NARRATIVE DESCRIPTION OF PROCESSES

The Muscogee (Creek) Nation Meat Processing Plant (Looped Square Meat. Company) is located at 3260 U.S. HWY 75, Beggs, OK 74421. The Muscogee (Creek) Nation (MCN) is applying for an Air Quality Permit via the United States Protection Agency (USEPA) Federal Minor New Source Review Program in Indian Country for this Meat Processing Facility. The anticipated site will include a 25,000 square foot Meat Processing Facility, to combat food sovereignty and security, and is expected to employ up to 25 employees. A Blue Star Power Systems emergency stationary standby generator, model number VD300-01, EPA Tier 3, with a 540-gallon primary tank capacity, is on-site. This generator is solely used for backup power, and no pollution control device will be used. The emergency generator will be powered by low-sulfur diesel fuel.

Air Emissions Sources and Air Pollution Control Equipment

One on-site processes generate regulated air emissions as follows:

- One low sulfur diesel standby emergency stationary generator with a combined 456 HP which is engaged during a power shortage or outages.

City	Location	Make	Rated HP	Fuel Volume (Gallon)	Fuel	Model #	Serial #
Beggs	*Meat Processing Plant*	*Blue Star Power Systems*	*1800*	*540*	*Low-Sulfur Diesel*	*VD300-01*	*116737-1-1*

Fuel Sources

The emergency generator uses low-sulfur diesel fuel, have certificates and conformity, and operate in compliance with the emissions limits of 40 CFR 60:4205. Compliance with NPDS Subpart IIII demonstrates compliance with 40 CFR 60 or 40 CFR 63 Subparts.

Emission sources are maintained in accordance with manufacturer recommendations and no unit specific air pollution control devices are utilized.

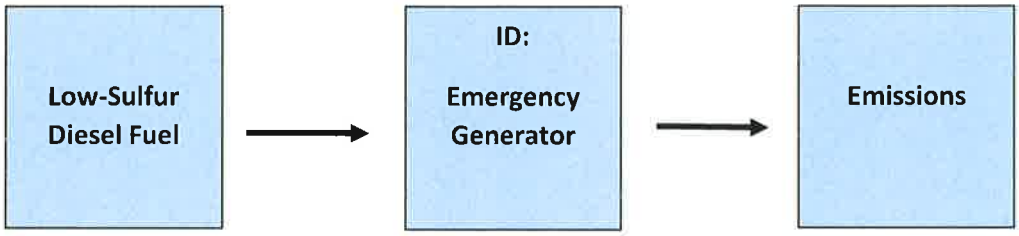
Raw Materials

The MCN Meat Processing Plant is not a manufacturing facility. The only raw material used is low-sulfur diesel fuel.

Operating Schedule

The MCN Meat Processing Plant will operate, 5 days a week, Monday through Friday 8:00-5:00 pm.

Process flow sheet



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY **FEDERAL MINOR NEW SOURCE REVIEW PROGRAM IN INDIAN COUNTRY** **40 CFR 49.151** **Application for New Construction** (Form NEW)	*Erica G. Le Doux* *U.S. EPA Region 6* *Air and Radiation Division Air Permits Section (ARPE)* *Phone: (214) 665-7265*

Please check all that apply to show how you are using this form:

X **Proposed Construction of a New Source**

☐ **Proposed Construction of New Equipment at an Existing Source**

☐ **Proposed Modification of an Existing Source**

☐ **Other – Please Explain**

Use of this information request form is voluntary and not yet approved by the Office of Management and Budget. The following is a check list of the type of information that Region 6 will use to process information on your proposed project. While submittal of this form is not required, it does offer details on the information we will use to complete your requested approval and providing the information requested may help expedite the process. Use of application forms for this program is currently under Office of Management and Budget review and these information request forms will be replaced/updated after that review is completed.

Please submit information to:

Erica G. Le Doux
U.S. EPA Region 6
Air and Radiation Division Air Permits Section (ARPE)
Phone: (214) 665-7265

A. GENERAL SOURCE INFORMATION

1. (a) **Company Name**: ***Muscogee (Creek) Nation*** (b) **Operator Name** ***Muscogee (Creek) Nation***	2. **Facility Name:** ***Looped Square Meat Processing Plant***
3. Type of Operation ***Animal Slaughtering/Processes***	4. Portable Source? ☐ Yes X No 5. Temporary Source? ☐ Yes X No
6. NAICS Code *311611*	7. SIC Code *2011*
8. Physical Address (Or, home base for portable sources) ***3260 US HWY 75 Beggs, OK 74421***	

9. Reservation* ***Muscogee (Creek) Nation***	10. County* ***Tulsa***	11a. Latitude (decimal format) * ***35.808789***	11b. Longitude (decimal format) * ***-96.013508***
12a. Quarter Quarter Section* ***NW ¼ NW ¼***	12b. Section* ***S2***	12c. Township* ***T15N***	12d. Range* ***R12E***

*Provide all proposed locations of operation for portable sources

B. PREVIOUS PERMIT ACTIONS (Provide information in this format for each permit that has been issued to this source. Provide as an attachment if additional space is necessary)

Facility Name on the Permit
Permit Number (xx-xxx-xxxxx-xxxx.xx)
Date of the Permit Action

Facility Name on the Permit
Permit Number (xx-xxx-xxxxx-xxxx.xx)
Date of the Permit Action

Facility Name on the Permit
Permit Number (xx-xxx-xxxxx-xxxx.xx)
Date of the Permit Action

Facility Name on the Permit
Permit Number (xx-xxx-xxxxx-xxxx.xx)
Date of the Permit Action

Facility Name on the Permit
Permit Number (xx-xxx-xxxxx-xxxx.xx)
Date of the Permit Action

THIS FACILITY DOES NOT HAVE ANY EXISTING AIR PERMITS.

C. CONTACT INFORMATION

Company Contact **James Williams**	Title **Director, Environ. Serv.**
Mailing Address **P.O. Box 580 Okmulgee, OK 74447**	
Email Address jwilliams@muscogeenation.com	
Telephone Number **(918) 549-2580**	Facsimile Number **(918) 549-2587**
Operator Contact (Is the company that operates this facility different than the company that owns this facility? Who is the primary contact for the company that operates this facility?) **Mr. Grant Norem**	Title **Meat Plant Manager**
P.O. Box 580 Okmulgee, OK 74447	
Email Address gnorem@muscogeenation.com	
Telephone Number **539-244-2367**	Facsimile Number
Permitting Contact **James Williams**	Title **Director, Environ. Serv.**
Mailing Address **P.O. Box 580 Okmulgee, OK 74447**	
Email Address jwilliams@muscogeenation.com	
Telephone Number **(918) 549-2580**	Facsimile Number **(918) 549-2587**
Compliance Contact **Brett Sands**	Title **Environmental Specialist I**
Mailing Address **P.O. Box 580 Okmulgee, OK 74447**	
Email Address brettsands@muscogeenation.com	

Telephone Number **(918) 549-2580**	Facsimile Number **(918) 549-7792**

D. ATTACHMENTS

Include all of the following information (see the attached instructions)

*Please do not send Part 71 Operating Permit Application Forms in lieu of the check list below.

☐ **FORM SYNMIN** - New Source Review Synthetic Minor Limit Request Form, if synthetic minor limits are being requested.

☐ Narrative description of the proposed production processes. This description should follow the flow of the process flow diagram to be submitted with this application.

☐ Process flow chart identifying all proposed processing, combustion, handling, storage, and emission control equipment.

☐ A list and descriptions of all proposed emission units and air pollution-generating activities.

☐ Type and quantity of fuels, including sulfur content of fuels, proposed to be used on a daily, annual and maximum hourly basis.

☐ Type and quantity of raw materials used or final product produced proposed to be used on a daily, annual and maximum hourly basis.

☐ Proposed operating schedule, including number of hours per day, number of days per week and number of weeks per year.

☐ A list and description of all proposed emission controls, control efficiencies, emission limits, and monitoring for each emission unit and air pollution generating activity.

☐ **Criteria Pollutant Emissions** - Estimates of Current Actual Emissions, Current Allowable Emissions, Post-Change Uncontrolled Emissions, and Post-Change Allowable Emissions for the following air pollutants: particulate matter, PM_{10}, $PM_{2.5}$, sulfur oxides (SOx), nitrogen oxides (NOx), carbon monoxide (CO), volatile organic compound (VOC), lead (Pb) and lead compounds, fluorides (gaseous and particulate), sulfuric acid mist (H_2SO_4), hydrogen sulfide (H_2S), total reduced sulfur (TRS) and reduced sulfur compounds, including all calculations for the estimates.

These estimates are to be made for each emission unit, emission generating activity, and the project/source in total. Note, there are no insignificant emission units or activities in this permitting program, only exempted units and activities. Please see the regulation for a list of exempted units and activities.

☐ **Air Quality Review**

- **ESA (Endangered Species Act)**
- **NHPA (National Historic Preservation Act)**

E. TABLE OF ESTIMATED EMISSIONS

The following tables provide the total emissions in tons/year for all pollutants from the calculations required in Section D of this form, as appropriate for the use specified at the top of the form.

E(i) – Proposed New Source

Pollutant	Potential Emissions (tpy)	Proposed Allowable Emissions (tpy)	
PM			PM - Particulate Matter PM_{10} - Particulate Matter less than 10 microns in size $PM_{2.5}$ - Particulate Matter less than 2.5 microns in size SO_2 - Sulfur Oxides NOx - Nitrogen Oxides CO - Carbon Monoxide VOC - Volatile Organic Compound Pb - Lead and lead compounds Fluorides - Gaseous and particulates H_2SO_4 - Sulfuric Acid Mist H_2S - Hydrogen Sulfide TRS - Total Reduced Sulfur RSC - Reduced Sulfur Compounds
PM_{10}			
$PM_{2.5}$			
SO_2			
NO_x			
CO			
VOC			
Pb			
Fluorides			
H_2SO_4			
H_2S			
TRS			
RSC			

Emissions calculations must include fugitive emissions if the source is one the following listed sources, pursuant to CAA Section 302(j):

(a) Coal cleaning plants (with thermal dryers);
(b) Kraft pulp mills;
(c) Portland cement plants;
(d) Primary zinc smelters;
(e) Iron and steel mills;
(f) Primary aluminum ore reduction plants;
(g) Primary copper smelters;
(h) Municipal incinerators capable of charging more than 250 tons of refuse per day;
(i) Hydrofluoric, sulfuric, or nitric acid plants;
(j) Petroleum refineries;
(k) Lime plants;
(l) Phosphate rock processing plants;
(m) Coke oven batteries;
(n) Sulfur recovery plants;
(o) Carbon black plants (furnace process);
(p) Primary lead smelters;
(q) Fuel conversion plants;
(r) Sintering plants;
(s) Secondary metal production plants;
(t) Chemical process plants
(u) Fossil-fuel boilers (or combination thereof) totaling more than 250 million British thermal units per hour heat input;
(v) Petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels;
(w) Taconite ore processing plants;
(x) Glass fiber processing plants;
(y) Charcoal production plants;
(z) Fossil fuel-fired steam electric plants of more that 250 million British thermal units per hour heat input, and
(aa) Any other stationary source category which, as of August 7, 1980, is being regulated under section 111 or 112 of the Act.

E(ii) – Proposed New Construction at an Existing Source or Modification of an Existing Source

Pollutant	Current Actual Emissions (tpy)	Current Allowable Emissions (tpy)	Post-Change Potential Emissions (tpy)	Post-Change Allowable Emissions (tpy)
PM				
PM_{10}				
$PM_{2.5}$				
SO_2				
NO_x				
CO				
VOC				
Pb				
Fluorides				
H_2SO_4				
H_2S				
TRS				
RSC				

PM - Particulate Matter
PM_{10} - Particulate Matter less than 10 microns in size
$PM_{2.5}$ - Particulate Matter less than 2.5 microns in size
SO_2 - Sulfur Oxides
NOx - Nitrogen Oxides
CO - Carbon Monoxide
VOC - Volatile Organic Compound
Pb - Lead and lead compounds
Fluorides - Gaseous and particulates
H_2SO_4 - Sulfuric Acid Mist
H_2S - Hydrogen Sulfide
TRS - Total Reduced Sulfur
RSC - Reduced Sulfur Compounds

The public reporting and recordkeeping burden for this collection of information is estimated to average 20 hours per response, unless a modeling analysis is required. If a modeling analysis is required, the public reporting and recordkeeping burden for this collection of information is estimated to average 60 hours per response .Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.