


# STATEMENT OF BASIS TO RENEW A CLASS I (TITLE V) PERMIT TO OPERATE A MAJOR SOURCE OF AIR CONTAMINANTS, & STATEMENT OF BASIS FOR A MINOR-NSR CONSTRUCTION PERMIT

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<b>LLCHD Air Quality Program Source Number:</b>	<b>00032</b>
<b>Proposed Class I (Title V) Permit Issue Date:</b>	<b>DATE TBD</b>

Lincoln-Lancaster County Health Department (LLCHD) has made the preliminary determination to issue a Title V permit to operate a Class I source to the following:

Permit Holder Name:	<b>Smithfield Packaged Meats Corp. – Lincoln, Nebraska</b>
Address:	<b>200 S. 2<sup>nd</sup> Street</b>
City, County, State, ZIP:	<b>Lincoln, Nebraska 68508</b>

The proposed permit renewal allows for continued operation of the following source:

Facility Site Name:	<b>Smithfield Packaged Meats Corp. – Lincoln, Nebraska</b>
Facility Address:	<b>200 S. 2<sup>nd</sup> Street</b>
City, County, State, ZIP:	<b>Lincoln, Lancaster County, Nebraska 68508</b>
Facility NAICS:	<b>311612: Meat Processed from Carcasses</b>

In accordance with requirements set forth under Article 2, Sections 13 and 14 of the Lincoln-Lancaster County Air Pollution Control Program Regulations and Standards (LLCAPCPRS), the LLCHD may not issue, significantly modify, or renew a Class I (Title V) operating permit until the public, the U.S. Environmental Protection Agency (US EPA), and affected states have been given the opportunity to comment on the draft permit.

Within the 30-day public comment period, any interested person, agency, group, or affected state may request or petition the Director of the LLCHD for a public hearing. All requests for public hearing must be made in writing and must state the nature of the issues to be raised and all arguments and factual grounds supporting their position. If a public hearing is granted by the Director, the hearing will be advertised by public notice at least 30 days prior to its occurrence.

The U.S. EPA may elect to either utilize or waive their 45-day review period following completion of the public comment period. Within the 45-day review period, the U.S. EPA may submit comments on the proposed draft.

A final determination on this permit will be made following the opportunity of the public, the US EPA, and affected states to review and comment on the draft permit, and any/all comments received have been addressed. The conclusion of this document will include a recommendation to either approve or deny the renewal of a Class I (Title V) operating permit for this source.

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### **Section 1 – Introduction**

Smithfield Packaged Meats Corp. (hereinafter referred to as ‘Smithfield’, ‘the owner/operator’, or ‘the source’) has applied to obtain a Class I (Title V) operating permit for the Lincoln, Nebraska facility. Smithfield submitted the initial air quality operating permit application on June 30, 2020 after determining that carbon monoxide emissions from the facility exceed major source thresholds. Prior to issuance of this permit, Smithfield held a Class II operating permit as a ‘synthetic minor’ source of air pollutant emissions. The most recent Class II operating permit renewal was issued on April 16, 2018.

Article 2, Section 5 of the Lincoln-Lancaster County Health Department Air Pollution Control Program Regulations and Standards (LLCAPCPRS) requires that significant sources of air pollutants apply for operating permits. Sources that are required to apply for Class I operating permits are those defined as a major source under the criteria set forth in Article 2, Section 2, paragraph (G) of the LLCAPCPRS based on their potential to emit, and sources subject to certain federal emission standards.

Smithfield will operate their Lincoln, Nebraska facility as a major source of criteria air pollutants, as the maximum potential emissions from this source exceed major source thresholds. This source is considered an ‘area source’ for hazardous air pollutants, as the maximum potential emissions of combined HAPs are lower than the ‘major source’ threshold of 25.0 tons per year, and all individual HAP emissions are lower than 10.0 tons per year. The facility has accepted federally enforceable limits on production in Construction Permit No. 224 that will maintain emissions below PSD major source thresholds.

## **Section 2 – Permitting History**

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### **2.01 – Class II Operating Permit History**

This facility previously operated as a Class II ‘synthetic minor’ source for several years, before later being classified as a ‘true’ minor source based on emissions data that was available at the time. The facility has also operated under several names, initially as Cook’s Hams, then Farmland Foods. A brief description of the Class II operating permit history for this facility is provided as follows:

- Initial Class II Operating Permit – February 10, 2000: The initial Class II operating permit allowed for operation of emissions units in place at the facility at that time, which included 1 dual-fuel boiler (natural gas / fuel oil), 1 natural gas-fired boiler, 11 smokehouses, and 4 natural gas-fired internal combustion engines. Potential emissions exceeded Class I operating permit thresholds, but a limit on meat usage in production maintained actual emissions below Class I permit levels.
- Class II Operating Permit Renewal – December 21, 2005: The 2005 operating permit renewal allowed for operation of the same emission units included in the initial operating permit, with the addition of a ‘Monroe Filter’ associated with the vacuum packaging operation. This unit was not a new unit but had not been previously included in the permit. The permit established lower limits on meat usage in production, and established fuel use limits for the boilers and engines. Operating requirements were also established for the engines to ensure that engine load did not exceed a threshold at which much higher emission factors would need to be used.
- Class II Operating Permit Modification – July 7, 2008: The 2005 operating permit modification allowed for the installation of Smokehouse #12 (EU 14-2) and an associated water scrubber. Potential emissions evaluated at the time did not exceed construction permit thresholds, but the revision was considered a significant permit modification.
- Class II Operating Permit Renewal – May 9, 2012: The 2012 operating permit renewal was based largely on the previously-issued modification but did contain some notable changes. The most significant changes pertained to operation of the 4 natural gas-fired engines. Data received from the owner/operator at the time indicated that the potential to emit NO<sub>x</sub> and CO from the engines, in and of themselves, would exceed Class I permit thresholds. Additional calculations showed that simply complying with the limits on fuel use for the engines would be difficult to demonstrate, as the engines did not have their own gas meters. This meant the Department may not have been able to verify that facility-wide emissions remained below Class I permit thresholds. The renewed operating permit required that hours of operation of the engines be limited such that facility-wide emissions remained below Class I permit thresholds. In addition, limits were added to the permit that required a minimum loading weight for meat in the smokehouses. This was based on the process weight-rate emission limits in LLCAPCRS Article 2, Section 20. It was found that, on a batch production basis, if the combined weight of sawdust and meat used in the smoking cycle was below certain thresholds, the particulate emissions exceeded the process weight-rate emission limits. The identified solution was to require a minimum loading rate for the smokehouses.
- Class II Operating Permit Modification – December 9, 2013: The 2013 operating permit modification was performed to reflect the removal of two of the four natural gas-fired engines from the facility. As a result of their removal, more flexibility was allowed for the remaining two engines. The permit modification also incorporated applicable Federal Regulations for the engines into the conditions of the permit.
- Class II Operating Permit Modification – November 15, 2014: The 2014 operating permit modification was performed to reflect the replacement of EU 1-1 (Boiler #3) with a new boiler (Boiler #4). The new boiler came with a higher heat input rating, and as a result, had a higher

potential to emit. The higher potential to emit would have resulted in the facility exceeding Class I permit thresholds for CO emissions. To maintain the facility's synthetic minor status, the facility agreed to continue operating under the previously established synthetic minor limitations. Federal Regulations applicable to the new boiler were also added to the permit at that time.

- Class II Operating Permit Renewal – May 15, 2017: The 2017 operating permit renewal retained the same synthetic minor source operating limitations established in the 2014 permit modification, and other requirements of the 2017 renewal remained largely unchanged from the 2014 permit modification, aside from changes in numbering, formatting, and minor language updates.
- Class II Operating Permit Modification – April 16, 2018: The operating permit was modified in 2018 to reflect the removal of the remaining two natural gas-fired engines. All permit conditions and requirements associated with the engines were removed from the permit. The potential emissions from the facility following removal of the engines were reduced to less than major source thresholds, while still exceeding the Class II operating permit thresholds. As a result, the facility was reclassified as a Class II 'minor' source, no longer a 'synthetic minor source'.

## 2.02 – Construction Permit History

There is no history of construction permit issuances associated with this source.

## 2.08 – Proposed Permitting Action(s)

This document serves as the factual and legal basis for the following:

- Initial issuance of a Class I (Title V) operating permit for this facility. Emissions data gathered from testing of smokehouse emissions at another facility owned by Smithfield has shown that carbon monoxide (CO) emissions from the smokehouse process are higher than previously determined using AP-42 emission factors, and as such, potential emissions of CO from this facility exceed the Class I (Title V) operating permit threshold of 100 tons per year.
- Issuance of Construction Permit #224 for this facility, which will serve to establish a federally enforceable limit on wood chip use in the smokehouses. This limit will ensure that emissions of CO are maintained at levels that are less than the 'major source' thresholds for purposes of Prevention of Significant Deterioration of Air Quality (PSD). As this source is not one of the listed source categories that becomes a PSD major source at 100 tons of regulated pollutant emissions, their PSD major source threshold is 250 tons per year. The proposed construction permit will effectively limit smokehouse CO emissions to a level that, when combined with potential CO emissions from other units at this source, will ensure that facility-wide emissions of CO remain below 250 tons.

The sections that follow provide more information on the source, the nature of emissions from the source, evaluation of the potential to emit, and a discussion of conditions set forth in the draft permit.

## Section 3 – Source Characterization

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### 3.01 – Source Description

The primary operation for this permit is a meat processing facility. The operations at this facility can be categorized as follows:

- Receiving of carcasses/parts of hogs butchered at another facility;
- Curing/smoking of received hog carcasses/parts;
- Packaging of cured/smoked finished products;
- Refrigeration of finished products; and
- Shipping/distribution of finished products.

**3.02 – Significant Sources of Air Pollution**

For the purpose of the proposed operating permit, the following emission units constitute the ‘Permitted Source’:

Emission Unit (EU) #	SCC Code	Emission Point Description	Emission Segment Description
1-1	1-02-006-02	Boiler #4 (25.0 MMBtu/hr)	Natural Gas
2-1	1-02-006-03	Boiler #2 (8.37 MMBtu/hr)	Natural Gas
3-1	3-02-013-02	Smokehouse #1 – Batch Smoking Cycle (24 lb/hr)	Wood
3-2	3-02-900-03	Smokehouse #1 – Process Heater (1.65 MMBtu/hr)	Natural Gas
4-1	3-02-013-02	Smokehouse #2 – Batch Smoking Cycle (24 lb/hr)	Wood
4-2	3-02-900-03	Smokehouse #2 – Process Heater (1.65 MMBtu/hr)	Natural Gas
5-1	3-02-013-02	Smokehouse #3 – Batch Smoking Cycle (24 lb/hr)	Wood
5-2	3-02-900-03	Smokehouse #3 – Process Heater (3.85 MMBtu/hr)	Natural Gas
6-1	3-02-013-02	Smokehouse #4 – Batch Smoking Cycle (24 lb/hr)	Wood
6-2	3-02-900-03	Smokehouse #4 – Process Heater (3.85 MMBtu/hr)	Natural Gas
7-1	3-02-013-02	Smokehouse #5 – Batch Smoking Cycle (24 lb/hr)	Wood
7-2	3-02-900-03	Smokehouse #5 – Process Heater (3.85 MMBtu/hr)	Natural Gas
8-1	3-02-013-02	Smokehouse #6 – Batch Smoking Cycle (24 lb/hr)	Wood
8-2	3-02-900-03	Smokehouse #6 – Process Heater (3.85 MMBtu/hr)	Natural Gas
9-1	3-02-013-02	Smokehouse #7 – Batch Smoking Cycle (24 lb/hr)	Wood
9-2	3-02-900-03	Smokehouse #7 – Process Heater (3.85 MMBtu/hr)	Natural Gas
10-1	3-02-013-02	Smokehouse #8 – Batch Smoking Cycle (24 lb/hr)	Wood
10-2	3-02-900-03	Smokehouse #8 – Process Heater (3.85 MMBtu/hr)	Natural Gas
11-1	3-02-013-02	Smokehouse #9 – Batch Smoking Cycle (24 lb/hr)	Wood
11-2	3-02-900-03	Smokehouse #9 – Process Heater (3.85 MMBtu/hr)	Natural Gas
12-1	3-02-013-02	Smokehouse #10 – Batch Smoking Cycle (24 lb/hr)	Wood
12-2	3-02-900-03	Smokehouse #10 – Process Heater (3.85 MMBtu/hr)	Natural Gas
13-1	3-02-013-02	Smokehouse #11 – Batch Smoking Cycle (24 lb/hr)	Wood
13-2	3-02-900-03	Smokehouse #11 – Process Heater (3.85 MMBtu/hr)	Natural Gas
14-1	3-02-013-02	Smokehouse #12 – Batch Smoking Cycle (24 lb/hr)	Wood
14-2	3-02-900-03	Smokehouse #12 – Process Heater (3.85 MMBtu/hr)	Natural Gas
21-1	2-53-500-00	Bulk Salt Receiving (2 Brine Tanks)	Fugitive Particulate

\* For the purposes of this permit, ‘Wood’ is defined as chips and sawdust derived from hardwoods and fruitwoods which are placed in an electric-heated smoke generator.

**3.03 – Insignificant Activities**

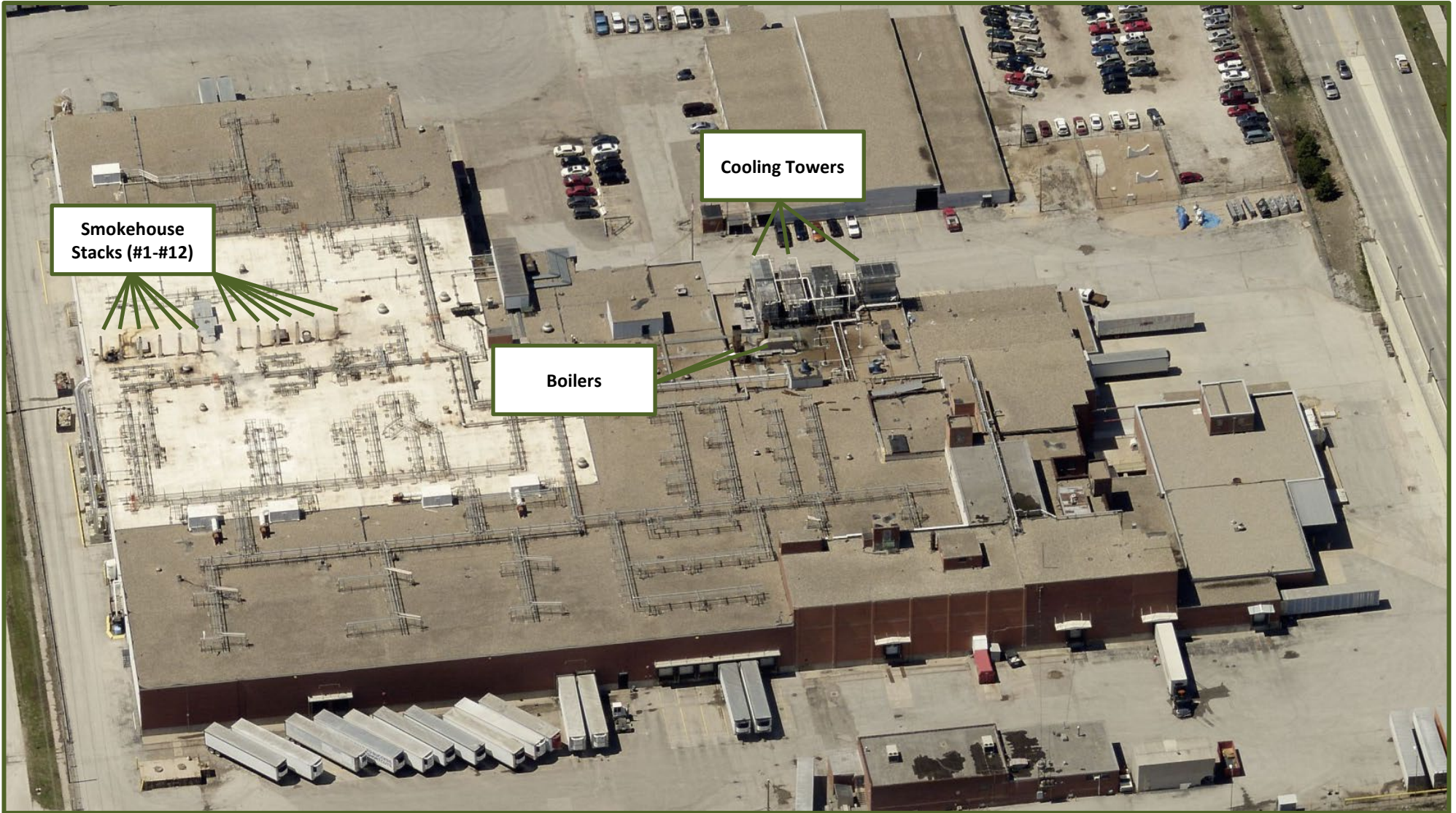
The LLCHD utilizes the same ‘Insignificant Activities’ list as the Nebraska Department of Environmental Quality. Under that list, stationary external combustion units 10.0 MMBtu/hr or less combusting natural gas, fuel storage and distribution equipment at Class I sources with aggregate annual throughput of less than 1 million gallons for the entire site, and cooling towers with a circulating capacity of less than 2,000 gallons per minute are considered insignificant.

For the purpose of this operating permit, the following activities are considered insignificant sources of emissions:

Insignificant Activity	Description
Comfort Heating / HVAC	(1) 0.5 MMBtu/hr computer room unit
Comfort Heating / HVAC	(2) 0.5 MMBtu/hr breakroom building units
Comfort Heating / HVAC	(3) 0.5 MMBtu/hr locker room units
Comfort Heating / HVAC	(2) 0.5 MMBtu/hr warehouse units
Comfort Heating / HVAC	(1) 2.0 MMBtu/hr maintenance unit
Comfort Heating / HVAC	(1) 1.8 MMBtu/hr engine room unit
Comfort Heating / HVAC	(1) 1.4MMBtu/hr boiler room unit
Area Room Heaters	(2) Smokehouse Area Room Heaters (A & B) - both less than 1.0 MMBtu/hr
Dehumidification Units	(3) Dehumidification Units (#1-#3) - all less than 3.0 MMBtu/hr
Water Heater	(1) 0.075 MMBtu/hr cafeteria water heater
Maintenance Parts Washers	Solvent use resulting from small parts washing units.
Diesel Fuel Storage	285-Gallon Diesel Tank for Fueling Mobile Units
Sanitizing Heaters	(2) 3.1 MMBtu/hr RMAU processing area

### 3.04 – Source Aerial View

The following image is an aerial view of the Smithfield Packaged Meats Corp. Lincoln facility.



**Section 4 – Emission Characterization**

**4.01 – Emission Calculation Factors and Methods**

The procedures for performing emission calculations are provided in the Class I permit application, as well as supplementary emission calculation spreadsheets supplied with the application package submitted on June 29, 2020, as well as the updated application submitted on October 4, 2023.

**4.02 – Maximum Potential to Emit (MPTE)**

Pursuant to LLCAPCRS Article 2, Section 1, paragraph 125, a facility’s maximum ‘potential to emit’ is the “*maximum capacity of a stationary source to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design if the limitation or the effect it would have on emissions is federally enforceable.*” For the purposes of this Statement of Basis, the facility’s maximum potential to emit will be based on restrictions on material processed that have been established as federally enforceable limitations on source capacity.

**4.02.01 –MPTE: Criteria Air Pollutants**

These figures represent the MPTE under federally enforceable requirements to limit throughput/emissions and operate control equipment pursuant to the conditions and requirements set forth in Construction Permit #224. The following emissions are derived from the approved application.

Emission Unit	Maximum Annual Process Rate	PM <sub>10</sub> (lbs/yr)	PM <sub>2.5</sub> (lbs/yr)	NO <sub>x</sub> (lbs/yr)	SO <sub>x</sub> (lbs/yr)	VOC (lbs/yr)	CO (lbs/yr)	CO <sub>2e</sub> (lbs/yr)	LEAD (lbs/yr)	Total HAP (lbs/yr)
1-1	214.71 MMcf	111.65	92.32	21,471	128.80	1,181.0	18,035	25,644,451	0.11	405.07
2-1	71.92 MMcf	37.38	30.91	7,188.0	43.13	395.36	6,038.0	8,585,762	0.04	135.62
3-1	41.67 tons-wood	5,833.3	5,833.3	-	-	708.33	30,833	-	-	-
3-2	14.02 MMcf	7.37	6.09	708.53	8.50	77.94	-	1,692,534	0.01	26.73
4-1	41.67 tons-wood	5,833.3	5,833.3	-	-	708.33	30,833	-	-	-
4-2	14.02 MMcf	7.37	6.09	708.53	8.50	77.94	-	1,692,534	0.01	26.73
5-1	41.67 tons-wood	5,833.3	5,833.3	-	-	708.33	30,833	-	-	-
5-2	33.29 MMcf	17.20	14.20	1,653.0	19.84	181.86	-	3,949,245	0.02	62.38
6-1	41.67 tons-wood	5,833.3	5,833.3	-	-	708.33	30,833	-	-	-
6-2	33.29 MMcf	17.20	14.20	1,653.0	19.84	181.86	-	3,949,245	0.02	62.38
7-1	41.67 tons-wood	5,833.3	5,833.3	-	-	708.33	30,833	-	-	-
7-2	33.29 MMcf	17.20	14.20	1,653.0	19.84	181.86	-	3,949,245	0.02	62.38
8-1	41.67 tons-wood	5,833.3	5,833.3	-	-	708.33	30,833	-	-	-
8-2	33.29 MMcf	17.20	14.20	1,653.0	19.84	181.86	-	3,949,245	0.02	62.38



Emission Unit	Maximum Annual Process Rate	PM <sub>10</sub> (lbs/yr)	PM <sub>2.5</sub> (lbs/yr)	NO <sub>x</sub> (lbs/yr)	SO <sub>x</sub> (lbs/yr)	VOC (lbs/yr)	CO (lbs/yr)	CO <sub>2e</sub> (lbs/yr)	LEAD (lbs/yr)	Total HAP (lbs/yr)
9-1	41.67 tons-wood	5,833.3	5,833.3	-	-	708.33	30,833	-	-	-
9-2	33.29 MMcf	17.20	14.20	1,653.0	19.84	181.86	-	3,949,245	0.02	62.38
10-1	41.67 tons-wood	5,833.3	5,833.3	-	-	708.33	30,833	-	-	-
10-2	33.29 MMcf	17.20	14.20	1,653.0	19.84	181.86	-	3,949,245	0.02	62.38
11-1	41.67 tons-wood	5,833.3	5,833.3	-	-	708.33	30,833	-	-	-
11-2	33.29 MMcf	17.20	14.20	1,653.0	19.84	181.86	-	3,949,245	0.02	62.38
12-1	41.67 tons-wood	5,833.3	5,833.3	-	-	708.33	30,833	-	-	-
12-2	33.29 MMcf	17.20	14.20	1,653.0	19.84	181.86	-	3,949,245	0.02	62.38
13-1	41.67 tons-wood	5,833.3	5,833.3	-	-	708.33	30,833	-	-	-
13-2	33.29 MMcf	17.20	14.20	1,653.0	19.84	181.86	-	3,949,245	0.02	62.38
14-1	41.67 tons-wood	1,208.3	1,208.3	-	-	708.33	30,833	-	-	-
14-2	33.29 MMcf	17.20	14.20	1,653.0	19.84	181.86	-	3,949,245	0.02	62.38
21-1	6,592.00 tons-salt	164.8	-	-	-	-	-	-	-	-
<b>Total Emissions (lbs/yr)</b>		65,876	65,652	46,606	387.33	12,051	394,073	77,107,731	0.327	1,218.0
<b>Total Emissions (tons/yr)</b>		32.94	32.83	23.30	0.19	6.03	197.04	38,554	<0.01	0.61

The values in the cells shaded in **green** are based on the combined maximum potential wood throughput allowed through the smokehouses (500 tons/yr ÷ 12 smokehouses). These figures do not represent maximum allowable throughput for each individual smokehouse unit.

**4.02.02 – MPTE: Hazardous Air Pollutants (HAPs)**

The HAPs from this facility are those typically associated with natural gas combustion and wood. As reflected in Section 4.02.01, total combined HAPs for this facility are less than 1 ton, meaning emissions of the greatest individual HAP are still well below the HAP major source threshold of 10 tons/year, and total HAP emissions are well below the HAP major source threshold of 25 tons/year.

**4.02.03 – MPTE: Permit Threshold Evaluation**

The following table summarizes the source’s maximum potential to emit, and compares it to applicable Class I and Class II operating permit thresholds:

Criteria Pollutant	Emissions (tpy)	Class II Permitting Threshold	Meet or Exceed?	Class I Permitting Threshold	Meet or Exceed?
PM <sub>10</sub>	32.94	≥ 15 tpy	Yes	≥ 100 tpy	No
PM <sub>2.5</sub>	32.83	N/A	N/A	N/A	N/A
NO <sub>x</sub>	23.30	≥ 40 tpy	No	≥ 100 tpy	No
SO <sub>x</sub>	0.19	≥ 40 tpy	No	≥ 100 tpy	No
VOC	6.03	≥ 40 tpy	No	≥ 100 tpy	No
CO	197.04	≥ 50 tpy	Yes	≥ 100 tpy	Yes
Lead	<0.01	≥ 0.6 tpy	No	≥ 5 tpy	No
CO <sub>2e</sub>	38,554	N/A	N/A	N/A	N/A
Hazardous Air Pollutant	Emissions (tpy)	Class II Permitting Threshold	Meet or Exceed?	Class I Permitting Threshold	Meet or Exceed?
Greatest Single HAP	<0.61	≥ 2.5 tpy	No	≥ 10.0 tpy	No
Total Combined HAPs	0.61	≥ 10.0 tpy	No	≥ 25.0 tpy	No

**4.03 – Limited and Controlled Potential to Emit (LCPTE)**

The ‘Potential to Emit’ for this facility incorporates limits on emissions and/or operation that will be established as federally enforceable conditions of Construction Permit #224. The owner/operator has not elected to institute further limitations on emissions/operation in the approved application. As a result, the ‘Limited and Controlled Potential to Emit’ is the same as the ‘Maximum Potential to Emit’ and will not be evaluated further.

**4.04 – Permit Threshold Evaluation**

As reflected in the table in Section 4.02.03, emissions from this source are of sufficient quantities as to qualify for a Class I operating permit. This source will be classified as a ‘major source’ of air pollution for Class I (Title V) operating permit purposes. This source will be classified as an ‘area source’ of HAP emissions, as the potential to emit both individual and total combined HAPs is project to remain lower than the major source thresholds for the duration of the operating permit.

At the time of issuance of the Class I operating permit, the source will not be classified as a ‘major source’ of air pollution for ‘Prevention of Significant Deterioration of Air Quality’ (PSD) purposes. In accordance with Article 2, Section 2, paragraph (H) of the LLCAPCPRS (which also references NAC Title 129, Chapter 2), a source is a ‘major source’ for PSD purposes if it emits a regulated pollutant in quantities greater than 100 tons/year AND if it falls into a listed category (refer to Title 129, Chapter 2, section 008.01). For sources that do not fall into one of the listed categories, the PSD major source threshold is 250 tons/year. At the time of permit issuance, the highest potential to emit any PSD regulated pollutant is for Carbon monoxide (CO), which is emitted at just under 250 tons/year.

**Section 5 – Applicable and Non-Applicable Regulations & Requirements**

**5.01 – Class I Operating Permit Applicable and Non-Applicable Regulations**

**5.01.01 – Applicable Regulations under the LLCAPCPRS**

(A) The following sections (§) of the LLCAPCPRS are requirements of this permit:

**Table 1-A: Applicable Regulations of the LLCAPCPRS**

<b>Article 1: Administration and Enforcement</b>	
§1	Intent
§2	Unlawful Acts – Permits Required
§3	Violations – Hearings – Orders
§4	Appeal Procedure
§5	Variance
§6	Annual Fees
§7	Compliance – Actions to Enforce – Penalties for Non-Compliance
§8	Procedure for Abatement
§9	Severability
<b>Article 2: Regulations and Standards</b>	
§1	Definitions
§2	Major Sources – Defined
§5	Operating Permits – When Required
§6	Emissions Reporting – When Required
§7	Operating Permits – Application
§8	Operating Permits – Content
§11	Emergency Operating Permits – Defense
§12	Operating Permit Renewal and Expiration
§13	Class I Operating Permit – EPA Review – Affected States Review
§14	Permits – Public Participation
§15	Operating Permit Modifications – Reopening for Cause
§16	Stack Heights – Good Engineering Practice (GEP)
§17	Construction Permits – When Required
§18	New Source Performance Standards (NSPS)
§20	Particulate Emissions – Limitations and Standards
§23	Hazardous Air Pollutants – Emission Standards
§24	Sulfur Compound Emissions – Existing Sources – Emission Standards
§27	Hazardous Air Pollutants – Maximum Achievable Control Technology (MACT)
§29	Operating Permit Emission Fees
§32	Dust – Duty to Prevent Escape Of
§33	Compliance – Time Schedule For
§34	Emission Sources – Testing – Monitoring
§35	Compliance – Exceptions Due to Startup Shutdown or Malfunction
§36	Control Regulations – Circumvention – When Excepted
§37	Compliance – Responsibility of Owner/Operator Pending Review by Director
§38	Emergency Episodes – Occurrence and Control – Contingency Plans
<b>Appendices</b>	
I	Emergency Emission Reduction Regulations
II & III	Hazardous Air Pollutants (HAPs)

**5.01.02 – Applicable Federal Regulations**

(B) The following Federal Regulations, including those not currently delegated to the LLCHD or not yet included in the LLCAPCPRS, are requirements of this permit:

**Table 1-B: Applicable Federal Regulations**

<b>40 CFR Part 60: New Source Performance Standards (NSPS)</b>	
<i>Subpart</i>	<i>Subpart Subject</i>
A	General Provisions
Dc	Small Industrial/Commercial/Institutional (ICI) Steam Generating Units
<b>40 CFR Part 61: National Emission Standards for Hazardous Air Pollutants (NESHAPs)</b>	
<i>Subpart</i>	<i>Subpart Subject</i>
A	General Provisions
M	Asbestos
<b>40 CFR Part 68: Chemical Accident Prevention Provisions</b>	
<b>40 CFR Part 82: Protection of the Stratospheric Ozone</b>	

**5.01.03 – Non-Applicable Local Regulations**

(C) The following sections of the LLCAPCPRS are not requirements of this permit:

**Table 1-C: LLCAPCPRS Regulations not Incorporated in Permit**

<b>Article 2: Regulations and Standards</b>	
§4	Ambient Air Quality Standards
§9	General Operating Permits for Class I and II Sources
§10	Operating Permits for Temporary Sources & Notification of Relocation of...
§19	Prevention of Significant Deterioration (PSD) of Air Quality
§21	Compliance Assurance Monitoring (CAM)
§22	Incinerator Emission Standards
§25	Nitrogen Oxides – Emissions Standards for Existing Stationary Sources
§26	Acid Rain
§28	Hazardous Air Pollutants – MACT Emission Standards
§3, §30, §31	Reserved

**5.01.04 – Non-Applicable Federal Regulations**

(D) The following Federal Regulations are not requirements of this permit:

**Table 1-D: Non-Applicable Federal Regulations**

<b>Regulation</b>	<b>Non-Applicable Subparts, Section(s), or Appendix</b>
40 CFR Part 51	Appendix S: Emission Offset Interpretive Ruling
40 CFR Part 52	Subpart A §52.21: Prevention of Significant Deterioration of Air Quality
40 CFR Part 60	All subparts, except Subpart B and those listed as applicable in Table 1-B
40 CFR Part 61	All subparts, except those listed as applicable in Table 1-B
40 CFR Part 63	Entire rule is non-applicable at the time of permit issuance
40 CFR Part 64	Entire rule is non-applicable at the time of permit issuance
40 CFR Parts 72 through 78	All Acid Rain rules are non-applicable at the time of permit issuance

**5.01.05 – Non-Applicable State Regulations**

(E) The ‘Prevention of Significant Deterioration of Air Quality (PSD)’ regulations set forth under Title 129 of the Nebraska Administrative Code (Nebraska Air Quality Regulations) do not apply to this source.

**5.01.06 – Applicable Local Ordinances**

(F) The following chapter(s) of the Lincoln Municipal Code (LMC) are requirements of this permit:

**Table 1-F: Applicable Lincoln Municipal Code (LMC) Chapter(s)**

Chapter	Chapter Title
8.06	Air Pollution

**5.02 – Construction Permit #224 (C.P. #224) Applicable and Non-Applicable Regulations**

**5.02.01 – Applicable Regulations under the LLCAPCPRS**

(A) The following sections (§) of the LLCAPCPRS are requirements of C.P. #224:

**Table 1-A: Applicable Regulations of the LLCAPCPRS**

<b>Article 1: Administration and Enforcement</b>	
§1	Intent
§2	Unlawful Acts – Permits Required
§3	Violations – Hearings – Orders
§4	Appeal Procedure
§5	Variance
§6	Annual Fees
§7	Compliance – Actions to Enforce – Penalties for Non-Compliance
§8	Procedure for Abatement
§9	Severability
<b>Article 2: Regulations and Standards</b>	
§1	Definitions
§2	Major Sources – Defined
§4	Ambient Air Quality Standards
§6	Emissions Reporting – When Required
§10	Operating Permits for Temporary Sources & Notification of Relocation of...
§14	Permits – Public Participation
§15	Permit Modifications – Reopening for Cause
§16	Stack Heights – Good Engineering Practice (GEP)
§17	Construction Permits – When Required
§20	Particulate Emissions – Limitations and Standards
§32	Dust – Duty to Prevent Escape Of
§33	Compliance – Time Schedule For
§34	Emission Sources – Testing and Monitoring
§35	Compliance – Exceptions Due to Startup, Shutdown, or Malfunction
§36	Control Regulations – Circumvention – When Excepted
§37	Compliance – Responsibility of Owner/Operator Pending Review by Director
§38	Emergency Episodes – Occurrence and Control – Contingency Plans
<b>Appendices</b>	
I	Emergency Emission Reduction Regulations
II & III	Hazardous Air Pollutants (HAPs)

**5.02.02 – Non-Applicable Local Regulations**

(B) The following sections (§) of the LLCAPCPRS are not requirements of C.P. #224:

**Table 1-B: LLCAPCPRS Regulations not Incorporated in Permit**

Article 2: Regulations and Standards	
§5	Operating Permits – When Required
§7	Operating Permits – Application
§8	Operating Permits – Content
§9	General Operating Permits for Class I and II Sources
§11	Emergency Operating Permits – Defense
§12	Operating Permit Renewal and Expiration
§13	Class I Operating Permit – EPA Review – Affected States Review
§18	New Source Performance Standards (NSPS)
§19	Prevention of Significant Deterioration (PSD) of Air Quality
§21	Compliance Assurance Monitoring (CAM)
§22	Incinerator Emission Standards
§23	Hazardous Air Pollutants – Emission Standards
§24	Sulfur Compound Emissions – Existing Sources – Emission Standards
§25	Nitrogen Oxides – Emissions Standards for Existing Stationary Sources
§26	Acid Rain
§27	Hazardous Air Pollutants – Maximum Achievable Control Technology (MACT)
§28	Hazardous Air Pollutants – MACT Emission Standards
§29	Operating Permit Emission Fees
§3, §30, §31	Reserved

**5.02.03 – Non-Applicable State Regulations**

(C) The ‘Prevention of Significant Deterioration of Air Quality (PSD)’ regulations set forth under Title 129 of the Nebraska Administrative Code (Nebraska Air Quality Regulations) are not incorporated as requirements of C.P. #224.

**5.02.04 – Applicable Local Ordinances**

(D) The following chapter(s) of the Lincoln Municipal Code (LMC) are requirements of C.P. #224:

**Table 1-D: Applicable Lincoln Municipal Code (LMC) Chapter(s)**

Chapter	Chapter Title
8.06	Air Pollution

**Section 6 – Discussion of Proposed Permit Conditions and Requirements**

The following conditions of the proposed permit contain monitoring, reporting, and record keeping requirements, a brief description of the condition is provided:

**6.01 – Class I Operating Permit Conditions and Requirements**

**6.01.01 – General Conditions**

Conditions II through XXXI are general conditions that are applicable to all sources obtaining a Class I operating permit. There will not be an in-depth discussion of these requirements, except to note the following General Conditions specifically related to monitoring, reporting, notification, and record-keeping:

- XII – Annual Emission Reporting
- XIII(A) – Timely Applications
- XIII(B) – Certification of Truth, Accuracy, and Completeness

- XIV(C)-(D) – Record Keeping Elements and Retention Times
- XIV(E) – Semi-Annual Monitoring and Deviation Reporting
- XIV(Q) – Annual Certification of Compliance
- XIV(R) – Permit Copy Maintenance and Retention
- XVII(F) – Notification of Source Modifications
- XXVI(B) – Test Reporting Requirements
- XXVI(C) – Test Notification Requirements
- XXVII – Startup, Shutdown, and Malfunction (SSM) Provisions
- XXXI – Protection of Stratospheric Ozone (40 CFR 82)

### 6.01.02 – Specific Conditions

The following are specific conditions of the proposed Class I operating permit:

- XXXII. – The provisions of the regulations cited under this condition establish that the Specific Conditions of this permit are deemed necessary by the Director to protect public health and/or the environment. All terms and conditions of this permit are enforced by the Administrator and the citizens under the Act, except for those terms and conditions that are specifically designated as not being federally enforceable. This condition also establishes the fact that the permit requirements are in accordance with Construction Permit #224.
  
- XXXIII. – Source-Wide Requirements.  
These specific conditions apply generally to this permitted source. The conditions therein are established pursuant to elections made by the owner/operator in the approved application, or pursuant to applicability criteria set forth in the LLCAPCPRS and/or applicable Federal Regulations.
  - (A) Operating Requirements, Throughput Limits, and Work Practice Standards.  
The requirements set forth under this condition serve to:
    - incorporate applicable provisions set forth in C.P. #224;
    - incorporate provisions that establish the boilers at this facility as ‘gas-fired boilers’, and that also require the owner/operator to comply with applicable requirements of 40 CFR 63 Subpart JJJJJ should the owner/operator utilize any of the boilers in such a manner that no longer meet the definition of a ‘gas-fired boiler’;
    - ensure that the units are operated in such a manner that their contributions to air pollution are minimized, and to incorporate any elections made in the approved application by reference; and
    - incorporate by reference any applicable operating requirements, processing limits, or work practice standards established pursuant to applicable federal regulations.
  
  - (B) Emission Limits and Emission Control Requirements.  
The requirements set forth under this condition serve to:
    - incorporate applicable provisions set forth in C.P. #224;
    - reiterate particulate matter (PM) emission limits established in LLCAPCPRS Article 2, Section 20;
    - incorporate the sulfur oxide (SO<sub>x</sub>) emission limit established in LLCAPCPRS Article 2, Section 24, paragraph (A) as applicable to EU 2-1 (Boiler #2), which was a fossil fuel combustion unit in existence prior to February 26, 1974; and

- incorporate by reference any applicable emission limits or emission control requirements established pursuant to applicable federal regulations.

(C) Monitoring and Record Keeping Requirements.

The requirements set forth under this condition serve to:

- incorporate applicable provisions set forth in C.P. #224;
- establish visible emissions monitoring and record keeping requirements to demonstrate compliance with opacity limits set forth in LLCAPCPRS Article 2, Section 20;
- establish record keeping requirements deemed necessary to ensure compliance with the throughput limits in C.P. #224;
- establish record keeping requirements deemed necessary to document proper operation and maintenance of emission units and emission controls, and also prompt correction of failures, malfunctions, and occurrences of excess emissions;
- establish record keeping requirements pursuant to the authorities set forth in LLCAPCPRS Article 2, Section 8, paragraph (D), deemed necessary to calculate emissions for the annual emission inventory; and
- incorporate by reference any applicable monitoring and record keeping requirements established pursuant to applicable federal regulations.

(D) Notification and Reporting Requirements.

The requirements set forth under this condition serve to:

- reiterate annual emission reporting requirements, and also establish that the owner/operator must submit emissions-related data as deemed necessary by the Director pursuant to the authorities set forth in LLCAPCPRS Article 2, Section 6, paragraph (E); and
- incorporate by reference any applicable notification and reporting requirements established pursuant to applicable federal regulations.

(E) Other Requirements.

The requirements set forth under this condition serve to:

- establish that emissions shall be calculated using the emission factors and emission calculation procedures used in the approved application, and provide a mechanism by which those factors and procedures can be revised with Department approval;
- ensure that the owner/operator achieves compliance with compliance with rules and regulations in a timely manner; and
- establishes that the owner/operator must obtain Department approval before performing modifications that can alter the quantity or nature of emissions from the facility.

(F) Requirements of the New Source Performance Standard (NSPS) set forth in Title 40, Part 60 of the Code of Federal Regulations (40 CFR Part 60).

The requirements set forth under this condition serve to:

- establish 40 CFR Part 60 Subpart Dc as an applicable requirement for the EU 1-1 (25.0 MMBtu/hr Boiler), to identify the provisions of Subpart Dc that apply specifically to the 25.0 MMBtu/hr Boiler, and to incorporate those provisions as applicable requirements by reference. Applicable provisions of Subpart Dc are based on the following applicability criteria:



- The boiler was constructed after the Subpart Dc applicability date of June 9, 1989,
  - The boiler’s heat input rating is between 10 and 100 MMBtu/hr,
  - The boiler burns only natural gas as of the date of proposed permit issuance,
  - The boiler is not a temporary boiler, and
  - Because the boiler does not burn any solid or liquid fuels, the owner/operator is not required to comply with any PM or SO<sub>2</sub> standards set forth under the rule, nor is the owner/operator required to comply with any monitoring, record keeping, or reporting requirements associated with the rules PM and SO<sub>2</sub> standards.
- incorporate applicable requirements under 40 CFR Part 60 Subpart A as pursuant to 40 CFR Part 60 Subpart Dc.
- (G) Requirements of the Chemical Accident Prevention Provisions set forth in Title 40, Part 68 of the Code of Federal Regulations (40 CFR Part 68).

The requirements set forth under this condition serve to:

- establish 40 CFR Part 68 as an applicable requirement for the Smithfield, to identify the provisions of Part 68 that apply specifically to this facility, and to incorporate those provisions as applicable requirements by reference. Applicability of this regulation is based upon the following:
  - The facility has more than the threshold quantity of a regulated substance (ammonia) in a process;
  - The facility does not meet the ‘Program 1’ or ‘Program 2’ eligibility requirements; and
  - The facility submitted an updated RMP in April of 2022.

### 6.01.03 – Class I Operating Permit Attachments

**Attachment A: Permit Shield** – The table contained in this attachment establishes equipment at this facility that are shielded from applicability of certain federal regulations, and briefly explains the reasons why the cited regulations are not applicable to the associated equipment.

**Attachment B: Construction Permit #224** – This attachment incorporates the specific conditions of Construction Permit No. 224. As is mentioned in the attachment, the ‘General Conditions’ of the construction permit were not incorporated into the attachment, because many are reflected in the ‘General Conditions’ of the operating permit.

## 6.02 – Construction Permit #224 Conditions and Requirements

### 6.02.01 – General Conditions

Conditions II through XXV are general conditions that are applicable to all sources obtaining a construction permit. There will not be an in-depth discussion of these requirements, except to note the following General Conditions specifically related to monitoring, reporting, notification, and record-keeping:

- XI – Annual Emission Reporting
- XII(E) – Notification of Source Modifications
- XIV(E) – Permit Copy Maintenance and Retention
- XXI(B) – Test Reporting Requirements
- XXI(C) – Test Notification Requirements

XXII – Startup, Shutdown, and Malfunction (SSM) Provisions

**6.02.02 – Specific Conditions**

The following are specific conditions of the proposed construction permit:

XXVI. – The specific conditions of this permit apply to the permitted emission units listed on page 2 of C.P. #224. This condition establishes the authority under which the requirements of the permit are set forth.

(A) Operating Requirements, Throughput Limits, and Work Practice Standards.

The requirements set forth under this condition serve to:

- incorporate the wood use limit requested by the owner/operator in a letter to the Department dated May 5, 2022, establishing a federally enforceable limitation on throughput/processing that maintains potential emissions at such levels that the facility will not be classified as a major source for purposes of PSD;
- ensure that the units are operated in such a manner that their contributions to air pollution are minimized, and to incorporate any elections made in the approved application by reference; and
- incorporate by reference any applicable operating requirements, processing limits, or work practice standards established pursuant to applicable federal regulations.

(B) Emission Limits and Emission Control Requirements.

The requirements set forth under this condition serve to:

- reiterate particulate matter (PM) emission limits established in LLCAPCPRS Article 2, Section 20; and
- establish the utilization of the water scrubber associated with EU 14-1 as a federally enforceable control on emissions, thereby reducing potential PM emissions associated with this unit.

(C) Monitoring and Record Keeping Requirements.

The requirements set forth under this condition serve to:

- establish record keeping requirements deemed necessary to ensure and demonstrate ongoing compliance with the throughput limit in Condition XXVI(A)(1);
- establish visible emissions monitoring and record keeping requirements to demonstrate compliance with opacity limits set forth in LLCAPCPRS Article 2, Section 20;
- establish record keeping requirements deemed necessary to document proper operation and maintenance of emission units and emission controls, and also prompt correction of failures, malfunctions, and occurrences of excess emissions;
- establish record keeping requirements deemed necessary to ensure all required monitoring information is properly verified, and available for inspection by the Department for a period of time that is consistent with the Class I operating permit.

(D) Notification and Reporting Requirements.

The requirements set forth under this condition serve to:

- reiterate annual emission reporting requirements, and also establish that the owner/operator must submit wood throughput-related data as deemed necessary by the Director pursuant to the authorities set forth in LLCAPCPRS Article 2, Section 6, paragraph (E).

(E) Department Authority.

The requirements set forth under this condition serve to incorporate authorities granted under LMC 8.06.030.

(F) Other Requirements.

The requirements set forth under this condition serve to:

- establish the effective duration of the construction permit;
- establish that the owner/operator must obtain Department approval before performing modifications that can alter the quantity or nature of emissions from the facility; and
- ensure that the owner/operator achieves compliance with compliance with rules and regulations in a timely manner.

**Section 7 – Summary of Permit Conditions Enforceable by Agency**

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**7.01 – Class I Operating Permit Conditions**

- (1) LLCHD (Local) – All conditions indicated in this permit.
- (2) EPA (Federal) – All conditions indicated in this permit, except for Condition I(F) (i.e., Lincoln Municipal Code requirements).

**7.02 – Construction Permit #224 Conditions**

- (1) LLCHD (Local) – All conditions indicated in this permit.
- (2) EPA (Federal) – All conditions indicated in this permit, except for Conditions I(D) and XXVI(E) (i.e., Lincoln Municipal Code requirements).

**Section 7 – Compliance Assurance Monitoring (CAM)**

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It has been determined that 40 CFR Part 64 does not apply to this facility. CAM requirements apply to pollutant-specific emissions units at major sources that are required to obtain a Part 70 (Title V) permit if the unit(s) satisfy all the criteria set forth in 40 CFR Part 64 §64.2 paragraphs (a)(1-3). Notably, none of the emission units associated with this source utilize a control device to demonstrate compliance with a pollutant-specific limit. Because none of the emission units at this source meet all the applicability criteria set forth in 40 CFR Part 64 §64.2 paragraphs (a)(1-3), none of the emission units at this source are subject to the CAM requirements.

**Section 9 – Pollution Prevention Opportunities**

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The Department encourages Smithfield Packaged Meats to continually examine its operations for pollution prevention opportunities. The LLCHD can provide technical assistance resources to aid the facility in exploring available pollution prevention options.

## **Section 10 – Environmental Justice Considerations**

The Department utilized the U.S. EPA’s Environmental Justice Screening Tool (EJSCREEN) to determine if there are environmental justice concerns in the area surrounding this facility. The U.S. EPA’s ‘*Technical Guidance for Assessing Environmental Justice in Regulatory Analysis*’ (June 2016) states that, “When using EJSCREEN, the 80<sup>th</sup> percentile is a suggested starting point for the purpose of identifying geographic areas in the United States that may warrant further consideration, analysis, or outreach. That is, if any of the EJ indexes for the areas under consideration are at or above the 80<sup>th</sup> percentile nationally, then further review may be appropriate.”

For urban areas, the Department analyzes a 1-mile radius around the center of the regulated facility. The EJSCREEN analysis performed by LLCHD personnel for this permitting action indicated that, in the 1-mile radius surrounding the approximate center of the facility, there is an affected population of approximately 10,000 people. For the affected population, the following ‘Environmental Justice Indexes’ equaled or exceeded the 80<sup>th</sup> percentile nationally.

- Toxic Releases to Air
- Traffic Proximity
- Lead Paint Indicator
- RMP Proximity
- Hazardous Waste Proximity
- Underground Storage Tanks

In addition, the Socioeconomic Indicator for ‘Low Income Population’ also exceeded the 80<sup>th</sup> percentile nationally for the area included in the EJSCREEN analysis.

As a result, the Department encourages the owner/operator to continually evaluate how to effectively provide meaningful engagement to the public on the following, as needed:

- Potential releases of toxic pollutants (hazardous air pollutants), including specific pollutants emitted and potential quantity of each pollutant emitted in excess of 2,000 pounds (1 ton).
- The facility’s RMP Plan, including the hazards and risks associated with the facility, details of the facility’s accident prevention program, and information on how the community will be informed about ‘RMP reportable accidents’. The owner/operator should consult and follow the U.S. EPA’s ‘General Risk Management Program Guidance – Chapter 11: Communication with the Public’ (December 2021) for communicating information pertaining to RMP.
- Information regarding any on-site storage of hazardous waste (if any).
- Information regarding any underground storage tanks maintained on-site (if any).
- Information regarding the company’s efforts to control and/or reduce emissions of regulated air pollutants, which may include any emission controls utilized and/or any limitations on emissions or throughputs employed.
- Guidance on how to obtain copies of operating and construction permits, as well as any associated public document, for public review and comment.

The Department does not have any specific recommendations pertaining to meaningful public engagement on matters relating to Traffic Proximity and Lead Paint, as those are matters beyond the purview of air quality operating/construction permits, and also beyond the control of company/facility representatives.

**Section 11 – Air Quality Program Recommendation**

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The Department proposes approval of a construction permit and a Class I Operating Permit for this facility. Enforceable permit conditions have been provided in the draft permits. A final determination on the permits will be made following the opportunity of the public, the U.S. EPA, and affected states to comment on the proposed Class I operating permit, and also for the public to comment on the proposed construction permit. The permits will not be issued until any/all comments received have been addressed.

**Section 12 – Public Participation, Affected States Review, and EPA Review**

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The following notice is scheduled for publication in the June 10, 2024 edition of the Lincoln Journal Star, which is a newspaper of general circulation in Lancaster County, Nebraska. This notice will also be made available on the LLCHD Air Quality Program website at the following URL:

<http://www.lincoln.ne.gov/city/health/envIRON/pollu/pubnot.htm>

A copy of this notice will be sent to the affected states, as well as the EPA’s Region 7 permits coordinator. Copies of the proposed permits, applications, and this statement of basis document will be provided upon request.

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**NOTICE OF INTENT TO ISSUE PERMIT**

**LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT (LLCHD)**

- A. In accordance with Article 2, Sections 13 and 14 of the Lincoln-Lancaster County Air Pollution Control Program Regulations and Standards (LLCAPPRS), the LLCHD gives notice of the preliminary determination to approve the following permitting action(s) for the source identified in item ‘B’ (below). The 30-day public comment period commences June 10, 2024 and ends on July 10, 2024.
  - 1. Proposed issuance of a Class I (Title V) Operating Permit
  - 2. Proposed issuance of a minor New Source Review (NSR) Construction Permit
- B. Issuance of the proposed permits allows for continued operation of the subject emission source within Federal, State and Local requirements. Provided below are the name, address, and the North America Industry Classification System (NAICS) code(s) describing the nature of business at the subject emission source:
  - 1. Source Name: Smithfield Packaged Meats Corp. – Lincoln, NE
  - 2. Source Address: 200 South 2<sup>nd</sup> Street, Lincoln, NE 68508
  - 3. NAICS Codes: 311612 (Meat Processed from Carcasses)
- C. Potential emissions exceed the Class I permit thresholds set forth under Article 2, Section 5 of the LLCAPPRS, and as such, this source qualifies for a Class I operating permit as a ‘major source’. However, potential emissions from the facility will be limited to such quantities that it will not be classified as a major source for purposes of the Prevention of Significant Deterioration of Air Quality (PSD) regulations.
- D. The proposed permits will allow for emissions of the following regulated air pollutants in the associated quantities. All quantities are in units of tons per year, or tpy.
 

Particulate matter <10 micrometers in diameter (PM <sub>10</sub> )	32.94 tpy
Particulate matter <2.5 micrometers in diameter (PM <sub>2.5</sub> )	32.83 tpy
Oxides of Nitrogen (NO <sub>x</sub> )	23.30 tpy
Oxides of Sulfur (SO <sub>2</sub> , SO <sub>3</sub> , and combinations thereof)	0.19 tpy
Volatile Organic Compounds (VOC)	6.03 tpy

Carbon Monoxide (CO)	197.04 tpy
Lead	<0.01 tpy
Greatest Individual Hazardous Air Pollutant	<0.61 tpy
Total Combined Hazardous Air Pollutants	0.61 tpy
Greenhouse Gas Carbon Dioxide Equivalents (CO <sub>2e</sub> )	38,554.00 tpy

- E. Lancaster County is an 'attainment/unclassifiable' area for all pollutants subject to the National Ambient Air Quality Standards (NAAQS), meaning air quality in Lancaster County meets or is cleaner than the national standards. This permitting action is not expected to change that status.
- F. The proposed permit, statement of basis, permit application, and a copy of this public notice document are available online at: <http://lincoln.ne.gov>, keyword search "air". Those materials are also available for inspection during business hours at the office of the LLCHD at 3131 O Street, Lincoln, NE 68510. Telephone inquiries regarding this public notice may be directed to the Air Quality Program at (402) 441-8040. If alternate formats of materials are needed, please notify the Department by calling (402) 441-8040 or (402) 441-6284 for TDD users.
- G. Within the 30-day public comment period, any interested person, agency, or group may submit comments on the proposed permit(s), or request or petition the Director of the LLCHD for a public hearing in accordance with item 'H' below. Comments on the proposed permit(s) may be mailed to the attention of the Air Quality Program Supervisor at the address provided in item 'F' above, or submitted via e-mail to [health@lincoln.ne.gov](mailto:health@lincoln.ne.gov) using the subject line 'Comment on Air Quality Permit'. Individuals commenting via e-mail are asked to provide their home address and phone number for follow-up correspondence.
- H. Requests for public hearing must be made in writing and must state the nature of the issues to be raised and all arguments and factual grounds supporting their position. If a public hearing is granted by the Director, the hearing will be advertised by public notice at least 30 days prior to its occurrence.
- I. The LLCHD does not discriminate on the basis of race, color, national origin, disability, age, or sex in administration of its programs or activities, and LLCHD does not intimidate or retaliate against any individual or group because of their participation in or opposition to actions protected or prohibited by 40 CFR Part 7, or for the purpose of interfering with any right or privilege guaranteed by 40 CFR Part 7.