

DRAFT/PROPOSED CAAPP PERMIT
11/12/20

Attention:

Tyson Fresh Meats, Inc.
Attn: David Webb, Complex Environmental Manager
28424 38th Avenue North
Hillsdale, Illinois 61257

State of Illinois

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Source:

Tyson Fresh Meats, Inc.
28424 38th Avenue North
Hillsdale, Illinois 61257

I.D. No.: 161817AAA
Permit No.: 01040050

Permitting Authority:

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
217/785-1705



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Type of Application: Renewal
Purpose of Application: Renew Existing CAAPP Permit for 5 Years

ID No.: 161817AAA
Permit No.: 01040050
Statement of Basis No.: 01040050-2011

Date Application Received: March 6, 2020
Date Issued: TBD

Expiration Date: TBD
Renewal Submittal Date: 9 Months Prior to TBD

Source Name: Tyson Fresh Meats, Inc.
Address: 28424 38th Avenue North
City: Hillside
County: Rock Island
ZIP Code: 61257

This permit is hereby granted to the above-designated source authorizing operation in accordance with this CAAPP permit, pursuant to the above referenced application. This source is subject to the conditions contained herein. For further information on the source see Section 1 and for further discussion on the effectiveness of this permit see Condition 2.3(g).

If you have any questions concerning this permit, please contact Ryan Hendrickson at 217/785-1705.

Raymond E. Pilapil
Manager, Permit Section
Bureau of Air

REP:MTR:RTH:tan

cc: IEPA, Permit Section
IEPA, FOS, Region 2
Lotus Notes Database

2125 S. First Street, Champaign, IL 61820 (217) 278-5800
2009 Mall Street Collinsville, IL 62234 (618) 346-5120
9511 Harrison Street, Des Plaines, IL 60016 (847) 294-4000
595 S. State Street, Elgin, IL 60123 (847) 608-3131

2309 W. Main Street, Suite 116, Marion, IL 62959 (618) 993-7200
412 SW Washington Street, Suite D, Peoria, IL 61602 (309) 671-3022
4302 N. Main Street, Rockford, IL 61103 (815) 987-7760

<u>Section</u>	<u>Table of Contents</u>	<u>Page</u>
1	Source Information	3
	1.1 Addresses	
	1.2 Contacts	
	1.3 Single Source	
2	General Permit Requirements	4
	2.1 Prohibitions	
	2.2 Emergency Provisions	
	2.3 General Provisions	
	2.4 Testing	
	2.5 Recordkeeping	
	2.6 Certification	
	2.7 Permit Shield	
	2.8 Title I Conditions	
	2.9 Reopening and Revising Permit	
	2.10 Emissions Trading Programs	
	2.11 Permit Renewal	
	2.12 Permanent Shutdown	
	2.13 Start-Up, Shutdown, and Malfunction	
3	Source Requirements	12
	3.1 Applicable Requirements	
	3.2 Applicable Plans and Programs	
	3.3 Title I Requirements	
	3.4 Synthetic Minor Limits	
	3.5 Reporting Requirements	
4	Emission Unit Requirements	16
	4.1 Fuel Combustion Emission Units (Boilers and Heaters)	
	4.2 Kill Floor Processes	
	4.3 Blood Drying and Rendering	
	4.4 Edible Rendering	
	4.5 Inedible Rendering	
	4.6 Storage Silos	
	4.7 Truck and Rail Loading	
	4.8 Hide Splitter (Tannery)	
	4.9 Wastewater Treatment Plant	
5	Additional Title I Requirements	59
6	Insignificant Activities Requirements	60
	6.1 Insignificant Activities Subject to Specific Regulations	
	6.2 Insignificant Activities in 35 IAC 201.210(a)	
	6.3 Insignificant Activities in 35 IAC 201.210(b)	
	6.4 Applicable Requirements	
	6.5 Compliance Method	
	6.6 Notification Requirements for Insignificant Activities	
7	Other Requirements	66
	7.1 Testing	
	7.2 PM Process Weight Rate Requirements	
	7.3 40 CFR 63 Subpart A Requirements (NESHAP)	
8	State Only Requirements	76
	8.1 Permitted Emissions for Purposes of Fees	
Attachment 1	List of Emission Units at This Source	77
Attachment 2	Acronyms and Abbreviations	79
Attachment 3	Contact and Reporting Addresses	81
Attachment 4	Example Certification by a Responsible Official	82

Section 1 - Source Information

1. Addresses

Source

Tyson Fresh Meats, Inc.
28424 38th Avenue North
Hillsdale, Illinois 61257

Owner

Tyson Fresh Meats, Inc.
800 Stevens Port Drive
Dakota Dunes, South Dakota 57049-8710

Operator

Tyson Fresh Meats, Inc.
28424 38th Avenue North
Hillsdale, Illinois 61257

Permittee

The Owner or Operator of the source as identified in this table.

2. Contacts

Certified Officials

The source shall submit an Administrative Permit Amendment for any change in the Certified Officials, pursuant to Section 39.5(13) of the Act.

	<i>Name</i>	<i>Title</i>
<i>Responsible Official</i>	Barbara Salter	Complex Manager
<i>Delegated Authority</i>	Walter Nodine	Plant Manager III

Other Contacts

	<i>Name</i>	<i>Phone No.</i>	<i>Email</i>
<i>Source Contact</i>	David A. Webb	309-658-3392	david.webb2@tyson.com
<i>Technical Contact</i>	David A. Webb	309-658-3392	david.webb2@tyson.com
<i>Correspondence</i>	David A. Webb	309-658-3392	david.webb2@tyson.com
<i>Billing</i>	Adam Konopasek	605-235-4801	adam.konopasek@tyson.com

3. Single Source

The source identified in Condition 1.1 above shall be defined to include all the following additional source(s):

<i>I.D. No.</i>	<i>Permit No.</i>	<i>Single Source Name and Address</i>
N/A	N/A	N/A

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

Section 2 - General Permit Requirements

1. Prohibitions

- a. It shall be unlawful for any person to violate any terms or conditions of this permit issued under Section 39.5 of the Act, to operate the CAAPP source except in compliance with this permit issued by the IEPA under Section 39.5 of the Act or to violate any other applicable requirements. All terms and conditions of this permit issued under Section 39.5 of the Act are enforceable by USEPA and citizens under the Clean Air Act, except those, if any, that are specifically designated as not being federally enforceable in this permit pursuant to Section 39.5(7)(m) of the Act. [Section 39.5(6)(a) of the Act]
- b. After the applicable CAAPP permit or renewal application submittal date, as specified in Section 39.5(5) of the Act, the source shall not operate this CAAPP source without a CAAPP permit unless the complete CAAPP permit or renewal application for such source has been timely submitted to the IEPA. [Section 39.5(6)(b) of the Act]
- c. No Owner or Operator of the CAAPP source shall cause or threaten or allow the continued operation of an emission source during malfunction or breakdown of the emission source or related air pollution control equipment if such operation would cause a violation of the standards or limitations applicable to the source, unless this CAAPP permit granted to the source provides for such operation consistent with the Act and applicable Illinois Pollution Control Board regulations. [Section 39.5(6)(c) of the Act]
- d. Pursuant to Section 39.5(7)(g) of the Act, emissions from the source are not allowed to exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder, consistent with Section 39.5(17) of the Act and applicable requirements, if any.

2. Emergency Provisions

Pursuant to Section 39.5(7)(k) of the Act, the Owner or Operator of the CAAPP source may provide an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations under this CAAPP permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:

- a.
 - i. An emergency occurred and the source can identify the cause(s) of the emergency.
 - ii. The source was at the time being properly operated.
 - iii. The source submitted notice of the emergency to the IEPA within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
 - iv. During the period of the emergency the source took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or requirements in this permit.
- b. For purposes of Section 39.5(7)(k) of the Act, "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, such as an act of God, that requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operation error.
- c. In any enforcement proceeding, the source seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or

Tyson Fresh Meats, Inc.
 I.D. No.: 161817AAA
 Permit No.: 01040050

Date Received: 03/06/2020
 Date Issued: TBD

upset provision contained in any applicable requirement. This provision does not relieve the source of any reporting obligations under existing federal or state laws or regulations.

3. General Provisions

a. Duty to Comply

The source must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [Section 39.5(7) (o) (i) of the Act]

b. Need to Halt or Reduce Activity is not a Defense

It shall not be a defense for the source 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. [Section 39.5(7) (o) (ii) of the Act]

c. Duty to Maintain Equipment

The source shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements. [Section 39.5(7) (a) of the Act]

d. Disposal Operations

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated there under. [Section 39.5(7) (a) of the Act]

e. Duty to Pay Fees

- i. The source must pay fees to the IEPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto. [Section 39.5(7) (o) (vi) of the Act]
- ii. The IEPA shall assess annual fees based on the allowable emissions of all regulated air pollutants, except for those regulated air pollutants excluded in Section 39.5(18) (f) of the Act and insignificant activities in Section 6, at the source during the term of this permit. The amount of such fee shall be based on the information supplied by the applicant in its complete CAAPP permit application. [Section 39.5(18) (a) (ii) (A) of the Act]
- iii. Fee payment shall be made either electronically at <https://magic.collectorsolutions.com/magic-ui/Login/illinois-epa> or by check or money order payable to "Illinois Environmental Protection Agency" and sent to: Fiscal Services #2, Illinois EPA, P.O. Box 19276, Springfield, IL, 62794-9276. Include on the check: ID #, Permit #, and "CAAPP Operating Permit Fees". [Section 39.5(18) (e) of the Act]

f. Obligation to Allow IEPA Surveillance

Pursuant to Sections 4(a), 39.5(7) (a), and 39.5(7) (p) (ii) of the Act, inspection and entry requirements that necessitate that, upon presentation of credentials and other documents as may be required by law and in accordance with constitutional limitations, the source shall allow the IEPA, or an authorized representative to perform the following:

- i. Enter upon the source's premises where the emission unit(s) are located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
- iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
- iv. Sample or monitor any substances or parameters at any location at reasonable times:
 - A. As authorized by the Clean Air Act or the Act, at reasonable times, for the purposes of assuring compliance with this CAAPP permit or applicable requirements; or
 - B. As otherwise authorized by the Act.
- v. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

g. Effect of Permit

- i. Pursuant to Section 39.5(7)(j)(iv) of the Act, nothing in this CAAPP permit shall alter or affect the following:
 - A. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section.
 - B. The liability of the Owner or Operator of the source for any violation of applicable requirements prior to or at the time of permit issuance.
 - C. The applicable requirements of the acid rain program consistent with Section 408(a) of the Clean Air Act.
 - D. The ability of USEPA to obtain information from the source pursuant to Section 114 (inspections, monitoring, and entry) of the Clean Air Act.
- ii. Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, pursuant to Sections 39.5(7)(j) and (p) of the Act, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements. [35 IAC 201.122 and Section 39.5(7)(a) of the Act]

h. Severability Clause

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, other portions of this permit may continue to be in effect. Should any portion of this permit be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected and the rights and obligations of the source shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force. [Section 39.5(7)(i) of the Act]

4. Testing

- a. Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods if applicable test methods are not specified by the

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

applicable regulations or otherwise identified in the conditions of this permit. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of any tests conducted as required by this permit or as the result of a request by the IEPA shall be submitted as specified in Condition 7.1 of this permit. [35 IAC Part 201 Subpart J and Section 39.5(7) (a) of the Act]

- b. Pursuant to Section 4(b) of the Act and 35 IAC 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:
 - i. Testing by Owner or Operator: The IEPA may require the Owner or Operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the IEPA, at such reasonable times as may be specified by the IEPA and at the expense of the Owner or Operator of the emission source or air pollution control equipment. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The IEPA shall have the right to observe all aspects of such tests.
 - ii. Testing by the IEPA: The IEPA shall have the right to conduct such tests at any time at its own expense. Upon request of the IEPA, the Owner or Operator of the emission source or air pollution control equipment shall provide, without charge to the IEPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.

5. Recordkeeping

a. Control Equipment Maintenance Records

Pursuant to Section 39.5(7) (b) of the Act, a maintenance record shall be kept on the premises for each item of air pollution control equipment. At a minimum, this record shall show the dates maintenance was performed and the nature of preventative maintenance activities.

b. Retention of Records

- i. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [Section 39.5(7) (e) (ii) of the Act]
- ii. Pursuant to Section 39.5(7) (a) of the Act, other records required by this permit including any logs, plans, procedures, or instructions required to be kept by this permit shall be retained for a period of at least 5 years from the date of entry unless a different period is specified by a particular permit provision.

c. Availability of Records

- i. Pursuant to Section 39.5(7) (a) of the Act, the Permittee shall retrieve and provide paper copies, or as electronic media, any records retained in an electronic format (e.g., computer) in response to an IEPA or USEPA request during the course of a source inspection.
- ii. Pursuant to Section 39.5(7) (a) of the Act, upon written request by the IEPA for copies of records or reports required to be kept by this permit, the Permittee

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

shall promptly submit a copy of such material to the IEPA. For this purpose, material shall be submitted to the IEPA within 30 days unless additional time is provided by the IEPA or the Permittee believes that the volume and nature of requested material would make this overly burdensome, in which case, the Permittee shall respond within 30 days with the explanation and a schedule for submittal of the requested material. (See also Condition 2.9(d))

6. Certification

a. Compliance Certification

- i. Pursuant to Section 39.5(7) (p) (v) (C) of the Act, the source shall submit annual compliance certifications by May 1 unless a different date is specified by an applicable requirement or by a particular permit condition. The annual compliance certifications shall include the following:
 - A. The identification of each term or condition of this permit that is the basis of the certification.
 - B. The compliance status.
 - C. Whether compliance was continuous or intermittent.
 - D. The method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.
- ii. Pursuant to Section 39.5(7) (p) (v) (D) of the Act, all compliance certifications shall be submitted to the IEPA Compliance Section. Address is included in Attachment 3.
- iii. Pursuant to Section 39.5(7) (p) (i) of the Act, all compliance reports required to be submitted shall include a certification in accordance with Condition 2.6(b).

b. Certification by a Responsible Official

Any document (including reports) required to be submitted by this permit shall contain a certification by the responsible official of the source that meets the requirements of Section 39.5(5) of the Act and applicable regulations. [Section 39.5(7) (p) (i) of the Act]. An example Certification by a Responsible Official is included in Attachment 4 of this permit.

7. Permit Shield

- a. Pursuant to Section 39.5(7) (j) of the Act, except as provided in Condition 2.7(b) below, the source has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the IEPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit. This permit shield does not extend to applicable requirements which are promulgated after TBD (date USEPA notice started), unless this permit has been modified to reflect such new requirements.
- b. Pursuant to Section 39.5(7) (j) of the Act, this permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.

- c. Pursuant to Section 39.5(7)(a) of the Act, the issuance of this permit by the IEPA does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the IEPA or the USEPA may have against the applicant including, but not limited to, any enforcement action authorized pursuant to the provision of applicable federal and state law.

8. Title I Conditions

Pursuant to Sections 39(a), 39(f), and 39.5(7)(a) of the Act, as generally identified below, this CAAPP permit may contain certain conditions that relate to requirements arising from the construction or modification of emission units at this source. These requirements derive from permitting programs authorized under Title I of the Clean Air Act (CAA) and regulations thereunder, and Title X of the Illinois Environmental Protection Act (Act) and regulations implementing the same. Such requirements, including the New Source Review programs for both major (i.e., PSD and nonattainment areas) and minor sources, are implemented by the IEPA.

- a. This permit may contain conditions that reflect requirements originally established in construction permits previously issued for this source. These conditions include requirements from preconstruction permits issued pursuant to regulations approved or promulgated by USEPA under Title I of the CAA, as well as requirements contained within construction permits issued pursuant to state law authority under Title X of the Act. Accordingly, all such conditions are incorporated into this CAAPP permit by virtue of being either an "applicable Clean Air Act requirement" or an "applicable requirement" in accordance with Section 39.5 of the Act. These conditions are identifiable herein by a designation to their origin of authority.
- b. This permit may contain conditions that reflect necessary revisions to requirements established for this source in preconstruction permits previously issued under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIR".
 - i. Revisions to original Title I permit conditions are incorporated into this permit through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
 - ii. Revised Title I permit conditions shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.
- c. This permit may contain conditions that reflect new requirements for this source that would ordinarily derive from a preconstruction permit established under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIN".
 - i. The incorporation of new Title I requirements into this CAAPP permit is authorized through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
 - ii. Any Title I conditions that are newly incorporated shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.

9. Reopening and Revising Permit

a. Permit Actions

This permit may be modified, revoked, reopened and reissued, or terminated for cause in accordance with applicable provisions of Section 39.5 of the Act. The filing of a request by the source for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [Section 39.5(7) (o) (iii) of the Act]

b. Reopening and Revision

Pursuant to Section 39.5(15) (a) of the Act, this permit must be reopened and revised if any of the following occur:

- i. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;
- ii. Additional requirements become applicable to the source for acid deposition under the acid rain program;
- iii. The IEPA or USEPA determines that this permit contains a material mistake or that an inaccurate statement was made in establishing the emission standards or limitations, or other terms or conditions of this permit; or
- iv. The IEPA or USEPA determines that this permit must be revised or revoked to ensure compliance with the applicable requirements.

c. Inaccurate Application

Pursuant to Sections 39.5(5) (e) and (i) of the Act, the IEPA has issued this permit based upon the information submitted by the source in the permit application referenced on page 1 of this permit. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation or reopening of this CAAPP under Section 39.5(15) of the Act.

d. Duty to Provide Information

The source shall furnish to the IEPA, within a reasonable time specified by the IEPA any information that the IEPA 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. Upon request, the source shall also furnish to the IEPA copies of records required to be kept by this permit. [Section 39.5(7) (o) (v) of the Act]

10. Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement. [Section 39.5(7) (o) (vii) of the Act]

11. Permit Renewal

- a. Upon the expiration of this permit, if the source is operated, it shall be deemed to be operating without a permit unless a timely and complete CAAPP application has been submitted for renewal of this permit. However, if a timely and complete application to renew this CAAPP permit has been submitted, the terms and all conditions of the most recent issued CAAPP permit will remain in effect until the issuance of a renewal permit. [Sections 39.5(5) (1) and (o) of the Act]

- b. For purposes of permit renewal, a timely application is one that is submitted no less than 9 months prior to the date of permit expiration. [Section 39.5(5)(n) of the Act]

12. Permanent Shutdown

Pursuant to Section 39.5(7)(a) of the Act, this permit only covers emission units and control equipment while physically present at the source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

13. Start-Up, Shutdown, and Malfunction

Pursuant to Section 39.5(7)(a) of the Act, in the event of an action to enforce the terms or conditions of this permit, this permit does not prohibit a Permittee from invoking any affirmative defense that is provided by the applicable law or rule.

Section 3 - Source Requirements

1. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

a. Fugitive Particulate Matter

- i. Pursuant to 35 IAC 212.301 and 35 IAC 212.314, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source unless the wind speed is greater than 25 mph.
- ii. Compliance Method (Fugitive Particulate Matter)

Upon request by the IEPA, the Permittee shall conduct observations at the property line of the source for visible emissions of fugitive particulate matter from the source to address compliance with 35 IAC 212.301. For this purpose, daily observations shall be conducted for a week for particular area(s) of concern at the source, as specified in the request, observations shall begin either within one day or three days of receipt of a written request from the IEPA, depending, respectively, upon whether observations will be conducted by employees of the Permittee or a third-party observer hired by the Permittee to conduct observations on its behalf. The Permittee shall keep records for these observations, including identity of the observer, the date and time of observations, the location(s) from which observations were made, and duration of any fugitive emissions event(s).

b. Ozone Depleting Substances

Pursuant to 40 CFR 82.150(b), the Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- i. Pursuant to 40 CFR 82.156, persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices.
- ii. Pursuant to 40 CFR 82.158, equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment.
- iii. Pursuant to 40 CFR 82.161, persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program.
- iv. Pursuant to 40 CFR 82 Subpart B, any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner shall comply with 40 CFR 82 Subpart B, Servicing of Motor Vehicle Air Conditioners.
- v. Pursuant to 40 CFR 82.166, all persons shall comply with the reporting and recordkeeping requirements of 40 CFR 82.166.

c. Asbestos Demolition and Renovation

- i. Asbestos Fees. Pursuant to Section 9.13(a) of the Act, for any site for which the Owner or Operator must file an original 10-day notice of intent to renovate or

demolish pursuant to Condition 3.1(c)(ii) below and 40 CFR 61.145(b), the owner or operator shall pay to the IEPA with the filing of each 10-day notice a fee of \$150.

- ii. Pursuant to 40 CFR 61 Subpart M, Standard of Asbestos, prior to any demolition or renovation at this facility, the Permittee shall fulfill notification requirements of 40 CFR 61.145(b).
- iii. Pursuant to 40 CFR 61.145(c), during demolition or renovation, the Permittee shall comply with the procedures for asbestos emission control established by 40 CFR 61.145(c).

d. Future Emission Standards

Pursuant to Section 39.5(15)(a) of the Act, this source shall comply with any new or revised applicable future standards of 40 CFR 60, 61, 62, or 63; or 35 IAC Subtitle B after the date issued of this permit. The Permittee shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by Condition 2.6(a). This permit may also have to be revised or reopened to address such new regulations in accordance with Condition 2.9.

2. Applicable Plans and Programs

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

a. Fugitive PM Operating Program

Should this source become subject to 35 IAC 212.302, the Permittee shall prepare and operate under a Fugitive PM Operating Program consistent with 35 IAC 212.310 and submitted to the IEPA for its review. The Fugitive PM Operating Program shall be designed to significantly reduce fugitive particulate matter emissions, pursuant to 35 IAC 212.309(a). Any future Fugitive PM Operating Program made by the Permittee during the permit term is automatically incorporated by reference provided the Fugitive PM Operating Program is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the Fugitive PM Operating Program. In the event that the IEPA notifies the Permittee of a deficiency with any Fugitive PM Operating Program, the Permittee shall be required to revise and resubmit the Fugitive PM Operating Program within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.

b. PM₁₀ Contingency Measure Plan

Should this source become subject to 35 IAC 212.700, then the Permittee shall prepare and operate under a PM₁₀ Contingency Measure Plan reflecting the PM₁₀ emission reductions as set forth in 35 IAC 212.701 and 212.703. The Permittee shall, within 90 days after the date this source becomes subject to 35 IAC 212.700, submit a request to modify this CAAPP permit in order to include a new, appropriate PM₁₀ Contingency Measure Plan.

c. Episode Action Plan

- i. Pursuant to 35 IAC 244.141, the Permittee shall have on file with the IEPA an Episode Action Plan for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures. The Episode Action Plan shall contain the information specified in 35 IAC 244.144.
- ii. The Permittee shall immediately implement the appropriate steps described in the Episode Action Plan should an air pollution alert or emergency be declared, as

required by 35 IAC 244.169, or as may otherwise be required under 35 IAC 244, Appendix D.

- iii. Pursuant to 35 IAC 244.143(d), if an operational change occurs at the source which invalidates the Episode Action Plan, a revised Episode Action Plan shall be submitted to the IEPA for review within 30 days of the change and is automatically incorporated by reference provided the revision is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the revision. In the event that the IEPA notifies the Permittee of a deficiency with any revision to the Episode Action Plan, the Permittee shall be required to revise and resubmit the Episode Action Plan within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.
- iv. The Episode Action Plan, as submitted by the Permittee on December 15, 2015, is incorporated herein by reference. The document constitutes the formal Episode Action Plan required by 35 IAC 244.142, addressing the actions that will be implemented to reduce SO₂, PM₁₀, NO₂, CO and VOM emissions from various emissions units in the event of a yellow alert, red alert or emergency issued under 35 IAC 244.161 through 244.165.
- v. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a copy of the Episode Action Plan, any amendments or revisions to the Episode Action Plan (as required by Condition 3.2(c)), and the Permittee shall also keep a record of activities completed according to the Episode Action Plan.

d. Risk Management Plan (RMP)

Should this stationary source, as defined in 40 CFR 68.3, become subject to the federal regulations for Chemical Accident Prevention in 40 CFR Part 68, then the Permittee shall submit a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or submit a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan, as part of the annual compliance certification required by Condition 2.6(a). This condition is imposed in this permit pursuant to 40 CFR 68.215(a)(2)(i) and (ii).

3. Title I Requirements

As of the date of issuance of this permit, there are no source-wide Title I requirements that need to be included in this Condition.

4. Synthetic Minor Limits

As of the date of issuance of this permit, there are no source-wide synthetic minor limits that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows:
 - I. Requirements in Condition 3.1(a)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.
- iv. All deviation reports required in this Permit shall be identified, summarized, and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

b. Semiannual Reporting

- i. Pursuant to Section 39.5(7)(f)(i) of the Act, the Permittee shall submit a Semi-Annual Monitoring Report to the Illinois EPA, Air Compliance Section, summarizing required monitoring and identifying all instances of deviation from the permit, every six months as follows, unless more frequent reporting is required elsewhere in this Permit.

<u>Monitoring Period</u>	<u>Report Due Date</u>
January through June	September 1
July through December	March 31

- ii. The Semiannual Monitoring Report must be certified by a Responsible Official consistent with Condition 2.6(b).

Note: Required monitoring includes all applicable monitoring, testing, recordkeeping, and reporting requirements. This may include monitoring requirements not addressed within the Compliance Method Sections of this Permit.

c. Annual Emissions Reporting

Pursuant to 35 IAC Part 254, the Source shall submit an Annual Emission Report to the Air Quality Planning Section, due by May 1 of the year following the calendar year in which the emissions took place. All records and calculations upon which the verified and reported data are based must be retained by the source.

Section 4 - Emission Unit Requirements

4.1 Fuel Combustion Emission Units (Boilers and Heaters)

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Boilers #1-#3 (21 mmBtu/hr) Boiler #4 (40.4 mmBtu/hr) Hot Water Heater (26 mmBtu/hr) HVAC (2.5 mmBtu/hr) South Heater (6.0 mmBtu/hr) East Heater (4.2 mmBtu/hr) West Heater (4.2 mmBtu/hr) Heater Make-up (3.0 mmBtu/hr) Knox Box Heater(10.0 mmBtu/hr)	CO, NO _x , SO ₂ , PM, VOM (for units using distillate fuel oil (#2))	1970, 1984, 1999, 1972	N/A	None	None

2. Applicable Requirements

For the emission units in Condition 4.1.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122.

ii. Compliance Method (Opacity Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7) (b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on each boiler in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the boiler, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

- B. Pursuant to Sections 39.5(7) (b) and (e) of the Act, the Permittee shall keep records for each observation for opacity conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.
- C. Pursuant to Section 39.5(7) (b) of the Act, if required, the Permittee shall keep records for all opacity measurements made in accordance with USEPA Method 9.

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

b. i. Carbon Monoxide Requirements (CO)

- A. Pursuant to 35 IAC 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 2.9 MW (10 mmBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air.
- B. Pursuant to Construction Permit #98040054, the emissions of carbon monoxide from the hot water with low NO_x burner shall not exceed 0.94 tons/month and 9.37 tons/year. [T1]
- C. Pursuant to Construction Permit #03090023, the emissions of carbon monoxide from Boilers #1-#3, each, shall not exceed 0.63 tons/month and 7.57 tons/year. [T1]
- D. Pursuant to Construction Permit #03090023, the emissions of carbon monoxide from Boiler #4 shall not exceed 1.21 tons/month and 14.57 tons/year. [T1]

ii. Compliance Method (CO Requirements)

Recordkeeping

- A. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the above emissions from the boilers including supporting calculations in tons/month and tons/year.
- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

c. i. Sulfur Dioxide Requirements (SO₂)

- A. Pursuant to 35 IAC 214.122(b)(2)(B), the sulfur content of all distillate fuel oil used by the fuel combustion emission units must not exceed 15 ppm.
- B. Pursuant to Construction Permit #03090023, the emissions of sulfur dioxide from Boilers #1-#3, each, shall not exceed 2.18 tons/month and 26.12 tons/year. [T1]
- C. Pursuant to Construction Permit #03090023, the emissions of sulfur dioxide from Boiler #4 shall not exceed 4.19 tons/month and 50.25 tons/year. [T1]

ii. Compliance Method (SO₂ Requirements)

Recordkeeping

- A. Pursuant to 35 IAC 214.122(b)(2)(C)(i), the Permittee shall maintain records demonstrating that the fuel oil used by the fuel combustion emission units complies with the requirement in 35 IAC 214.122(b)(2)(B), such as records from the fuel supplier indicating the sulfur content of the fuel oil.
- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the above emissions from the boilers including supporting calculations tons/month and tons/year.
- C. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

d. i. **Nitrogen Oxide Requirements (NO_x)**

- A. Pursuant to Construction Permit #98040054, the emissions of nitrogen oxides from the hot water heater (low NO_x burner) shall not exceed 0.39 tons/month and 3.9 tons/year. [T1]
- B. Pursuant to Construction Permit #03090023, the emissions of nitrogen oxides from Boilers #1-#3, each, shall not exceed 1.59 tons/month and 19.10 tons/year. [T1]
- C. Pursuant to Construction Permit #03090023, the emissions of nitrogen oxides from Boiler #4 shall not exceed 3.06 tons/month and 36.43 tons/year. [T1]

ii. **Compliance Method (NO_x Requirements)**

Recordkeeping

- A. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the above emissions from the combustion units including supporting calculations in tons/month, and tons/year.
- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

e. i. **Particulate Matter Requirements (PM)**

- A. Pursuant to Construction Permit #03090023, the emissions of particulate matter from Boilers #1-#3, each, shall not exceed 1.31 tons/year. [T1]
- B. Pursuant to Construction Permit #03090023, the emissions of particulate matter from Boiler #4 shall not exceed 2.53 tons/year. [T1]

ii. **Compliance Method (PM Requirements)**

Recordkeeping

- A. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the above emissions from the boilers including supporting calculations tons/month and tons/year.
- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

f. i. **Volatile Organic Material Requirements (VOM)**

- A. Pursuant to Construction Permit #03090023, the emissions of volatile organic material from Boilers #1-#3, each, shall not exceed 0.5 tons/year. [T1]
- B. Pursuant to Construction Permit #03090023, the emissions of volatile organic material from Boiler #4 shall not exceed 0.97 tons/year. [T1]

ii. **Compliance Method (VOM Requirements)**

Recordkeeping

- A. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the above emissions from the boilers including supporting calculations tons/month and tons/year.

Section 4 - Emission Unit Requirements
4.1 - Fuel Combustion Emission Units (Boilers and Heaters)

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

g. i. Operational and Production Requirements

- A. Pursuant to Construction Permit #03090023, natural gas, LPG, biofuels, biogas and distillate oil #2 shall be the only fuel used in fuel combustion units. [T1]
- B. Pursuant to Construction Permit #98040054, natural gas consumption in the hot water heater shall not exceed 22 mmscf/month and 223 mmscf/year. [T1]
- C. Pursuant to Construction Permit #03090023, only one biofuel shall be burned at any one time in the boilers. [T1]

ii. Compliance Method (Operational and Production Requirements)

Testing

- A. Pursuant to 35 IAC 201.282 and Construction Permit #03090023, the Permittee shall conduct emissions testing upon a request by the Illinois EPA to determine emissions generated during boiler operations utilizing biogas and/or animal fats/greases. [T1]
- B. Pursuant to Construction Permit #03090023, upon request by the Illinois EPA, the Permittee shall sample and analyze the biogas and/or animal fats/greases used for combustion in the boilers for heat content, ash content, sulfur content and chlorine content. [T1]

Recordkeeping

- C. Pursuant to Construction Permit #03090023 and Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the following items: [T1]
- I. Type of fuel burned in each boiler and heater each day;
- II. Quantity of each fuel burned in each boiler and heater each month.
- D. Pursuant to Construction Permit #03090023, the Permittee shall maintain a written plan containing provisions for combustion of alternative fuels including methods used to maintain steady rates of biofuels in the boilers, such as the use of supplemental natural gas to meet sudden changes in steam demand, or maintaining one boiler in natural gas at all times to meet changes in steam demand. [T1]
- E. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

h. i. Work Practice Requirements

- A. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall maintain and operate the boiler in a manner consistent with safety and good air pollution control practice for minimizing emissions.

ii. Compliance Method (Work Practice Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform inspections of the boilers and associated auxiliary equipment when the boilers are in use.
- B. Pursuant to Sections 39.5(7)(b) and (d) of the Act, the Permittee shall comply with the following inspection and tune-up requirements for the boilers. Inspections/tune-ups shall be conducted biennially:
 - I. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the Permittee may delay the burner inspection until the next scheduled unit shutdown, but each burner shall be inspected at least once every 36 months).
 - II. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
 - III. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.
 - IV. Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.
 - V. Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).

Recordkeeping

- C. Pursuant to Construction Permit #03090023, the Permittee shall maintain a contingency plan for disposal of materials if combustion causes or contributes to odors that are identified off-site resulting in air pollution. [T1]
- D. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep records of each inspection and biennial inspection/tune-up performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.
- E. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep records onsite of biennial tune-ups containing the following information:
 - I. The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.
 - II. The type and amount of fuel used over the 12 months prior to the annual tune-up of the boiler.

3. Non-Applicability Determinations

- a. The boilers are not subject to the New Source Performance Standards (NSPS) for Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60 Subpart Db, because the boilers have a rated heat input capacity of less than 100 mmBtu/hr.
- b. The boilers are not subject to 35 IAC 217.141 because the heat input for each boiler is less than 250 mmBtu/hr.
- c. The boilers are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the boilers do not use an add-on control device to achieve compliance with an emission limitation or standard.
- d. Pursuant to 35 IAC 215.303, the fuel combustion units are not subject to 35 IAC Part 215, Subpart K: Use of Organic Material.

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
 - I. Requirements in Conditions 4.1.2(a)(i), 4.1.2(b)(i), 4.1.2(c)(i), 4.1.2(d)(i), 4.1.2(e)(i), 4.1.2(f)(i), 4.1.2(g)(i), and 4.1.2(h)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.

4.2 Kill Floor Processes

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Pre-Evisceration Acid Cabinet Carcass Acid Wash Cabinet Pasteurization Cabinet Post-Pasteurization Cabinet Head Wash Cabinet	PM (Pasteurization Cabinet only), VOM	1998	2014	None	None

2. Applicable Requirements

For the emission units in Condition 4.2.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), the Permittee shall not cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided for in 35 IAC 212.123(b).

ii. Compliance Method (Opacity Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7) (b) and (d) of the Act, at a minimum, the Permittee shall perform an observation of the facility's roof exhaust points in accordance with Method 22 for visual emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the printing line and/or maintenance and repair. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

- B. Pursuant to Sections 39.5(7) (b) and (e) of the Act, the Permittee shall keep records for each observation for visual emissions conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.321(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972,

at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.321(c) (See also Section 7.2(a)).

- B. Pursuant to 35 IAC 212.322(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced prior to April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.322(c) (See also Section 7.2(b)).
- C. Pursuant to Construction Permit #00040054, emissions of PM shall not exceed 0.36 lbs/hr and 1.58 tons/year for the Pasteurization Cabinet. [T1]

ii. Compliance Method (PM Requirements)

Recordkeeping

- A. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the monthly and annual emissions of PM (tons/month and tons/year), with supporting calculations.
- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

c. i. **Volatile Organic Material Requirements (VOM)**

- A. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of 35 IAC Subpart K shall apply only to photochemically reactive material.
- B. Pursuant to Construction Permits #99030124 and #05080055, the emissions of volatile organic material shall not exceed the following limits: [T1]

Emission Unit	VOM Emissions	
	Tons/Month	Tons/Year
Head Wash Acid Cabinet(JO-ACID-4)	2.1	20.4
Pre-Evisceration Acid Cabinet (JO-ACID-1)	3.3	32.2
Carcass Acid Wash Cabinet (JO-ACID-2)		20.4
Post-Pasteurization Acid Cabinet(JO-ACID-3)	0.6	5.9

- C. Pursuant to Construction Permit #00040054, emissions of volatile organic material shall not exceed 2.82 tons/year for the Pasteurization Cabinet. [T1]
- D. Pursuant to Construction Permit #99030124, the emissions of volatile organic material from the kill floor process shall not exceed 8.76 lbs/hr and 35.9 tons/year. [T1]

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to Section 39.5(7)(a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permit #05080055 and Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of VOM emissions from each unit (tons/month and tons/year) with supporting documentation and calculations. [T1]
- C. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the following:
 - I. The amounts (tons) of sides of raw beef pasteurized on hourly basis.
 - II. Number of sides raw beef on a monthly and annually basis.
 - III. Hours of operation for the kill floor process unit (hours/year).

d. i. Operational and Production Requirements

- A. Pursuant to Construction Permit #05080055, the concentration of the organic material in the aqueous solution in the Head Wash Acid Cabinet (JO-ACID-4) and the Post-Pasteurization Acid Cabinet (JO-ACID-3) shall not exceed 5.0 percent. [T1]
- B. Pursuant to Section 39.5(7)(a) of the Act, for the Carcass Acid Wash, the concentration of the organic material remains at 2.5 percent.
- C. Pursuant to Construction Permit #05080055, the concentration of the organic material in the aqueous solution in the Pre-Evisceration Acid Cabinet (JO-ACID-1) shall not exceed 2.0 percent. [T1]

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

- A. Pursuant to Construction Permit #05080055, the Permittee shall keep records of the following items: [T1]
 - I. Daily records of concentration of the organic acid (organic material) in each unit.
 - II. A file that contains documentation for the exhaust flow rate capacity (scfm) for the Pre-Evisceration Acid Cabinet (JO-ACID-1).

3. Non-Applicability Determinations

- a. The emission units from the Kill Floor Processes are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the emission units do not use an add-on control device to achieve compliance with an emission limitation or standard.

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement.
 - I. Requirements in Conditions 4.2.2(a)(i), 4.2.2(b)(i), 4.2.2(c)(i), and 4.2.2(d)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.

4.3 Blood Drying and Rendering

1. Emission Units and Operations

Emission Units	Pollutants Being Regulated	Original Construction Date	Modification/ Reconstruction Date	Air Pollution Control Devices or Measures	Monitoring Devices
Blood Dryer (JO-BD-2)					
Blood Rendering Air System (JO-C-1)				Venturi Scrubber (JO-CE-1)	None
Raw Blood Tank, Blood Centrifuge/Coagulator, Inedible Pressers, Flotation Skimmings Tank Flotation Melt Tank, Milling Room Air, General Room Air	PM, VOM	1999	2002	Packed Scrubber (JO-CE-2)	
				Venturi Scrubber (JO-CE-1)	None
				Packed Scrubber (JO-CE-2)	

2. Applicable Requirements

For the emission units in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), the Permittee shall not cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided for in 35 IAC 212.123(b).

ii. Compliance Method (Opacity Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7) (b) and (d) of the Act, at a minimum, the Permittee shall perform an observation of the facility's roof exhaust points in accordance with Method 22 for visual emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the printing line and/or maintenance and repair. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

- B. Pursuant to Sections 39.5(7) (b) and (e) of the Act, the Permittee shall keep records for each observation for visual emissions conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.321(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.321(c) (See also Section 7.2(a)).
- B. Pursuant to 35 IAC 212.322(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced prior to April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.322(c) (See also Section 7.2(b)).
- C. Pursuant to Construction Permits #02070088 and #03090023, the emissions of particulate matter from the Blood Drying and Rendering unit shall not exceed 2.8 lb/hr and 12.23 ton/year. [T1]

ii. Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to Section 39.5(7) (b) and (d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permits #02070088 and #03090023, the Permittee shall maintain records of the monthly and annual emissions of PM (tons/month and tons/year), with supporting calculations. [T1]

c. i. Volatile Organic Material Requirements (VOM)

- A. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of Subpart K shall apply only to photochemically reactive material.
- B. Pursuant to Construction Permits #02070088 and #03090023, the emissions of VOM shall not exceed 0.063 lb/hour and 0.23 ton/year. [T1]

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to Section 39.5(7) (a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permits #02070088 and #03090023, the Permittee shall maintain records of the monthly and annual emissions of VOM (tons/month and tons/year), with supporting calculations. [T1]

d. i. Operational and Production Requirements

- A. Pursuant to Construction Permit #02070088, the maximum production of the blood dryer shall not exceed 688 tons/month and 6,570 tons/year of finished blood meal. [T1]
- B. Pursuant to Construction Permit #02070088, the maximum firing rate of the blood dryer shall not exceed 3.5 mmBtu/hr. [T1]
- C. Pursuant to Construction Permit #02070088, the venturi scrubber and packed bed scrubber shall be in operation at all times when the blood dryer is in operation and emitting contaminants. [T1]
- D. Pursuant to Construction Permit #03090023, natural gas, propane, and various animal fats/greases, including yellow grease and tallow shall be the only fuels fired in the blood dryer. [T1]
- E. Pursuant to Construction Permit #03090023, only one biofuel shall be burned at any one time in the blood dryer. [T1]

ii. Compliance Method (Operational and Production Requirements)

Monitoring

- A. Pursuant to Construction Permit #02070088, the Permittee shall follow good operating practices for the scrubbers, including periodic inspection, routine maintenance and prompt repair of defects. [T1]
- B. Pursuant to Construction Permit #02070088, the Permittee shall monitor the following information for the Venturi scrubber and the packed bed scrubber at least twice per shift at least two hours apart: [T1]
 - I. Scrubber flow rate for each scrubber (gallon/minute); and
 - II. Pressure drop for each scrubber.
- C. Pursuant to Construction Permit #03090023, the Permittee shall maintain a written plan containing provisions for combustion of alternative fuels including: [T1]
 - I. Methods used to maintain steady rates of biofuels in the blood dryer such as the use of supplemental natural gas;
 - II. Maintain a contingency plan for disposal of materials if combustion causes or contributes to odors that are identified off-site resulting in air pollution.
- D. Pursuant to Construction Permit #03090023, in the event that the operation of the dryer causes or contributes to the emission of odor offsite resulting in air pollution, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in the fuel(s) or installation of controls, in order to prevent the emission of odors causing the nuisance. [T1]

Testing

- E. Pursuant to 35 IAC 201.282 and Construction Permit #03090023, upon request by the Illinois EPA, the Permittee shall conduct emissions testing to determine emissions generated during blood dryer operations utilizing animal fats/greases. [T1]

- F. Pursuant to Construction Permit #03090023, upon request by the Illinois EPA, the Permittee shall sample and analyze the animal fats/greases used for combustion in the blood dryer for heat content, ash content, sulfur content and chlorine content. [T1]

Recordkeeping

- G. Pursuant to Construction Permits #02070088 and #03090023, the Permittee shall maintain the following operational records: [T1]
- I. Type of scrubbant used in the scrubber system;
- II. Production rate for the blood dryer (tons/month and tons/year); and
- III. Quantity and type of fuel burned in the blood dryer each day.
- H. Pursuant to Construction Permit #02070088, the Permittee shall maintain an operating and maintenance log for the venturi scrubber and packed bed scrubber. [T1]

3. Non-Applicability Determinations

- a. The Blood Dryer and the Rendering Unit are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the Blood Dryer does not have potential pre-control device emissions of the applicable regulated air pollutant that equals or exceeds major source threshold levels.

4. Other Requirements

For the emission units in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

a. i. Title I Requirements (Construction Permits #02070088 and #03090023) [T1]

- A. Pursuant to Construction Permits #02070088 and #03090023, emissions from the packed bed scrubber, which controls the blood dryer, shall not exceed the following limits: [T1]

Pollutant	Lbs/Hour	Tons/Year
CO	0.089	0.39
NO _x	0.218	0.96
SO ₂	0.007	0.04

ii. Compliance Method (Construction Permits #02070088 and #03090023)

Monitoring

- A. Pursuant to Construction Permits #02070088 and #03090023, compliance with the annual limits shall be determined from a running total of 12 months of data. [T1]

Testing

- B. Pursuant to Construction Permit #02070088, when testing is required, the following methods and procedures shall be used for testing of emissions, unless another method is approved by the Illinois EPA: Refer to 40 CFR 60, Appendix A, for USEPA test methods. [T1]

Location of Sample Points	USEPA Method 1
Gas Flow and Velocity	USEPA Method 2
Flue Gas Weight	USEPA Method 3
Moisture	USEPA Method 4
Particulate Matter	USEPA Method 5

- C. Pursuant to Construction Permit #02070088, when testing is required, at least 30 days prior to the actual date of testing, a written test plan shall be submitted to the Illinois EPA for review. This plan shall describe the specific procedures for testing, including as a minimum: [T1]
- I. The person(s) who will be performing sampling and analysis and their experience with similar tests.
 - II. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and any control equipment will be determined.
 - III. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.
 - IV. The test method(s) which will be used, with the specific analysis method, if the method can be used with different analysis methods.
 - V. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with justification.
 - VI. The format and content of the Source Test Report.
- D. The Permittee shall comply with all the requirements of Section 7.1.

Recordkeeping

- E. Pursuant to Construction Permits #02070088 #03090023, the Permittee shall maintain records of the CO, NO_x, and SO₂, emissions (tons/month and tons/year), with supporting calculations. [T1]

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
 - I. Requirements in Conditions 4.3.2(a)(i), 4.3.2(b)(i), and 4.3.2(c)(i), and 4.3.2(d)(i).
 - II. Requirements in Condition 4.3.4(a)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).

Tyson Fresh Meats, Inc.
 I.D. No.: 161817AAA
 Permit No.: 01040050

Date Received: 03/06/2020
 Date Issued: TBD

iii. The deviation reports shall contain at a minimum the following information:

- A. Date and time of the deviation.
- B. Emission unit(s) and/or operation involved.
- C. The duration of the event.
- D. Probable cause of the deviation.
- E. Corrective actions or preventative measures taken.

b. Title I Reporting

- i. Pursuant to Construction Permit #02070088, copies of the Final Report(s) for the tests in Section 4.3.4(a)(ii) shall be submitted to the Illinois EPA within 30 days after the test results are compiled and finalized. The Final Report shall include as a minimum: [T1]
 - A. A summary of results;
 - B. General information;
 - C. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule;
 - D. Detailed description of test conditions, including:
 - I. Process information, i.e., mode(s) of operation, process rate, e.g. fuel or raw material consumption;
 - II. Control equipment information, i.e., equipment condition and operating parameters during testing, and;
 - III. A discussion of any preparatory actions taken, i.e., inspections, maintenance and repair.
 - E. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration;
 - F. An explanation of any discrepancies among individual tests or anomalous data.
- ii. Pursuant to Construction Permit #02070088, the Illinois EPA shall be notified prior to these tests to enable the Illinois EPA to observe these tests. Notification of the expected date of testing shall be submitted a minimum of thirty days prior to the expected date. Notification of the actual date and expected time of testing shall be submitted a minimum of five working days prior to the actual date of the test. The Illinois EPA may at its discretion accept notifications with shorter advance notice provided that the Illinois EPA will not accept such notifications if it interferes with the Illinois EPA's ability to observe testing. [T1]

4.4 Edible Rendering

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Duske Bone Dryer (JO-BD-1) Maximum Heat Input Capacity 30.0 mmBtu/hr	PM, VOM, CO, NO _x	After 1972 1999(Dryer)	N/A	Venturi Scrubber with Wet Cyclone Demister	None
Edible Surge Bin (JO-RE-1) Edible Rotex (JO-RE-2)	PM, VOM	After 1972 1999(Dryer)	N/A	None	None
Forsberg #1 and #2 Gravity tables (JO-RE-5/6)	PM, VOM	After 1972 1999(Dryer)	N/A	Cyclone	None
Edible Sweco Screen (JO-RE-7)	PM, VOM	After 1972 1999(Dryer)	N/A	None	None

2. Applicable Requirements

For the emission units in Condition 4.4.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), the Permittee shall not cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided for in 35 IAC 212.123(b).

ii. Compliance Method (Opacity Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7) (b) and (d) of the Act, at a minimum, the Permittee shall perform an observation of the facility's roof exhaust points in accordance with Method 22 for visual emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the printing line and/or maintenance and repair. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

- B. Pursuant to Sections 39.5(7) (b) and (e) of the Act, the Permittee shall keep records for each observation for visual emissions conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.321(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.321(c) (See also Section 7.2(a)).
- B. Pursuant to 35 IAC 212.322(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced prior to April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.322(c) (See also Section 7.2(b)).
- C. Pursuant to Construction Permit #00040054, the emissions of particulate matter from the Duske Dryer shall not exceed 2.92 lbs/hour and 12.79 tons/year. [T1]
- D. Pursuant to Construction Permit #00040054, the emissions of particulate matter from the Edible Building Handling Room Air shall not exceed 3.07 lbs/hour and 13.45 tons/year. [T1]

ii. Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the monthly and annual emissions of PM (tons/month and tons/year), with supporting calculations.

c. i. Volatile Organic Material Requirements (VOM)

- A. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hour) of organic material into the atmosphere from any source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of Subpart K shall apply only to photochemically reactive material.
- B. Pursuant to Section 39.5(7)(a) of the Act, the emissions of VOM from the fuel combustion in the edible Rendering shall not exceed 0.16 lb/hour and 0.70 ton/year. [T1]

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the monthly and annual emissions of VOM (tons/month and tons/year), with supporting calculations.

d. i. **Carbon Monoxide Requirements (CO)**

- A. Pursuant to 35 IAC 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 2.9 MW (10 mmBtu/hour) to exceed 200 ppm, corrected to 50 percent excess air.
- B. Pursuant to Section 39.5(7)(a) of the Act, the emissions of carbon monoxide from the fuel combustion in the edible rendering shall not exceed 2.47 lbs/hour and 10.80 tons/year. [T1]

ii. Compliance Method (CO Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

Recordkeeping

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the above emissions from the fuel combustion unit in the edible room including supporting calculations in tons/month and tons/year.

e. i. **Nitrogen Oxide Requirements (NO_x)**

- A. Pursuant to Section 39.5(7)(a) of the Act, the emissions of nitrogen oxides from the fuel combustion unit in the edible rendering shall exceed 2.94 lbs/hour and 12.88 tons/year. [T1]

ii. Compliance Method (NO_x Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

Recordkeeping

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the above emissions from the combustion units in the edible rendering including supporting calculations in tons/month and tons/year.

f. i. **Operational and Production Requirements**

- A. Pursuant to Construction Permit #00040054, the throughput (bone process weight rate) by the Duske Dryer shall not exceed 8.79 tons/hour and 77,000 tons/year. [T1]
- B. Pursuant to Section 39.5(7)(a) of the Act, natural gas or liquid petroleum gas shall be the only fuel burned in the edible dryer.

- C. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall use all reasonable actions in preventing the odors from the edible rendering unit.
- ii. Compliance Method (Operational and Production Requirements)
- Recordkeeping
- A. Pursuant to Construction Permit #00040054 and Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain the following records: [T1]
- I. The amount of finished material throughput (bone process weight) in tons/month and tons/year.
- II. Natural gas usage in mmscf/month and mmscf/year.
- III. Liquid petroleum gas usage in gallons/month and gallons/year.
- B. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall keep a record of the hours of operation in hours/month and hours/year.

3. Non-Applicability Determinations

- a. Pursuant to 35 IAC 245.120(a), the provisions of 35 IAC Part 245 do not apply for the edible rendering units, because the units are used exclusively for the processing of food for human consumption.
- b. The emission units from the Edible Rendering Processes are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the emission units do not use an add-on control device to achieve compliance with an emission limitation or standard.

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
- I. Requirements in Conditions 4.4.2(a)(i), 4.4.2(b)(i), 4.4.2(c)(i), 4.4.2(d)(i), 4.4.2(e)(i), and 4.4.2(f)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
- A. Date and time of the deviation.

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

- B. Emission unit(s) and/or operation involved.
- C. The duration of the event.
- D. Probable cause of the deviation.
- E. Corrective actions or preventative measures taken.

4.5 Inedible Rendering

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Dry Rendering Cookers (8 units, JO-RC-1)	PM, VOM	After 1972 Cooker 2001	2015	Cyclone Impingement Tank, Venturi Scrubber (JO-CE-8K), Packed Bed Scrubber (JO-CE-5)	None
Lo Pro Surge Bin Air Lock (JO-LPAL-1)	PM	After 1972 Cooker 2001	N/A	Baghouse	None
Lo Pro Surge Bin (JO-IR-3)	PM	After 1972 Cooker 2001	N/A	Venturi Scrubber (JO-CE-1) Packed Bed Scrubber (JO-CE-2)	None
Beef Crax Surge Bin (JO-IR-1)	PM	After 1972 Cooker 2001	N/A	Venturi Scrubber (JO-CE-1) Packed Bed Scrubber (JO-CE-2)	None
Pork Crax Surge Bin (JO-IR-2)	PM	After 1972 Cooker 2001	N/A	Venturi Scrubber (JO-CE-1) Packed Bed Scrubber (JO-CE-2)	None
Inedible Hammermills (3 units, JO-IR-4)	PM	After 1972 Cooker 2001	N/A	Dust Filtration System (JO-CE-6) Venturi Scrubber (JO-CE-1) Packed Bed Scrubber (JO-CE-2)	None
Inedible Rotexes (2 units, JO-IR-5)	PM	After 1972 Cooker 2001	N/A	Dust Filtration System (JO-CE-6) Venturi Scrubber (JO-CE-1) Packed Bed Scrubber (JO-CE-2)	None
Flotation Sweco Screen (JO-RC-7)	PM	After 1972 Cooker 2001, 2015		Venturi Scrubber (JO-CE-8K) Packed Bed Scrubber (JO-CE-5)	None
Flotation Centrifuges (2) (JO-RE-3PHASES)	PM	After 1972 Cooker 2001, 2015	2012	Packed Bed Scrubber (JO-CE-5)	None
Flotation Tallow Surge Tank	PM	After 1972 Cooker 2001, 2015		Packed Bed Scrubber (JO-CE-5)	None
Flotation Tallow Polisher/Clarifier	PM	After 1972 Cooker 2001, 2015		Packed Bed Scrubber (JO-CE-5)	None
Bile Kettle (JO-BK-1)	PM	After 1972 Cooker 2001		Venturi Scrubber (JO-CE-8K) Packed Bed Scrubber (JO-CE-5)	None
Inedible Tallow Centrifuge (JO-GC-1)	PM	After 1972 Cooker 2001		Venturi Scrubber (JO-CE-8K) Packed Bed Scrubber (JO-CE-5)	None

2. Applicable Requirements

For the emission units in Condition 4.5.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), the Permittee shall not cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

emission units subject to 35 IAC 212.122, except as provided for in 35 IAC 212.123(b).

ii. Compliance Method (Opacity Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform an observation of the facility's roof exhaust points in accordance with Method 22 for visual emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the printing line and/or maintenance and repair. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep records for each observation for visual emissions conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.321(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.321(c) (See also Section 7.2(a)).
- B. Pursuant to 35 IAC 212.322(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced prior to April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.322(c) (See also Section 7.2(b)).
- C. Pursuant to Construction Permit #00040054, emissions of PM shall not exceed 6.17 lbs/hr and 27.02 tons/year from the packed bed scrubber. [T1]

ii. Compliance Method (PM Requirements)

Recordkeeping

- A. Pursuant to Construction Permit #15090037, the Permittee shall maintain a file containing a demonstration of the maximum emissions of PM, PM₁₀/PM_{2.5} from the steam-heated inedible rendering cooker (pounds/hour and tons/year) with supporting documentation and calculations. [T1]

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the monthly and annual emissions of PM (tons/month and tons/year), with supporting calculations.

c. i. Volatile Organic Material Requirements (VOM)

- A. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of Subpart K shall apply only to photochemically reactive material.
- B. Pursuant to 35 IAC 245.120(b), no person shall operate or use any device, machine, equipment, or other contrivance for the inedible rendering of animal or marine matter unless all gases, vapors and gas entrained effluents from these processes shall be controlled in such manner as to effectively abate any objectionable odor nuisance. In the event that the rendering processes of more than one company are contributing to the objectionable odor nuisance, abatement shall be deemed effective when the odor concentration from each process is not more than 120 odor units/cubic foot as determined by Mills adaptation of ASTM D-1391-57.
- C. Pursuant to 35 IAC 245.120(c), an objectionable odor nuisance exists when a trained state inspector, upon the receipt of a complaint from one resident or property owner in the area affected shall determine that these odors cause a nuisance as outlined below:
- I. Pursuant to 35 IAC 245.121, an objectionable odor nuisance exists:
1. On or adjacent to residential, recreational, institutional, retail sales, hotel or educational premises when odor is detectable in the ambient air after it is diluted with eight volumes of odor-free air as measured by the Scentometer;
 2. On or adjacent to industrial premises when odor is detectable in the ambient air after it is diluted with twenty-four volumes of odor-free air as measured by the Scentometer;
 3. On or adjacent to premises other than those above when odor is detectable in the ambient air after it is diluted with sixteen volumes of odor-free air as measured by the Scentometer;
 4. When concurrent determinations made by three trained inspectors as outlined above in any given one hour period and at intervals of not less than fifteen minutes result in two positive determinations in each series of three determinations; and
 5. Provided that any quantitative odor level measurements taken to arrive at a determination that an objectionable odor nuisance exists shall be at or beyond the property line or at or near places where people live or work.

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permit #15090037, the Permittee shall maintain a file containing a demonstration of the maximum emissions of VOM from the steam-heated inedible rendering cooker (pounds/hour and tons/year) with supporting documentation and calculations. [T1]
- C. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the monthly and annual emissions of VOM (tons/month and tons/year), with supporting calculations.

d. i. Operational and Production Requirements

- A. Pursuant to Construction Permit #00040054, total meat processing rate for cookers shall not exceed 85,998 tons/year. [T1]
- B. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall use all reasonable actions in preventing the odors from affected inedible rendering units.
- C. Pursuant to Construction Permit #03090023, the venturi scrubber (JO-CE-1) and packed bed scrubber (JO-CE-2) shall be operated at all times when the Inedible Hammermills (JO-IR-4) are in operation and emitting air contaminants. [T1]

ii. Compliance Method (Operational and Production Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, the Permittee shall follow good operating practices for the associated air pollution control devices, including periodic inspection, routine maintenance and repair of defects.

Recordkeeping

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the material throughput (finish crax output) for each individual unit group of the inedible rendering operations, tons/month and tons/year.
- C. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep records of any time the control equipment is not in operation, with explanation (malfunction, maintenance, or repair, etc.). The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation.
- D. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep records of each inspection performed. These records shall include, at a minimum:
 - I. Date inspections were performed;
 - II. Names of inspection personnel;
 - III. Identification of equipment being inspected;
 - IV. Findings of the inspections; and

- V. A description of any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

3. Non-Applicability Determinations

- a. The emission units from the inedible rendering Processes are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the emission units do not use an add-on control device to achieve compliance with an emission limitation or standard.

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
- I. Requirements in Conditions 4.5.2(a)(i), 4.5.2(b)(i), 4.5.2(c)(i), and 4.5.2(d)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
- A. Date and time of the deviation.
- B. Emission unit(s) and/or operation involved.
- C. The duration of the event.
- D. Probable cause of the deviation.
- E. Corrective actions or preventative measures taken.

4.6 Storage Silos

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Two (2) Inedible Rendering Silos (JO-SILO-1,2)	PM	1972	2004	Baghouse (JO-SBH-1)	None
Two (2) Gel Bone Silos (JO-SILO-4,5)	PM	1972		N/A	None
One (1) Blood Rendering Silo (JO-SILO-6)	PM	1972	2004	Baghouse (JO-BBH-2)	None
Two (2) Lime Silos (JO-WWTP-LIME, JO-WT-LIME)	PM	1972	N/A	Two (2) Baghouses	None

2. Applicable Requirements

For the emission units in Condition 4.6.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

A. Pursuant to 35 IAC 212.123(a), the Permittee shall not cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided for in 35 IAC 212.123(b).

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7) (b) and (d) of the Act, at a minimum, the Permittee shall perform an observation of the facility's roof exhaust points in accordance with Method 22 for visual emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the printing line and/or maintenance and repair. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

B. Pursuant to Sections 39.5(7) (b) and (e) of the Act, the Permittee shall keep records for each observation for visual emissions conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

b. i. Particulate Matter Requirements (PM)

A. Pursuant to 35 IAC 212.321(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the

emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.321(c) (See also Section 7.2(a)).

- B. Pursuant to 35 IAC 212.322(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced prior to April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.322(c) (See also Section 7.2(b)).
- C. Pursuant to Construction Permit #00080029, emissions of PM shall not exceed 0.14 lbs/hr and 0.61 tons/year for the Tannery Lime Silo (JO-WT-LIME). [T1]

ii. **Compliance Method (PM Requirements)**

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the monthly and annual emissions of PM (tons/month and tons/year), with supporting calculations.

c. i. **Operational and Production Requirements**

- A. Pursuant to Construction Permit #00080029, the Lime Silo shall not exceed throughput of 22.5 tons/hour. [T1]
- B. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall perform monthly inspections of each baghouse.
- C. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall follow good operating practices for the associated air pollution control devices, routine maintenance and repair of defects.
- D. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall operate, maintain, and replace the fabric filters according to the manufacturer's specifications.

ii. **Compliance Method (Operational and Production Requirements)**

Recordkeeping

- A. Pursuant to Construction Permit #00080029, the Permittee shall maintain annual and monthly records of the amount of lime loaded into the lime silo. [T1]
- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the following:
 - I. Total material throughput, tons/month and tons/year.
 - II. Lime throughput, tons/month and tons/year.

- C. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep records of each inspection performed. These records shall include, at a minimum:
- I. Date inspections were performed;
 - II. Names of inspection personnel;
 - III. Identification of equipment being inspected;
 - IV. Findings of the inspections; and
 - V. A description of any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

3. Non-Applicability Determinations

- a. The storage silos are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the Storage Silos do not have potential pre-control device emissions of the applicable regulated air pollutant that equals or exceeds major source threshold levels.

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
 - I. Requirements in Conditions 4.6.2(a)(i), 4.6.2(b)(i), and 4.6.2(c)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

4.7 Truck and Rail Loading

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Truck Load Out Air Lock (JO-TAL-1)	PM	1972	N/A	Baghouse	None
Truck Load Out (JO-TRUCK-1)	PM	1972	N/A	Packed Bed Scrubber	None
Rail Load Out (JO-RAIL-1)	PM	1972	N/A	None	None
Blood Rail Load Out (JO-BBH-1)	PM	1972	N/A	Baghouse	None
Blood Truck Load Out (JO-BLDTRUCK-1) Permit 04030026	PM	2004	N/A	Venturi Scrubber (JO-CE-1) Packed Bed Scrubber (JO-CE-2)	None

2. Applicable Requirements

For the emission units in Condition 4.7.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), the Permittee shall not cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided for in 35 IAC 212.123(b).

ii. Compliance Method (Opacity Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7) (b) and (d) of the Act, at a minimum, the Permittee shall perform an observation of the facility's roof exhaust points in accordance with Method 22 for visual emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the printing line and/or maintenance and repair. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

- B. Pursuant to Sections 39.5(7) (b) and (e) of the Act, the Permittee shall keep records for each observation for visual emissions conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.321(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.321(c) (See also Section 7.2(a)).
- B. Pursuant to 35 IAC 212.322(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced prior to April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.322(c) (See also Section 7.2(b)).

ii. Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the monthly and annual emissions of PM (tons/month and tons/year), with supporting calculations.

c. i. Operational and Production Requirements

- A. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall perform monthly inspections of each baghouse.
- B. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall follow good operating practices for the associated air pollution control devices, routine maintenance and repair of defects.

ii. Compliance Method (Operational and Production Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, the Permittee shall operate, maintain, and replace the fabric filters in a manner that assures compliance with the conditions of this Section.

Recordkeeping

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep records of the inspections of the baghouses.

3. Non-Applicability Determinations

- a. The Truck and Railroad loading are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the Truck and Railroad loading do not have potential pre-control device emissions of the applicable regulated air pollutant that equals or exceeds major source threshold levels.

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
 - I. Requirements in Conditions 4.7.2(a)(i), 4.7.2(b)(i), and 4.7.2(c)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.

4.8 Hide Splitter (Tannery)

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Hide Splitter (JO-HS-1)	PM	1994	N/A	Cyclone Wet Scrubber	None

2. Applicable Requirements

For the emission units in Condition 4.8.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), the Permittee shall not cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided for in 35 IAC 212.123(b).

ii. Compliance Method (Opacity Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7) (b) and (d) of the Act, at a minimum, the Permittee shall perform an observation of the facility's roof exhaust points in accordance with Method 22 for visual emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the printing line and/or maintenance and repair. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

- B. Pursuant to Sections 39.5(7) (b) and (e) of the Act, the Permittee shall keep records for each observation for visual emissions conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.321(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.321(c) (See also Section 7.2(a)).

- B. Pursuant to 35 IAC 212.322(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced prior to April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.322(c) (See also Section 7.2(b)).
- C. Pursuant to Construction Permit #00090019, emissions of PM shall not exceed 0.19 lbs/hr and 0.85 tons/year for the hide splitter. [T1]

ii. Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep records of the monthly and the annual emissions of PM (tons/month and tons/year), with supporting calculations.

c. i. Operational and Production Requirements

- A. Pursuant to Construction Permit #00090019, the throughput of the hide splitter shall not exceed 390 hides/hour. [T1]
- B. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall follow good operating practices for the associated air pollution control device, including periodic inspections, routine maintenance and repairs of defects.
- C. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall operate and maintain the cyclone according to the manufacturer's specifications.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

- A. Pursuant to Construction Permit #00090019, the Permittee shall maintain annual and monthly records of the number of hides split. [T1]
- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain the following records:
 - I. Hours of operations (hours/month and hours/year).
 - II. Flow rate of the Cyclone (scfm).
- C. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep records of each inspection performed. These records shall include, at a minimum:
 - I. Date inspections were performed;
 - II. Names of inspection personnel;
 - III. Identification of equipment being inspected;

- IV. Findings of the inspections; and
- V. A description of any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

3. Non-Applicability Determinations

- a. The Hide Splitter is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the Hide Splitter does not have potential pre-control device emissions of the applicable regulated air pollutant that equals or exceeds major source threshold levels.

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
 - I. Requirements in Conditions 4.8.2(a)(i), 4.8.2(b)(i), and 4.8.2(c)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.

4.9 Wastewater Treatment Plant

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification n/ Reconstruct ion Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Three (3) Anaerobic Wastewater Lagoons each with a Cover	VOM, SO ₂ , NO _x , CO	1972	2001	Biogas Flare Sulferox Scrubber	None
Two (2) Covered Equalization Basins Ducted to an Aeration Basin	VOM, SO ₂ , NO _x , CO	1972	2001	None	None

2. Applicable Requirements

For the emission units in Condition 4.9.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), the Permittee shall not cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided for in 35 IAC 212.123(b).

ii. Compliance Method (Opacity Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7) (b) and (d) of the Act, at a minimum, the Permittee shall perform an observation of the facility's roof exhaust points in accordance with Method 22 for visual emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the printing line and/or maintenance and repair. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

- B. Pursuant to Sections 39.5(7) (b) and (e) of the Act, the Permittee shall keep records for each observation for visual emissions conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

b. i. Sulfur Dioxide Requirements (SO₂)

- A. Pursuant to 35 IAC 214.301, no person shall cause or allow the emissions of sulfur dioxide into the atmosphere from any process emission unit to exceed 2000 ppm.

- B. Pursuant to Construction Permits #00040053 and #09010002, the emissions of sulfur dioxide from the lagoons shall not exceed 3.3 ton/month and 16.6 ton/year. [T1]

ii. Compliance Method (SO₂ Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permits #00040053 and #09010002, the Permittee shall keep records of the biogas flow rate (scfm) and the emissions of sulfur dioxide in ton/month and ton/year. [T1]
- C. Pursuant to Construction Permit #09010002, the Permittee shall keep a file containing the emission factor for SO₂ based on tested biogas sulfur content for the anaerobic treatment system. [T1]

c. i. **Volatile Organic Material Requirements (VOM)**

- A. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of Subpart K shall apply only to photochemically reactive material.
- B. Pursuant to Construction Permits #00040053 and #09010002, the emissions of VOM from the lagoons, shall not exceed 1.5 tons/month and 7.4 tons/year. [T1]

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
- B. Pursuant to 35 IAC 215.302, the control system operated in conjunction of covered lagoons shall be capable of reducing organic material emissions to at least 85 percent the uncontrolled organic material that would be otherwise emitted to the atmosphere.

Recordkeeping

- C. Pursuant to Construction Permits #00040053 and #09010002, the Permittee shall maintain records of VOM emissions from the lagoons, including supporting calculations in tons/month, and tons/year. [T1]

d. i. **Carbon Monoxide Requirements (CO)**

- A. Pursuant to 35 IAC 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 2.9 MW (10 mmBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air.

- B. Pursuant to Construction Permits #00040053 and #09010002, the emissions of carbon monoxide from the lagoons shall not exceed 11.1 ton/month and 55.7 ton/year. [T1]

ii. Compliance Method (CO Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permits #00040053 and #09010002, the Permittee shall maintain records of CO emissions from the lagoons, including supporting calculations in tons/month, and tons/year. [T1]
- C. Pursuant to Construction Permit #09010002, the Permittee shall keep a file containing the emission factors for CO based on flare manufacturer's data, or AP-42 factors, or equivalent, with supporting documentation. [T1]

e. i. **Nitrogen Oxide Requirements (NO_x)**

- A. Pursuant to Construction Permits #00040053 and #09010002, the emissions of nitrogen oxides shall from the lagoons shall not exceed 3.8 tons/month and 18.8 tons/year. [T1]

ii. Compliance Method (NO_x Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permits #00040053 and #09010002, the Permittee shall maintain records of NO_x emissions from the lagoons, including supporting calculations in tons/month, and tons/year. [T1]
- C. Pursuant to Construction Permit #09010002, the Permittee shall keep a file containing the emission factors for NO_x based on flare manufacturer's data, or AP-42 factors, or equivalent, with supporting documentation. [T1]

f. i. **Hazardous Air Pollutant Requirements (HAP)**

- A. Pursuant to Construction Permits #00040053 and #09010002, the emissions of H₂S from the lagoons shall not exceed 0.1 ton/month and 0.2 ton/year. [T1]
- B. Pursuant to Construction Permit #09010002, the Sulferox scrubber shall be designed to achieve at least 97% removal of H₂S emissions, three hour average under maximum operating conditions, i.e., maximum gas flow rate and maximum H₂S concentration. [T1]
- C. Pursuant to Construction Permit #09010002, the Permittee shall install, maintain and operate a continuous monitor on the Sulferox scrubber for the absorber solution circulation rate (gpm), which system shall provide real-time data for this parameter and automatically record average hourly values. [T1]

- D. Pursuant to Construction Permit #09010002, the Permittee shall comply with the following instrumentation requirements: [T1]
 - I. The Permittee shall install, maintain and operate metering devices to totalize flow of biogas to the scrubber;
 - II. If the control system is equipped with bypass vent(s), the Permittee shall install, operate and maintain device(s) to indicate flow through the bypass vent(s).

ii. Compliance Method (HAP Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (e) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permits #00040053 and #09010002, the Permittee shall maintain records of H₂S from the lagoon in tons/month and tons/year. [T1]
- C. Pursuant to Construction Permit #09010002, the Permittee shall maintain records of the following items for the new scrubber: [T1]
 - I. Usage of agent, e.g., iron chelate, amino solution (gallons/month);
 - II. Amount of sulfur recovered (tons/quarter and tons/year).

g. i. Operational and Production Requirements

- A. Pursuant to Construction Permit #09010002, the Sulferox scrubber shall be operating at all times except during scheduled maintenance or breakdown, when emissions from the lagoons would only be controlled by the flare. [T1]
- B. Pursuant to Construction Permit #09010002, all required monitoring devices and instruments shall be installed, calibrated, and maintained according to the supplier's specifications and/or good industry standards and shall be operated at all times that the anaerobic treatment system is in use. [T1]
- C. Pursuant to Construction Permits #00040053 and #09010002, at all times, the Permittee shall, to the extent practicable, maintain and operate the lagoons, including associated air pollution capture and control equipment, in accordance with written operating procedures that provide for good air pollution control practice for minimizing emissions. At a minimum, these practices shall include: [T1]
 - I. The following provisions for operation of the scrubber:
 - 1. Procedures for maintaining adequate levels of chemicals in the scrubber, including target levels of chemicals.
 - 2. Acceptable ranges of Sulferox scrubber operating parameters.
 - 3. The procedures for regular preventative maintenance of the scrubber.
 - II. The following provisions for operation of the flare:

1. The flare shall be operated with a flame present at all times.
2. The presence of a flare pilot flame shall be monitored using a thermocouple or other comparable device to detect the presence of a flame.
3. If the pilot flame goes out, the flow of off-gases to the flare shall be discontinued until the pilot flame is restored.

III. The procedures for periodic inspection of the capture system, Sulferox scrubber, and flare.

- D. Pursuant to Section 39.5(7)(a) of the Act, equalization basins shall be covered any time during normal operations. These covers are used for controlling odors generated by these basins.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

- A. Pursuant to Construction Permit #09010002, the data in Condition 4.9.2(g)(i)(B) shall be manually recorded if automatic measurement and recording device(s) are not in service for more than two hours. During periods when the control system or the anaerobic wastewater lagoons are normally staffed, this data shall be recorded at least every two hours. During periods when staff would not normally be present, this data shall be recorded at least once every 24 hours. [T1]
- B. Pursuant to Construction Permits #00040053 and #09010002, the Permittee shall maintain a copy of the written operating procedures, required by Condition 4.9.2(g)(i)(C), which shall be reviewed at least annually and revised as needed. [T1]
- C. Pursuant to Construction Permits #00040053 and #09010002, the Permittee shall maintain operating and maintenance logs for the control system, that at minimum, identify maintenance and repair activities, actual scrubbant addition rates, and changes to the nature of the additions, i.e., different solution purchased or change in the concentration to which it is being prepared, and the following information related to periods of time when the control system for the anaerobic treatment system was not in operation or was not operating properly. [T1]
- I. The date, time, duration and description of the incident.
 - II. An explanation of the reason or cause for the incident, the corrective actions that were taken, the repairs that were made, and the steps that were taken to prevent any such reoccurrence.
 - III. If an operating parameter of the control system deviates outside the level set as good air pollution control practice, the measured level of that parameter.
 - IV. If the anaerobic treatment system deviates from the requirements for the system, including applicable emission limits, a detailed description of the cause for the exceedance, and the corrective action(s) and preventive measures taken to prevent any such reoccurrence if any.

Note: When biogas is not being flared or sent to a boiler, i.e. when biogas is not being handled, are not required to be logged. Only times of malfunction, when biogas is being flared or sent to a boiler without the

scrubbing system in operation or if biogas were sent to the flare system with no pilot flame present.

- D. Pursuant to Construction Permit #00040053, the Permittee shall maintain records of the following items for the lagoons: [T1]
- I. Usage of scrubbing agent (gallons/month);
 - II. Biogas flow rate, scfm;
 - III. Hours of operation for the scrubber and flare (hours/month and hours/year).

3. Non-Applicability Determinations

As of the date of issuance of this permit, non-applicability of regulations of concern are not set for the wastewater treatment plant.

4. Other Requirements

For the emission units in Condition 4.9.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

a. i. Compliance Method (Construction Permits #00040053 and #09010002)

Testing

- A. Pursuant to Construction Permits #00040053 and #09010002, when testing is required, the following methods and procedures shall be used for testing of emissions, unless another method is approved by the Illinois EPA: (refer to 40 CFR 60, Appendix A, for USEPA test methods): [T1]

Location of Sample Points	USEPA Method 1
Gas Flow and Velocity	USEPA Method 2
Flue Gas Weight	USEPA Method 3
Moisture	USEPA Method 4
Hydrogen Sulfide	USEPA Method 15

- B. Pursuant to Construction Permits #00040053 and #09010002, when testing is required, at least 90 days before the date that emissions testing is scheduled to be performed, the Permittee shall submit a written test plan to the Illinois EPA for review and comment. This plan shall describe the specific procedures for testing, including as a minimum: [T1]
- I. The person(s) who will be performing sampling and analysis and their experience with similar tests.
 - II. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and scrubber will be determined.
 - III. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.
 - IV. The test method(s) which will be used, with the specific analysis method, if the method can be used with different analysis methods.
 - V. Any proposed use of an alternative test method, such as use of an H₂S monitoring system with detailed justification. (Note: Use of an alternative method is subject to approval by the Illinois EPA.)

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

- C. Pursuant to Construction Permits #00040053 and #09010002, when testing is required, the Illinois EPA shall be notified prior to these tests to enable the Illinois EPA to observe these tests. Notification of the expected date of testing shall be submitted a minimum of 30 days prior to the expected date of testing. Confirmation of the actual date and expected time of testing shall be submitted a minimum of 5 working days prior to the actual date of the test. The Illinois EPA may accept notifications with shorter advance notice, however the Illinois EPA will not accept such notifications if it interferes with the ability of the Illinois EPA to observe testing. [T1]
- D. The Permittee shall comply with all the requirements of Section 7.1.

Recordkeeping

- E. Pursuant to Construction Permit #09010002, the Permittee shall keep emission records for the anaerobic treatment system as follows: [T1]
- I. Copies of reports for measurements of the composition of biogas and emissions conducted for the system including:
1. Records of measurements conducted pursuant to the testing above.
 2. Records of other measurements conducted as part of the evaluation of the anaerobic system and its control system.

Reporting

- F. Pursuant to Construction Permits #00040053 and #09010002, copies of the Final Report(s) for these tests shall be submitted to the Illinois EPA within 30 days after the test results are compiled and finalized and no later than 45 days after the date of testing. The Final Report shall include at a minimum: [T1]
- I. A summary of results,
- II. General information,
- III. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule,
- IV. Detailed description of test conditions, including:
1. Process information, i.e., source operating rate and flow rate to the wastewater treatment plant;
 2. Control equipment information, i.e., operating parameters during testing.
- V. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
 - I. Requirements in Conditions 4.9.2(a)(i), 4.9.2(b)(i), 4.9.2(c)(i), 4.9.2(d)(i), 4.9.2(e)(i), 4.9.2(f)(i), and 4.9.2(g)(i).
 - II. Requirements in Conditions 4.9.4(a)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.

Section 5 - Additional Title I Requirements

This Section is reserved for Title I requirements not specified in Sections 3 or 4. As of the date of issuance of this permit, there are no Title I requirements that need to be separately addressed in this Section.

Section 6 - Insignificant Activities Requirements

1. Insignificant Activities Subject to Specific Regulations

Pursuant to 35 IAC 201.210 and 201.211, the following activities at the source constitute insignificant activities. Pursuant to Sections 9.1(d) and 39.5(6)(a) of the Act, the insignificant activities are subject to specific standards promulgated pursuant to Sections 111, 112, 165, or 173 of the Clean Air Act. The Permittee shall comply with the following applicable requirements:

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
560-Gallon Gasoline Storage Tank	1	35 IAC 201.210(a) (10) (B)
Gas turbines and stationary reciprocating internal combustion engines < 112 kW (150 HP). 100.6 hp natural gas-fired backup generator	1	35 IAC 201.210(a) (15)
Gas Turbines and Engines between 112 KW and 1,118 KW (150 and 1,500 HP) that are emergency or standby units. 251 hp diesel fire pump - water reservoir	1	35 IAC 201.210(a) (16)

a. Applicable Requirements (Engines)

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements in addition to the applicable requirements in Condition 6.4:

i. New Source Performance Standard Requirements (40 CFR 60 Subparts IIII and JJJJ)

- A. Pursuant to 40 CFR 60.4205(b) and 60.4202(a)(2), the engines are subject to the emission limitations of 40 CFR 89.112 and 89.113.
- B. The engines shall meet the applicable general provisions of 40 CFR 60 Subpart A.
- C. The engines shall comply with the applicable emission limitations and operating limitations, fuel requirements, general compliance requirements, testing and initial compliance requirements, continuous compliance requirements, notifications, reports, and records and other requirements and information of 40 CFR 60 Subpart IIII and 40 CFR 89 Subpart B.
- D. The engines shall meet the emission limitation requirements of 40 CFR 60.4233.
- E. The engines shall meet the applicable general provisions of 40 CFR 60 Subpart A.
- F. The engines shall comply with the applicable emission limitations and operating limitations, fuel requirements, general compliance requirements, testing and initial compliance requirements, continuous compliance requirements, notifications, reports, and records and other requirements and information of 40 CFR 60 Subpart JJJJ.

ii. National Emission Standards for Hazardous Air Pollutants (40 CFR 63 Subpart ZZZZ)

- A. Pursuant to 40 CFR 63.6585(f), the emergency stationary RICE listed in paragraphs (f)(1) through (f)(3) are not subject to 40 CFR Subpart ZZZZ. The stationary RICE must meet the definition of an institutional emergency stationary RICE in 40 CFR 63.6675, which includes operating according to the provisions specified in 40 CFR 63.6640(f).

- B. Pursuant to 40 CFR 63.6585(f)(3), existing institutional emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in 40 CFR 63.6640(f)(4)(ii).

b. Applicable Requirements (Storage Tank)

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements in addition to the applicable requirements in Condition 6.4:

i. National Emission Standards for Hazardous Air Pollutants (40 CFR 63 Subpart CCCCCC)

- A. Pursuant to 40 CFR 63.11116(a), the Permittee shall fulfill at least the following requirements in regard to the gasoline dispensing facility with monthly throughput of less than 10,000 gallons of gasoline:
- I. Minimize gasoline spills;
 - II. Clean up spills as expeditiously as practicable;
 - III. Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and
 - IV. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
- B. Pursuant to Section 39.5(7)(a) of the Act, the monthly gasoline throughput shall not exceed 10,000 gallons per month and 100,000 per year.

ii. Compliance Method (40 CFR 63 Subpart CCCCCC Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, the Permittee shall conduct semi-annual inspections of the gasoline storage tank and dispensing operation to ensure that the operating requirements established by 40 CFR 63 Subpart CCCCCC are met. The tank shall be inspected while the tank is being filled.

Recordkeeping

- B. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep on site written operating procedures or instructions on how to implement the operating requirements established by 40 CFR 63 Subpart CCCCCC.
- C. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain the records of conducted inspections, with a date and results of such inspections.
- D. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep monthly and annual records of gasoline throughput.

iii. State Requirements (35 IAC Part 215)

- A. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of

greater than 946 l (250 gal), unless such tank is equipped with a permanent submerged loading pipe.

- B. Pursuant to 35 IAC 215.583(a), no person shall cause or allow the transfer of gasoline from any delivery vessel into the stationary storage tank at a gasoline dispensing facility unless the tank is equipped with a submerged loading pipe.

iv. Compliance Method (35 IAC Part 215)

Monitoring

- A. Pursuant to Sections 39.5(7) (b) and (d) of the Act, the Permittee shall conduct semi-annual inspections of the gasoline storage tank and dispensing operation while the tank is being filled by inspecting at least the following:
- I. Retractors, hoses, breakaways, swivels.
 - II. Adapters, vapor caps, rubber gaskets, and spill containment buckets.
 - III. Gauges and meters.
 - IV. Submerged loading pipe is physically present and the condition of the pipe for integrity.

Recordkeeping

- B. Pursuant to Sections 39.5(7) (b) and (e) of the Act, the Permittee shall maintain the records of conducted inspections, with a date and results of such inspections.
- C. Pursuant to Sections 39.5(7) (b) and (e) of the Act, the Permittee shall keep a copy of operating instructions and maintenance log.

2. Insignificant Activities in 35 IAC 201.210(a)

In addition to any insignificant activities identified in Condition 6.1, the following additional activities at the source constitute insignificant activities pursuant to 35 IAC 201.210 and 201.211:

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
1 Aerosol Can Puncturing System 1 Batch Vents-Tannery (JO-TAN-1) 1 Chase Vents-Tannery (JO-TAN-2) 1 Pickle Sump and Acid Day Tank-Tannery (JO-TAN-3) 1 Reacidulate Tank-Tannery (JO-TAN-4) 1 Building Vents-Tannery (JO-TAN-5)	6	35 IAC 201.210(a) (1) and 201.211
Edible Forsberg Surge Bin (JO-RE-3) Edible Forsberg Surge Bin (JO-RE-4) Gel Bone Dust Collection Bin (JO-GBRR-1) Blood Rail Load Out Air Lock (JO-BRAL-1) Pneumatiz Salt Transfer System with Baghouse Two (2) Wastewater Flow Equalization Basins	7	35 IAC 201.210(a) (2) or (a) (3)
Direct combustion units used for comfort heating and fuel combustion emission units as further detailed in 35 IAC 201.210(a) (4).	55	35 IAC 201.210(a) (4)

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

Section 6 - Insignificant Activities Requirements

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
Extruders used for the extrusion of metals, minerals, plastics, rubber, or wood, excluding extruders used in the manufacture of polymers, provided that volatile organic materials or class I or II substances subject to the requirements of Title VI of the Clean Air Act are not used as foaming agents or release agents or were not used as foaming agents in the case of extruders processing scrap material;	1	35 IAC 201.210(a) (5)
Storage tanks of virgin or rerefined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oil.	4	35 IAC 201.210(a) (11)
Any size storage tanks containing exclusively soaps, detergents, surfactants, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup, aqueous salt solutions, or aqueous caustic solutions where an organic solvent has not been mixed.	7	35 IAC 201.210(a) (17)
Loading and unloading systems for railcars, tank trucks, or watercraft that handle only the following liquid materials provided an organic solvent has not been mixed with such materials: soaps, detergents, surfactants, lubricating oils, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup, aqueous salt solutions, or aqueous caustic solutions.	1	35 IAC 201.210(a) (18)

3. Insignificant Activities in 35 IAC 201.210(b)

Pursuant to 35 IAC 201.210, the source has identified insignificant activities as listed in 35 IAC 201.210(b) (1) through (28) as being present at the source. The source is not required to individually list the activities.

4. Applicable Requirements

Insignificant activities in Conditions 6.1 and 6.2 are subject to the following general regulatory limits notwithstanding status as insignificant activities. The Permittee shall comply with the following requirements, as applicable:

- a. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b).
- b. Pursuant to 35 IAC 212.321 or 212.322 (see Conditions 7.2(a) and (b)), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units at a source or premises, exceed the allowable emission rates specified 35 IAC 212.321 or 212.322 and 35 IAC Part 266.
- c. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2,000 ppm, except as provided in 35 IAC Part 214.
- d. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any emission source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of 35 IAC 215 Subpart K shall apply only to photochemically reactive material.
- e. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 250 gal, unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

an equivalent device approved by the IEPA according to 35 IAC Part 201 or unless such tank is a pressure tank as described in 35 IAC 215.121(a) or is fitted with a recovery system as described in 35 IAC 215.121(b)(2). Exception as provided in 35 IAC 215.122(c): If no odor nuisance exists the limitations of 35 IAC 215.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F.

5. Compliance Method

Pursuant to Section 39.5(7)(b) of the Act, the source shall maintain records of the following items for the insignificant activities in Conditions 6.1 and 6.2:

- a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.6, the categories the insignificant activities fall under, and supporting calculations as needed for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).
- b. Potential to emit emission calculations before any air pollution control device for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).

6. Notification Requirements for Insignificant Activities

The source shall notify the IEPA accordingly to the addition of insignificant activities:

a. Notification 7 Days in Advance

- i. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(1) and 201.211 and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3. The notification shall include the following pursuant to 35 IAC 201.211(b):
 - A. A description of the emission unit including the function and expected operating schedule of the unit.
 - B. A description of any air pollution control equipment or control measures associated with the emission unit.
 - C. The emissions of regulated air pollutants in lbs/hr and tons/yr.
 - D. The means by which emissions were determined or estimated.
 - E. The estimated number of such emission units at the source.
 - F. Other information upon which the applicant relies to support treatment of such emission unit as an insignificant activity.
- ii. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(2) through 201.210(a)(18) and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3.
- iii. Pursuant to Sections 39.5(12)(a)(i)(b) and 39.5(12)(b)(iii) of the Act, the permit shield described in Section 39.5(7)(j) of the Act (see Condition 2.7) shall not apply to any addition of an insignificant activity noted above.

b. Notification Required at Renewal

Pursuant to 35 IAC 201.212(a) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) and is currently

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

identified in Conditions 6.1 or 6.2, a notification is not required until the renewal of this permit.

c. Notification Not Required

Pursuant to 35 IAC 201.212(c) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(b) as described in Condition 6.3, a notification is not required.

Section 7 - Other Requirements

1. Testing

- a. Pursuant to Section 39.5(7) (a) of the Act, a written test protocol shall be submitted at least sixty (60) days prior to the actual date of testing, unless it is required otherwise in applicable state or federal statutes. The IEPA may at the discretion of the Compliance Section Manager (or designee) accept protocol less than 60 days prior to testing provided it does not interfere with the IEPA's ability to review and comment on the protocol and does not deviate from the applicable state or federal statutes. The protocol shall be submitted to the IEPA, Compliance Section and IEPA, Stack Test Specialist for its review. Addresses are included in Attachment 3. This protocol shall describe the specific procedures for testing, including as a minimum:
- i. The name and identification of the emission unit(s) being tested.
 - ii. Purpose of the test, i.e., permit condition requirement, IEPA or USEPA requesting test.
 - iii. The person(s) who will be performing sampling and analysis and their experience with similar tests.
 - iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and any control equipment will be determined.
 - v. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.
 - vi. The test method(s) that will be used, with the specific analysis method, if the method can be used with different analysis methods. Include if emission tests averaging of 35 IAC 283 will be used.
 - vii. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
 - viii. Any proposed use of an alternative test method, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
 - ix. Sampling of materials, QA/QC procedures, inspections, etc.
 - x. Notwithstanding conditions 7.1 above, a test plan need not be submitted under the following circumstances:
 - A. Where the Permittee intends to utilize a test plan previously submitted. However, the Permittee must submit a notice containing the following:
 - I. The purpose of the test;
 - II. Date the previously submitted test plan was submitted; and
 - III. A statement that the source is relying on a previously submitted test plan.
 - B. Where the source intends to use a standard test method or procedure. However, the Permittee must submit a notice containing the following:

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

- I. The purpose of the test; and
 - II. The standard test method or procedure to be used.
- b. The IEPA, Compliance Section shall be notified prior to these tests to enable the IEPA to observe these tests pursuant to Section 39.5(7) (a) of the Act as follows:
- i. Notification of the expected date of testing shall be submitted in writing a minimum of thirty (30) days prior to the expected test date, unless it is required otherwise in applicable state or federal statutes.
 - ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice provided such notifications will not interfere with the IEPA's ability to observe testing.
- c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but no later than ninety (90) days after completion of the test, unless it is required otherwise in applicable state or federal statutes or the IEPA may at the discretion of the Compliance Section Manager (or designee) agree upon an alternative date upon in advance pursuant to Section 39.5(7) (a) of the Act. The Final Report shall include as a minimum:
- i. General information including emission unit(s) tested.
 - ii. A summary of results.
 - iii. Discussion of conditions during each test run (malfunction/breakdown, start-up/shutdown, abnormal processing, etc.).
 - iv. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule.
 - v. Detailed description of test conditions, including:
 - A. Process information, i.e., mode(s) of operation, process rate, e.g. fuel or raw material consumption.
 - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
 - C. A discussion of any preparatory actions taken, i.e., inspections, maintenance and repair.
 - vi. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.
 - vii. An explanation of any discrepancies among individual tests or anomalous data.
 - viii. Results of the sampling of materials, QA/QC procedures, inspections, etc.
 - ix. Discussion of whether protocol was followed and description of any changes to the protocol if any occurred.
 - x. Demonstration of compliance showing whether test results are in compliance with applicable state or federal statutes.
- d. Copies of all test reports and other test related documentation shall be kept on site as required by Condition 2.5(b) pursuant to Section 39.5(7) (e) (ii) of the Act.

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

2. PM Process Weight Rate Requirements

a. New Process Emission Units - 35 IAC 212.321

New Process Emission Units For Which Construction or Modification Commenced On or After April 14, 1972. [35 IAC 212.321]

- i. No person shall cause or allow the emission of PM into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of PM from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.321(c). See Condition 7.2(a)(iii) below. [35 IAC 212.321(a)]
- ii. Interpolated and extrapolated values of the data in 35 IAC 212.321(c) shall be determined by using the equation: [35 IAC 212.321(b)]

$$E = A(P)^B$$

Where:

P = Process weight rate (T/hr)
E = Allowable emission rate (lbs/hr)

A. Process weight rates of less than 450 T/hr:

A = 2.54
B = 0.53

B. Process weight rates greater than or equal to 450 T/hr:

A = 24.8
B = 0.16

iii. Limits for New Process Emission Units: [35 IAC 212.321(c)]

<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>	<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>
0.05	0.55	25.00	14.00
0.10	0.77	30.00	15.60
0.20	1.10	35.00	17.00
0.30	1.35	40.00	18.20
0.40	1.58	45.00	19.20
0.50	1.75	50.00	20.50
0.75	2.40	100.00	29.50
1.00	2.60	150.00	37.00
2.00	3.70	200.00	43.00
3.00	4.60	250.00	48.50
4.00	5.35	300.00	53.00
5.00	6.00	350.00	58.00
10.00	8.70	400.00	62.00
15.00	10.80	450.00	66.00
20.00	12.50	500.00	67.00

b. Existing Process Emission Units - 35 IAC 212.322

Existing Process Emission Units For Which Construction or Modification Commenced Prior to April 14, 1972. [35 IAC 212.322]

- i. No person shall cause or allow the emission of PM into the atmosphere in any one hour period from any process emission unit for which construction or modification commenced prior to April 14, 1972, which, either alone or in combination with the emission of PM from all other similar process emission units at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.322(c)). See Condition 7.2(b)(iii) below. [35 IAC 212.322(a)]
- ii. Interpolated and extrapolated values of the data in 35 IAC 212.322(c) shall be determined by using the equation: [35 IAC 212.322(b)]

$$E = C + A(P)^B$$

Where:

P = Process weight rate (T/hr)
E = Allowable emission rate (lbs/hr)

A. Process weight rates of less than 30 T/hr:

A = 4.10
B = 0.67
C = 0

B. Process weight rates greater than or equal to 30 T/hr:

A = 55.0
B = 0.11
C = -40.0

iii. Limits for Existing Process Emission Units: [35 IAC 212.322(c)]

<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>	<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>
0.05	0.55	25.00	35.40
0.10	0.87	30.00	40.00
0.2	1.40	35.00	41.30
0.30	1.83	40.00	42.50
0.40	2.22	45.00	43.60
0.50	2.58	50.00	44.60
0.75	3.38	100.00	51.20
1.00	4.10	150.00	55.40
2.00	6.52	200.00	58.60
3.00	8.56	250.00	61.00
4.00	10.40	300.00	63.10
5.00	12.00	350.00	64.90
10.00	19.20	400.00	66.20
15.00	25.20	450.00	67.70
20.00	30.50	500.00	69.00

3. 40 CFR 63 Subpart A Requirements (NESHAP)

a. 40 CFR 63 Subparts A and CCCCCC - Gasoline Dispensing Facilities

Pursuant to 40 CFR 63 Subparts A and CCCCCC, the Permittee shall comply with the following applicable General Provisions as indicated:

<i>General Provision Citation</i>	<i>Subject</i>	<i>Brief Description</i>	<i>Applies to 40 CFR 63 Subpart CCCCCC</i>
63.1	Applicability	Initial applicability determination; applicability after standard established; permit requirements; extensions, notifications	Yes, specific requirements given in 40 CFR 63.11111.
63.1(c) (2)	Title V Permit	Requirements for obtaining a title V permit from the applicable permitting authority	Yes, 40 CFR 63.11111(f) of subpart CCCCCC exempts identified area sources from the obligation to obtain title V operating permits.
63.2	Definitions	Definitions for part 63 standards	Yes, additional definitions in 40 CFR 63.11132.
63.3	Units and Abbreviations	Units and abbreviations for part 63 standards	Yes.
63.4	Prohibited Activities and Circumvention	Prohibited activities; Circumvention, severability	Yes.
63.5	Construction/Reconstruction	Applicability; applications; approvals	Yes, except that these notifications are not required for facilities subject to 40 CFR 63.11116
63.6(a)	Compliance with Standards/Operation & Maintenance-Applicability	General Provisions apply unless compliance extension; General Provisions apply to area sources that become major	Yes.
63.6(b) (1)-(4)	Compliance Dates for New and Reconstructed Sources	Standards apply at effective date; 3 years after effective date; upon startup; 10 years after construction or reconstruction commences for CAA section 112(f)	Yes.
63.6(b) (5)	Notification	Must notify if commenced construction or reconstruction after proposal	Yes.
63.6(b) (6)	[Reserved]		
63.6(b) (7)	Compliance Dates for New and Reconstructed Area Sources That Become Major	Area sources that become major must comply with major source standards immediately upon becoming major, regardless of whether required to comply when they were an area source	No.
63.6(c) (1)-(2)	Compliance Dates for Existing Sources	Comply according to date in this subpart, which must be no later than 3 years after effective date; for CAA section 112(f) standards, comply within 90 days of effective date unless compliance extension	No, 40 CFR 63.11113 specifies the compliance dates.
63.6(c) (3)-(4)	[Reserved]		
63.6(c) (5)	Compliance Dates for Existing Area Sources That Become Major	Area sources That become major must comply with major source standards by date indicated in this subpart or by equivalent time period (e.g., 3 years)	No.
63.6(d)	[Reserved]		

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

Section 7 - Other Requirements
7.3 - 40 CFR 63 Subpart A
Requirements (NESHAP)

<i>General Provision Citation</i>	<i>Subject</i>	<i>Brief Description</i>	<i>Applies to 40 CFR 63 Subpart CCCCC</i>
63.6(e) (1) (i)	General duty to minimize emissions	Operate to minimize emissions at all times; information Administrator will use to determine if operation and maintenance requirements were met.	No. See 40 CFR 63.11115 for general duty requirement.
63.6(e) (1) (ii)	Requirement to correct malfunctions ASAP	Owner or operator must correct malfunctions as soon as possible.	No.
63.6(e) (2)	[Reserved]		
63.6(e) (3)	Startup, Shutdown, and Malfunction (SSM) Plan	Requirement for SSM plan; content of SSM plan; actions during SSM	No.
63.6(f) (1)	Compliance Except During SSM	You must comply with emission standards at all times except during SSM	No.
63.6(f) (2) - (3)	Methods for Determining Compliance	Compliance based on performance test, operation and maintenance plans, records, inspection	Yes.
63.6(g) (1) - (3)	Alternative Standard	Procedures for getting an alternative standard	Yes.
63.6(h) (1)	Compliance with Opacity/Visible Emission (VE) Standards	You must comply with opacity/VE standards at all times except during SSM	No.
63.6(h) (2) (i)	Determining Compliance with Opacity/VE Standards	If standard does not State test method, use EPA Method 9 for opacity in appendix A of part 60 of this chapter and EPA Method 22 for VE in appendix A of part 60 of this chapter	No.
63.6(h) (2) (ii)	[Reserved]		
63.6(h) (2) (iii)	Using Previous Tests To Demonstrate Compliance With Opacity/VE Standards	Criteria for when previous opacity/VE testing can be used to show compliance with this subpart	No.
63.6(h) (3)	[Reserved]		
63.6(h) (4)	Notification of Opacity/VE Observation Date	Must notify Administrator of anticipated date of observation	No.
63.6(h) (5) (i), (iii) - (v)	Conducting Opacity/VE Observations	Dates and schedule for conducting opacity/VE observations	No.
63.6(h) (5) (ii)	Opacity Test Duration and Averaging Times	Must have at least 3 hours of observation with 30 6-minute averages	No.
63.6(h) (6)	Records of Conditions During Opacity/VE Observations	Must keep records available and allow Administrator to inspect	No.
63.6(h) (7) (i)	Report Continuous Opacity Monitoring System (COMS) Monitoring Data From Performance Test	Must submit COMS data with other performance test data	No.
63.6(h) (7) (ii)	Using COMS Instead of EPA Method 9	Can submit COMS data instead of EPA Method 9 results even if rule requires EPA Method 9 in appendix A of part 60 of this chapter, but must notify Administrator before performance test	No.
63.6(h) (7) (iii)	Averaging Time for COMS During Performance Test	To determine compliance, must reduce COMS data to 6-minute averages	No.

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

Section 7 - Other Requirements
7.3 - 40 CFR 63 Subpart A
Requirements (NESHAP)

<i>General Provision Citation</i>	<i>Subject</i>	<i>Brief Description</i>	<i>Applies to 40 CFR 63 Subpart CCCCC</i>
63.6(h) (7) (iv)	COMS Requirements	Owner/operator must demonstrate that COMS performance evaluations are conducted according to 40 CFR 63.8(e); COMS are properly maintained and operated according to 40 CFR 63.8(c) and data quality as 40 CFR 63.8(d)	No.
63.6(h) (7) (v)	Determining Compliance with Opacity/VE Standards	COMS is probable but not conclusive evidence of compliance with opacity standard, even if EPA Method 9 observation shows otherwise. Requirements for COMS to be probable evidence-proper maintenance, meeting Performance Specification 1 in appendix B of part 60 of this chapter, and data have not been altered	No.
63.6(h) (8)	Determining Compliance with Opacity/VE Standards	Administrator will use all COMS, EPA Method 9 (in appendix A of part 60 of this chapter), and EPA Method 22 (in appendix A of part 60 of this chapter) results, as well as information about operation and maintenance to determine compliance	No.
63.6(h) (9)	Adjusted Opacity Standard	Procedures for Administrator to adjust an opacity standard	No.
63.6(i) (1) - (14)	Compliance Extension	Procedures and criteria for Administrator to grant compliance extension	Yes.
63.6(j)	Presidential Compliance Exemption	President may exempt any source from requirement to comply with this subpart	Yes.
63.7(a) (2)	Performance Test Dates	Dates for conducting initial performance testing; must conduct 180 days after compliance date	Yes.
63.7(a) (3)	CAA Section 114 Authority	Administrator may require a performance test under CAA section 114 at any time	Yes.
63.7(b) (1)	Notification of Performance Test	Must notify Administrator 60 days before the test	Yes.
63.7(b) (2)	Notification of Re-scheduling	If have to reschedule performance test, must notify Administrator of rescheduled date as soon as practicable and without delay	Yes.
63.7(c)	Quality Assurance (QA)/Test Plan	Requirement to submit site-specific test plan 60 days before the test or on date Administrator agrees with; test plan approval procedures; performance audit requirements; internal and external QA procedures for testing	Yes.
63.7(d)	Testing Facilities	Requirements for testing facilities	Yes.
63.7(e) (1)	Conditions for Conducting Performance Tests	Performance test must be conducted under representative conditions	No, 40 CFR 63.11120(c) specifies conditions for conducting performance tests.
63.7(e) (2)	Conditions for Conducting Performance Tests	Must conduct according to this subpart and EPA test methods unless Administrator approves alternative	Yes.
63.7(e) (3)	Test Run Duration	Must have three test runs of at least 1 hour each; compliance is based on arithmetic mean of three runs; conditions when data from an additional test run can be used	Yes.
63.7(f)	Alternative Test Method	Procedures by which Administrator can grant approval to use an intermediate or major change, or alternative to a test method	Yes.
63.7(g)	Performance Test Data Analysis	Must include raw data in performance test report; must submit performance test data 60 days after end of test with the Notification of Compliance Status; keep data for 5 years	Yes.
63.7(h)	Waiver of Tests	Procedures for Administrator to waive performance test	Yes.

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

Section 7 - Other Requirements
7.3 - 40 CFR 63 Subpart A
Requirements (NESHAP)

<i>General Provision Citation</i>	<i>Subject</i>	<i>Brief Description</i>	<i>Applies to 40 CFR 63 Subpart CCCCC</i>
63.8(a) (1)	Applicability of Monitoring Requirements	Subject to all monitoring requirements in standard	Yes.
63.8(a) (2)	Performance Specifications	Performance Specifications in appendix B of 40 CFR part 60 apply	Yes.
63.8(a) (3)	[Reserved]		
63.8(a) (4)	Monitoring of Flares	Monitoring requirements for flares in 40 CFR 63.11 apply	Yes.
63.8(b) (1)	Monitoring	Must conduct monitoring according to standard unless Administrator approves alternative	Yes.
63.8(b) (2) - (3)	Multiple Effluents and Multiple Monitoring Systems	Specific requirements for installing monitoring systems; must install on each affected source or after combined with another affected source before it is released to the atmosphere provided the monitoring is sufficient to demonstrate compliance with the standard; if more than one monitoring system on an emission point, must report all monitoring system results, unless one monitoring system is a backup	No.
63.8(c) (1)	Monitoring System Operation and Maintenance	Maintain monitoring system in a manner consistent with good air pollution control practices	No.
63.8(c) (1) (i) - (iii)	Operation and Maintenance of Continuous Monitoring Systems (CMS)	Must maintain and operate each CMS as specified in 40 CFR 63.6(e) (1); must keep parts for routine repairs readily available; must develop a written SSM plan for CMS, as specified in 40 CFR 63.6(e) (3)	No.
63.8(c) (2) - (8)	CMS Requirements	Must install to get representative emission or parameter measurements; must verify operational status before or at performance test	No.
63.8(d)	CMS Quality Control	Requirements for CMS quality control, including calibration, etc.; must keep quality control plan on record for 5 years; keep old versions for 5 years after revisions	No.
63.8(e)	CMS Performance Evaluation	Notification, performance evaluation test plan, reports	No.
63.8(f) (1) - (5)	Alternative Monitoring Method	Procedures for Administrator to approve alternative monitoring	No.
63.8(f) (6)	Alternative to Relative Accuracy Test	Procedures for Administrator to approve alternative relative accuracy tests for continuous emissions monitoring system (CEMS)	No.
63.8(g)	Data Reduction	COMS 6-minute averages calculated over at least 36 evenly spaced data points; CEMS 1 hour averages computed over at least 4 equally spaced data points; data that cannot be used in average	No.
63.9(a)	Notification Requirements	Applicability and State delegation	Yes.
63.9(b) (1) - (2), (4) - (5)	Initial Notifications	Submit notification within 120 days after effective date; notification of intent to construct/reconstruct, notification of commencement of construction/reconstruction, notification of startup; contents of each	Yes.
63.9(c)	Request for Compliance Extension	Can request if cannot comply by date or if installed best available control technology or lowest achievable emission rate	Yes.
63.9(d)	Notification of Special Compliance Requirements for New Sources	For sources that commence construction between proposal and promulgation and want to comply 3 years after effective date	Yes.
63.9(e)	Notification of Performance Test	Notify Administrator 60 days prior	Yes.

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

Section 7 - Other Requirements
7.3 - 40 CFR 63 Subpart A
Requirements (NESHAP)

<i>General Provision Citation</i>	<i>Subject</i>	<i>Brief Description</i>	<i>Applies to 40 CFR 63 Subpart CCCCC</i>
63.9(f)	Notification of VE/Opacity Test	Notify Administrator 30 days prior	No.
63.9(g)	Additional Notifications when Using CMS	Notification of performance evaluation; notification about use of COMS data; notification that exceeded criterion for relative accuracy alternative	Yes, however, there are no opacity standards.
63.9(h) (1) - (6)	Notification of Compliance Status	Contents due 60 days after end of performance test or other compliance demonstration, except for opacity/VE, which are due 30 days after; when to submit to Federal vs. State authority	Yes, however, there are no opacity standards.
63.9(i)	Adjustment of Submittal Deadlines	Procedures for Administrator to approve change when notifications must be submitted	Yes.
63.9(j)	Change in Previous Information	Must submit within 15 days after the change	Yes.
63.10(a)	Recordkeeping/Reporting	Applies to all, unless compliance extension; when to submit to Federal vs. State authority; procedures for owners of more than one source	Yes.
63.10(b) (1)	Recordkeeping/Reporting	General requirements; keep all records readily available; keep for 5 years	Yes.
63.10(b) (2) (i)	Records related to SSM	Recordkeeping of occurrence and duration of startups and shutdowns	No.
63.10(b) (2) (ii)	Records related to SSM	Recordkeeping of malfunctions	No. See 40 CFR 63.11125(d) for recordkeeping of (1) occurrence and duration and (2) actions taken during malfunction.
63.10(b) (2) (iii)	Maintenance records	Recordkeeping of maintenance on air pollution control and monitoring equipment	Yes.
63.10(b) (2) (iv)	Records Related to SSM	Actions taken to minimize emissions during SSM	No.
63.10(b) (2) (v)	Records Related to SSM	Actions taken to minimize emissions during SSM	No.
63.10(b) (2) (vi) - (xi)	CMS Records	Malfunctions, inoperative, out-of-control periods	No.
63.10(b) (2) (xii)	Records	Records when under waiver	Yes.
63.10(b) (2) (xiii)	Records	Records when using alternative to relative accuracy test	Yes.
63.10(b) (2) (xiv)	Records	All documentation supporting Initial Notification and Notification of Compliance Status	Yes.
63.10(b) (3)	Records	Applicability determinations	Yes.
63.10(c)	Records	Additional records for CMS	No.
63.10(d) (1)	General Reporting Requirements	Requirement to report	Yes.
63.10(d) (2)	Report of Performance Test Results	When to submit to Federal or State authority	Yes.
63.10(d) (3)	Reporting Opacity or VE Observations	What to report and when	No.
63.10(d) (4)	Progress Reports	Must submit progress reports on schedule if under compliance extension	Yes.
63.10(d) (5)	SSM Reports	Contents and submission	No. See 40 CFR 63.11126(b) for malfunction

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
Date Issued: TBD

Section 7 - Other Requirements
7.3 - 40 CFR 63 Subpart A
Requirements (NESHAP)

<i>General Provision Citation</i>	<i>Subject</i>	<i>Brief Description</i>	<i>Applies to 40 CFR 63 Subpart CCCCC reporting requirements.</i>
63.10(e) (1)-(2)	Additional CMS Reports	Must report results for each CEMS on a unit; written copy of CMS performance evaluation; two-three copies of COMS performance evaluation	No.
63.10(e) (3) (i)-(iii)	Reports	Schedule for reporting excess emissions	No.
63.10(e) (3) (iv)-(v)	Excess Emissions Reports	Requirement to revert to quarterly submission if there is an excess emissions and parameter monitor exceedances (now defined as deviations); provision to request semiannual reporting after compliance for 1 year; submit report by 30th day following end of quarter or calendar half; if there has not been an exceedance or excess emissions (now defined as deviations), report contents in a statement that there have been no deviations; must submit report containing all of the information in 40 CFR 63.8(c) (7)-(8) and 63.10(c) (5)-(13)	No.
63.10(e) (3) (iv)-(v)	Excess Emissions Reports	Requirement to revert to quarterly submission if there is an excess emissions and parameter monitor exceedances (now defined as deviations); provision to request semiannual reporting after compliance for 1 year; submit report by 30th day following end of quarter or calendar half; if there has not been an exceedance or excess emissions (now defined as deviations), report contents in a statement that there have been no deviations; must submit report containing all of the information in 40 CFR 63.8(c) (7)-(8) and 63.10(c) (5)-(13)	No, 40 CFR 63.11130(K) specifies excess emission events for this subpart.
63.10(e) (3) (vi)-(viii)	Excess Emissions Report and Summary Report	Requirements for reporting excess emissions for CMS; requires all of the information in 40 CFR 63.10(c) (5)-(13) and 63.8(c) (7)-(8)	No.
63.10(e) (4)	Reporting COMS Data	Must submit COMS data with performance test data	No.
63.10(f)	Waiver for Recordkeeping/Reporting	Procedures for Administrator to waive	Yes.
63.11(b)	Flares	Requirements for flares	No.
63.12	Delegation	State authority to enforce standards	Yes.
63.13	Addresses	Addresses where reports, notifications, and requests are sent	Yes.
63.14	Incorporations by Reference	Test methods incorporated by reference	Yes.
63.15	Availability of Information	Public and confidential information	Yes.

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
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Section 8 - State Only Requirements

1. Permitted Emissions for Purposes of Fees

- a. The annual emissions from the source solely for purposes of "Duty to Pay Fees" of Condition 2.3(e), not considering insignificant activities as addressed by Section 6, shall not exceed the following: [Section 39.5(18) (a) (ii) of the Act]

<i>Pollutant</i>		<i>Tons/Year</i>
Volatile Organic Material	(VOM)	53.35
Sulfur Dioxide	(SO ₂)	146.44
Particulate Matter	(PM)	208.62
Nitrogen Oxides	(NO _x)	174.04
HAP, not included in VOM or PM	(HAP)	0.028
Total		582.478

- b. The overall source emissions shall be determined by adding emissions of the above pollutants from all emission units (not including insignificant activities) on a calendar year basis. The Permittee shall maintain records of annual emissions for fee purposes. [Section 39.5(18) (a) (ii) of the Act]

Attachment 1 - List of Emission Units at This Source

Section	Emission Units	Description
4.1	Boilers #1-#3 (21 mmBtu/hr) #4 (40.4 mmBtu/hr) Hot Water Heater (26 mmBtu/hr) HVAC (2.5 mmBtu/hr) South Heater (6.0 mmBtu/hr) East Heater (4.2 mmBtu/hr) West Heater (4.2 mmBtu/hr) Heater Make-Up (3.0 mmBtu/hr) Knox Box Heater (10.0 mmBtu/hr)	Four natural gas-fired boilers, each having the potential to burn #2 fuel oil or liquid petroleum gas as a back-up fuel alternative. Also, the boiler house contains a direct contact hot water heater, equipped with a low NO _x burner that is used to provide hot process water to the kill floor. This water heater may also run on liquid petroleum gas as an alternative fuel.
4.2	Pre-Evisceration Acid Cabinet Carcass Acid Wash Cabinet Pasteurization Cabinet Post-Pasteurization Cabinet Head Wash Cabinet	A decontamination system on the Kill Floor is used to ensure the safety and cleanliness of the meat being processed. In this system, beef carcasses pass through a Pre-Evisceration Acid Cabinet, a Carcass Acid Wash Cabinet, a Frigoscandia Pasteurization Cabinet, and a Post-Pasteurization Cabinet. In the Pre-Evisceration cabinet, a lactic, acetic, or citric acid solution may be sprayed on the outside of the beef carcass as it travels down the kill floor. Then, the carcass is gutted and continues to the Carcass Acid Wash Cabinet, where it may be dowsed again with acid solution. Next, in the a Frigoscandia Pasteurization Cabinet, the beef sides are dewatered in the water removal area, sprayed with hot steam, and then chilled with cold water. After this step, the beef sides pass through the Post-Pasteurization Cabinet where they may be sprayed with an acid solution before continuing to the Hot Box Cooler.
4.3	Blood Dryer (JO-BD-2) Blood Rendering Air System (JO-C-1) Raw Blood Tank, Blood Centrifuge/Coagulator, Inedible Pressers, Flotation Skimmings Tank Flotation Melt Tank, Milling Room Air, General Room Air	Raw blood is collected from the Kill Floor line or can be brought in under emergency situations from other facilities. This blood is processed further to recover the protein in order to make a blood meal product. The blood solids are coagulated by injected steam in an inclined, tubular vessel. The solids are then separated from the blood serum water in a solid bowl centrifuge. The solids slurry is passed into the Blood Dryer. The dried product is separated from the exhaust air via two heli-cyclone collectors and then blown to the Blood Silo for storage prior to load out.
4.4	Duske Bone Dryer (JO-BD-1) Maximum heat input capacity: 30.0 mmBtu/hr Edible Surge Bin (JO-RE-1) Edible Rotex (JO-RE-2) Forsberg #1 & #2 Gravity Tables (JO-RE-5/6) Edible Sweco Screen (JO-RE-7)	Edible rendering product is produced by transferring cooked meat and bone scraps to the Duske Bone Dryer. After drying, the dried product is collected in a cyclonic product collector where it is then transferred to the Edible Surge Bin located in the Edible Handling Building.

Section	Emission Units	Description
4.5	Dry Rendering Cookers (7 Units, JO-RC-1) Steam Drum Dryer (JO-RC-2) Lo Pro Surge Bin Air Lock (JO-LPAL-1) Lo Pro Surge Bin (JO-IR-3) Beef Crax Surge Bin (JO-IR-1) Pork Crax Surge Bin (JO-IR-2) Inedible Hammermills (2 Units, JO-IR-4) Inedible Rotaxes (2 units, JO-IR-5) Flotation Sweco Screen (JO-RC-7) Flotation Centrifuges (2) (JO-RE-3PHASES) Flotation Tallow Surge Tank Flotation Tallow Polisher/Clarifier Bile Kettle (JO-BK-1) Inedible Tallow Centrifuge (JO-GC-1)	<p>Raw meat and bone is transferred to seven dry rendering cookers where they are steam cooked and dried to 50% of their original weight. For further liquid draining, the resulting beef crax (bone) material is passed through perc pans and two inedible presses. The solid material is then conveyed to the beef crax surge bin. Concentrate from the evaporator is dried in the steam drum dryer.</p>
4.6	Two (2) Inedible Rendering Silos (JO-SILO-1-2) Two (2) Gel Bone Silos (JO-SILO-4,5) One(1)Blood Rendering Silo (JO-SILO-6) Two(2) Lime Silos (JO-WWTP-LIME,JO-WT-LIME)	<p>Silos serve to store material and products before they are loaded out for shipping, either via truck and railway. The Blood Silo receives dried blood product from Blood Rendering. This product is pneumatically blown to the Blood Rail Load Out Air Lock for rail shipment. Inedible Silos store 50% Meat and Bone Meal or unblended Lo Pro. The meal can either be transferred out by rail or to the Truck Load Out Air Lock for truck shipping.</p> <p>Two lime silos located at the Joslin facility. One of these is used for Tannery operations and another is used in the Wastewater Treatment Plant.</p>
4.7	Truck Load Out Air Lock (JO-TAL-1) Truck Load Out (JO-TRUCK-1) Rail Load Out (JO-RAIL-1) Blood Rail Load Out (JO-BBH-1) Blood Truck Load Out (JO-BLDTRUCK-1)	<p>Several products - 50% Meat and Bone Meal with or without Lo Pro, Gel Bone, and Small Bone - produced at the Joslin facility can be loaded out by either truck or rail. For truck rail load out, these materials pass first from their respective silos to the Truck Load Out Air Lock. The actual truck loading of these rendered products takes place inside a Truck Load Out room where the doors can be closed during loading. The rail loading is performed in the Rail Load Out area, which is located outside of the building and does not employ any control device.</p>
4.8	Hide Splitter (JO-HS-1)	<p>The Hide Splitter in the Tannery serves to split each hide into two thinner layers. The cutting is performed by a blade, which runs against cutting stones.</p>
4.9	Three(3) Anaerobic Wastewater Lagoons each with a Cover Two(2) Covered Equalization Basins Ducted to an Aeration Basin	<p>The source has a wastewater treatment plant to treat wastewater generated at the beef processing complex. The wastewater treatment plant contains three covered anaerobic lagoons and two covered Flow Equalization Basins (FEB) connected to an aeration basin. The three anaerobic lagoons are equipped with covers and vent to a common scrubber and flare control system. An air from FEB is diffused into the Aeration Basin via fine bubble diffusers.</p>

Attachment 2 - Acronyms and Abbreviations

acfm	Actual cubic feet per minute
ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment trading unit
BACT	Best Available Control Technology
BAT	Best Available Technology
Btu	British Thermal Units
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAIR	Clean Air Interstate Rule
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CISWI	Commercial Industrial Solid Waste Incinerator
CO	Carbon monoxide
CO ₂	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
°F	Degrees Fahrenheit
GHG	Green house gas
GACT	Generally Acceptable Control Technology
gr	Grains
HAP	Hazardous air pollutant
Hg	Mercury
HMIWI	Hospital medical infectious waste incinerator
hp	Horsepower
hr	Hour
H ₂ S	Hydrogen sulfide
I.D. No.	Identification number of source, assigned by IEPA
IAC	Illinois Administrative Code
ILCS	Illinois Compiled Statutes
IEPA	Illinois Environmental Protection Agency
kw	Kilowatts
LAER	Lowest Achievable Emission Rate
lbs	Pound
m	Meter

Tyson Fresh Meats, Inc.
I.D. No.: 161817AAA
Permit No.: 01040050

Date Received: 03/06/2020
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MACT	Maximum Achievable Control Technology
M	Thousand
MM	Million
mos	Month
MSDS	Material Safety Data Sheet
MSSCAM	Major Stationary Sources Construction and Modification (Non-attainment New Source Review)
MW	Megawatts
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PB	Lead
PEMS	Predictive Emissions Monitoring System
PM	Particulate matter
PM ₁₀	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
PM _{2.5}	Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
PSD	Prevention of Significant Deterioration
PSEU	Pollutant-Specific Emission Unit
psia	Pounds per square inch absolute
PTE	Potential to emit
RACT	Reasonable Available Control Technology
RMP	Risk Management Plan
scf	Standard cubic feet
SCR	Selective catalytic reduction
SIP	State Implementation Plan
SO ₂	Sulfur dioxide
T1	Title I - identifies Title I conditions that have been carried over from an existing permit
T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOM	Volatile organic material

Attachment 3 - Contact and Reporting Addresses

<p>IEPA Compliance Section</p>	<p>Illinois EPA, Bureau of Air Compliance & Enforcement Section (MC 40) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p>
<p>IEPA Stack Test Specialist</p>	<p>Illinois EPA, Bureau of Air Compliance Section Source Monitoring - Third Floor 9511 Harrison Street Des Plaines, Illinois 60016</p> <p>Phone No.: 847/294-4000</p>
<p>IEPA Air Quality Planning Section</p>	<p>Illinois EPA, Bureau of Air Air Quality Planning Section (MC 39) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p>
<p>IEPA Air Regional Field Operations Regional Office #2</p>	<p>Illinois EPA, Bureau of Air Regional Office #2 412 SW Washington Street, Suite D Peoria, Illinois 61602</p> <p>Phone No.: 309/671-3022</p>
<p>IEPA Permit Section</p>	<p>Illinois EPA, Bureau of Air Permit Section (MC 11) 1021 North Grand Avenue East P.O. Box 19506 Springfield, Illinois 62794-9506</p> <p>Phone No.: 217/785-1705</p>
<p>USEPA Region 5 - Air Branch</p>	<p>USEPA (AR - 17J) Air and Radiation Division 77 West Jackson Boulevard Chicago, Illinois 60604</p> <p>Phone No.: 312/353-2000</p>

Attachment 4 - Example Certification by a Responsible Official

SIGNATURE BLOCK	
NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED AS INCOMPLETE.	
I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE. ANY PERSON WHO KNOWINGLY MAKES A FALSE, FICTITIOUS, OR FRAUDULENT MATERIAL STATEMENT, ORALLY OR IN WRITING, TO THE ILLINOIS EPA COMMITS A CLASS 4 FELONY. A SECOND OR SUBSEQUENT OFFENSE AFTER CONVICTION IS A CLASS 3 FELONY. (415 ILCS 5/44(H))	
AUTHORIZED SIGNATURE:	
BY: _____	_____
AUTHORIZED SIGNATURE	TITLE OF SIGNATORY
_____	_____/_____/_____
TYPED OR PRINTED NAME OF SIGNATORY	DATE

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