b>
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This revision shall be subject to the conditions of the attached Notice-Only Change No. 103-25149-00035. The staff recommend to the Commissioner that this Notice-Only Change be approved.

**Appendix A: Emission Calculations****Company Name:** Armour-Eckrich Meats, LLC**Address City IN Zip:** 3311 SR 19 South, Peru IN 46970**MSOP Notice-Only Change:** 103-25149-00035**Reviewer:** Pam K. Way**Date:** 9/7/2007

Emission Unit:	Original MMBtu/hr	Revised MMBtu/hr	Net Change MMBtu/hr
<b>Plant 1 Building</b>			
Boiler 2064	10.461	10.461	0.000
Hurst Boiler	10.500	10.500	0.000
Office Furnace	0.060	0.060	0.000
Office Furnace	0.060	0.060	0.000
Office Furnace	0.115	0.115	0.000
Office Furnace		0.115	0.115
Office Furnace		0.120	0.120
Office Furnace		0.144	0.144
Space Heater	0.075	0.075	0.000
Space Heater	0.080	0.075	-0.005
Space Heater	0.100	0.100	0.000
Space Heater	0.100	0.100	0.000
Space Heater	0.100	0.175	0.075
Space Heater	0.126	0.175	0.049
Space Heater	0.132	0.175	0.043
Space Heater	0.132	0.175	0.043
Accuair Unit	2.820	2.430	-0.390
Accuair Unit	2.820	3.240	0.420
Accuair Unit		3.470	3.470
Accuair Unit		4.050	4.050
Accuair Unit		4.860	4.860
Air Makeup Unit		1.637	1.637
Air Makeup Unit		1.143	1.143
Air Makeup Unit		0.151	0.151
Air Makeup Unit		1.324	1.324
Microwave Oven Preheater	0.800	0.800	0.000
Microwave Oven Preheater	0.800	0.800	0.000
Microwave Oven Preheater	0.800	0.800	0.000
Hot Water Heater *	18.000	33.000	15.000
<b>Plant 3 Building:</b>			
Boiler 251866	4.185	4.185	0.000
Area Furnace		0.066	0.066
Area Furnace	0.120	0.120	0.000
Area Furnace	0.800	0.800	0.000
Area Furnace		0.110	0.110
Area Furnace	0.175	0.120	-0.055
Water Heater	2.300	4.560	2.260
Water Heater	2.300		-2.300
Water Heater	2.300		-2.300
Accuair Unit	3.460	3.460	0.000
Air Makeup Unit		1.200	1.200
Space Heater		0.100	0.100
<b>Wastewater Building</b>			
Pallet Shop Heater	0.250	0.250	0.000
Space Heater	0.165	0.165	0.000
Water Heater	0.200	0.200	0.000

Emission Unit:	Original MMBtu/hr	Revised MMBtu/hr	Net Change MMBtu/hr
<b>Dry Goods Warehouse</b>			
Shop Furnace	0.300	0.300	0.000
<b>Pork Belly Processing</b>			
Smokehouse Furnace	3.500	1.650	-1.850
Smokehouse Furnace		1.650	1.650
Smokehouse Furnace	3.500	1.650	-1.850
Smokehouse Furnace		1.650	1.650
Smokehouse Furnace	3.500	1.650	-1.850
Smokehouse Furnace		1.650	1.650
Smokehouse Furnace	3.500	1.650	-1.850
Smokehouse Furnace		1.650	1.650
Smokehouse Furnace	3.500	1.650	-1.850
Smokehouse Furnace		1.650	1.650
Smokehouse Furnace	3.500	1.650	-1.850
Smokehouse Furnace		1.650	1.650
Smokehouse Furnace	3.500	1.650	-1.850
Smokehouse Furnace		1.650	1.650
Smokehouse Furnace	3.500	1.650	-1.850
Smokehouse Furnace		1.650	1.650
Accuair Unit	4.590	0.194	-4.396
Accuair Unit	4.590	1.730	-2.860
Accuair Unit	4.590	2.430	-2.160
Accuair Unit	4.590	4.050	-0.540
Accuair Unit	4.590	6.500	1.910
Accuair Unit	4.590		-4.590
Air Makeup Unit	0.300	0.096	-0.204
Air Makeup Unit	1.500		-1.500
Air Makeup Unit	1.500		-1.500
Area Furnace		0.120	0.120
Area Furnace		0.350	0.350
Space Heater		0.060	0.060
Space Heater		0.060	0.060
Space Heater		0.060	0.060
Space Heater		0.250	0.250
Space Heater		0.250	0.250
Space Heater		0.250	0.250
Space Heater		0.250	0.250
Space Heater		0.750	0.750
<b>Building 7</b>			
Space Heater		0.250	0.250
Area Furnace		0.080	0.080
Totals:	123.476	140.096	16.620

\* The hot water heater in the Plant 1 Building was originally listed in the Pork Belly Processing section of the permit.

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

**Company Name:** Armour-Eckrich Meats, LLC  
**Address City IN Zip:** 3311 SR 19 South, Peru IN 46970  
**MSOP Notice-Only Change:** 103-25149-00035  
**Reviewer:** Pam K. Way  
**Date:** 9/7/2007

Heat Input Capacity                      Potential Throughput  
MMBtu/hr                                      MMCF/yr

123.476

1081.64976

	Pollutant					
	PM*	PM <sub>10</sub> *	SO <sub>2</sub>	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	1.03	4.11	0.32	54.08	2.97	45.43

\*PM emission factor is filterable PM only. PM<sub>10</sub> emission factor is condensable and filterable PM<sub>10</sub> combined.

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

**HAPs - Organics**

	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	0.0021	0.0012	0.075	1.8	0.0034
Potential Emission in tons/yr	0.001	0.001	0.041	0.973	0.002

**HAPs - Metals**

	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	0.0005	0.0011	0.0014	0.00038	0.0021
Potential Emission in tons/yr	0.000	0.001	0.001	0.000	0.001

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu  
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98).

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

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

**Company Name:** Armour-Eckrich Meats, LLC  
**Address City IN Zip:** 3311 SR 19 South, Peru IN 46970  
**MSOP Notice-Only Change:** 103-25149-00035  
**Reviewer:** Pam K. Way  
**Date:** 9/7/2007

Heat Input Capacity                      Potential Throughput  
MMBtu/hr                                      MMCF/yr

140.096

1227.24096

	Pollutant					
	PM*	PM <sub>10</sub> *	SO <sub>2</sub>	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	1.17	4.66	0.37	61.36	3.37	51.54

\*PM emission factor is filterable PM only. PM<sub>10</sub> emission factor is condensable and filterable PM<sub>10</sub> combined.

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

**HAPs - Organics**

	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	0.0021	0.0012	0.075	1.8	0.0034
Potential Emission in tons/yr	0.001	0.001	0.046	1.105	0.002

**HAPs - Metals**

	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	0.0005	0.0011	0.0014	0.00038	0.0021
Potential Emission in tons/yr	0.000	0.001	0.001	0.000	0.001

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu  
 Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02,  
 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98).

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

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

**Company Name:** Armour-Eckrich Meats, LLC  
**Address City IN Zip:** 3311 SR 19 South, Peru IN 46970  
**MSOP Notice-Only Change:** 103-25149-00035  
**Reviewer:** Pam K. Way  
**Date:** 9/7/2007

Heat Input Capacity                      Potential Throughput  
MMBtu/hr                                      MMCF/yr

16.62

145.5912

	Pollutant					
	PM*	PM <sub>10</sub> *	SO <sub>2</sub>	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.14	0.55	0.04	7.28	0.40	6.11

\*PM emission factor is filterable PM only. PM<sub>10</sub> emission factor is condensable and filterable PM<sub>10</sub> combined.

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

**HAPs - Organics**

	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	0.0021	0.0012	0.075	1.8	0.0034
Potential Emission in tons/yr	0.000	0.000	0.005	0.131	0.000

**HAPs - Metals**

	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	0.0005	0.0011	0.0014	0.00038	0.0021
Potential Emission in tons/yr	0.000	0.000	0.000	0.000	0.000

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu  
 Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02,  
 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98).

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

**Appendix A: Emissions Calculations  
Internal Combustion: Diesel Fuel  
Greater Than 600 Horsepower**

**Company Name:** Armour-Eckrich Meats, LLC  
**Address City IN Zip:** 3311 SR 19 South, Peru IN 46970  
**MSOP Notice-Only Change:** 103-25149-00035  
**Reviewer:** Pam K. Way  
**Date:** 9/7/2007

Power Rating:            600 kilowatts =                    2.0478 MMBtu/hr =            804.6 HP

500 hr/yr			
Pollutant	Emission Factor (lb/MMBtu)	Emission (lb/hr)	Emission (ton/yr)
PM	0.1	0.2	0.05
PM <sub>10</sub>	0.05	0.1	0.03
SO <sub>2</sub>	0.505	1.0	0.26
NO <sub>x</sub>	3.2	6.6	1.64
VOC	0.09	0.2	0.05
CO	0.85	1.7	0.44

500 hr/yr			
HAP	Emission Factor (lb/MMBtu)	Emission (lb/hr)	Emission (ton/yr)
Propylene	0.00279	0.0057	0.001
Formaldehyde	0.0000789	0.0002	0.000
Benzene	0.000776	0.0016	0.000
Toluene	0.000281	0.0006	0.000
Xylenes	0.000193	0.0004	0.000
Naphthalene	0.00013	0.0003	0.000
Acrolein	0.00000788	0.0000	0.000
1,3 Butadiene	0.0000000	0.0000	0.000
Total HAP			0.002

**Conversion Factors**

1 kilowatt = 3413 Btu/hr = 1.341 HP  
 1 MMBtu = 1,000,000 Btu

**Methodology**

$$\frac{\text{lb}^*}{\text{MMBtu}} \times \frac{\text{MMBtu}}{\text{hr}} = \frac{\text{lb}}{\text{hr}}$$

$$\frac{\text{lb}^*}{\text{hr}} \times \frac{\text{hr}}{\text{yr}} = \frac{\text{ton}}{\text{yr}}$$

## Appendix A: Emission Calculations

**Company Name:** Armour-Eckrich Meats, LLC  
**Address City IN Zip:** 3311 SR 19 South, Peru IN 46970  
**MSOP Notice-Only Change:** 103-25149-00035  
**Reviewer:** Pam K. Way  
**Date:** 9/7/2007

### *Potential to Emit*

The following table summarizes the increase in potential to emit from this revision:

PM	0.19 ton/yr
PM <sub>10</sub>	0.58 ton/yr
SO <sub>2</sub>	0.30 ton/yr
NO <sub>x</sub>	8.92 ton/yr
VOC	0.45 ton/yr
CO	6.55 ton/yr

### *Emission Limits Under 326 IAC 6-2-4*

The following calculations determine the emission limit under 326 IAC 6-2-4 for the 2064 boiler, installed in 1992:

$$1.09 / 10.461^{0.26} = 0.592021482 \text{ lb/MMBtu}$$

The following calculations determine the emission limit under 326 IAC 6-2-4 for the 251866 boiler, installed in 1996:

$$1.09 / 14.646^{0.26} = 0.542424816 \text{ lb/MMBtu}$$

The following calculations determine the emission limit under 326 IAC 6-2-4 for the Hurst boiler, installed in 1998:

$$1.09 / 25.146^{0.26} = 0.47130775 \text{ lb/MMBtu}$$

The following calculations determine the emission limit under 326 IAC 6-2-4 for the hot water heater, installed in 2004:

$$1.09 / 58.146^{0.26} = 0.379010584 \text{ lb/MMBtu}$$