State of Oklahoma
Department of Agriculture, Food, and Forestry

Mary Fallin
Governor

Jim Reese
Secretary of Agriculture

Draft

**AUTHORIZATION TO DISCHARGE UNDER THE GENERAL PERMIT NO. OKG010000
FOR CONCENTRATED ANIMAL FEEDING OPERATIONS**

Authorization Number: OKG010404

Pursuant to the Oklahoma Agriculture Pollutant Discharge Elimination (AgPDES) Act and the AgPDES Rules (OAC 35:45) promulgated thereunder,

Alfadale Stock Farm, LLC
1200 N. Alfadale Road
El Reno, OK 73036

is hereby authorized to discharge from their concentrated animal feeding operation at Alfadale Stock Farm, LLC facility located in the:

East Half of Section 3, T12N R7WIM, Canadian County, Oklahoma
West Half of Section 2, T12N R7WIM, Canadian County, Oklahoma
SE1/4 Section 4, T12N R7WIM, Canadian County, Oklahoma
SW1/4 Section 35, T13N R7WIM, Canadian County, Oklahoma
Part of Section 5, T12N R7WIM, Canadian County, Oklahoma

in accordance with effluent limitations, monitoring requirements, and other conditions set forth in the General Permit No. OKG010000, and permit terms specified in the Appendix H.

The facility is located in the North Canadian River watershed (Waterbody ID No. OK520530000010_00) of the Canadian River Basin.

This Authorization shall become effective on _____.

This Authorization shall expire at midnight, on January 31, 2017.

Issued this _____ day of _____, 2017.

For the Oklahoma Department of Agriculture, Food, and Forestry,

_____
Teena G. Gunter, AgPDES Director
Agricultural Environmental Management Services

"DRAFT"

APPENDIX H

TERMS OF THE NUTRIENT MANAGEMENT PLAN INCORPORATED INTO THE PERMIT AUTHORIZATION

For Alfadale Stock Farm, LLC

Permit Authorization No. OKG010404

I. PERMITTEE

In accordance with Parts III.2.b and f of the AgPDES Permit No. OKG010000, the following terms of the Nutrient Management Plan (NMP) are hereby incorporated as site specific terms and conditions of the general permit for:

Alfadale Stock Farm, LLC
1200 N. Alfadale Road
El Reno, OK 73036

Type of Operation: Beef Cattle
Number of Animals: 6,000

The Alfadale Stock Farm, LLC facility is located in:

East Half of Section 3, T12N R7WIM, Canadian County, Oklahoma
West Half of Section 2, T12N R7WIM, Canadian County, Oklahoma
SE1/4 Section 4, T12N R7WIM, Canadian County, Oklahoma
SW1/4 Section 35, T13N R7WIM, Canadian County, Oklahoma
Part of Section 5, T12N R7WIM, Canadian County, Oklahoma

For the purposes of this permit, "NMP" refers to the latest version of the NMP (CNMP) approved by Oklahoma Department of Agriculture, Food, & Forestry (ODAFF). Any changes to the NMP must be submitted to ODAFF in accordance with Part III.A.6 of the General Permit OKG010000.

II. SITE SPECIFIC PERMIT TERMS

A. STORAGE FACILITY

Table 1. Storage Capacity

Storage Structure	Total Volume
RCS-1	37.41 ac-ft

Manure and process wastewater shall be stored and handled in accordance with the Section – Nutrient Management Plan, p.5; and the Section Manure and Wastewater Handling and Storage, p. 23.

B. LAND APPLICATION

The permittee has selected the narrative rate approach to address rates of application. In accordance with Parts III.A.3.g.ii and III.A.7.f of the General Permit OKG010000, the permittee shall calculate the amounts of manure, litter, and process wastewater to be land applied on land application areas specified below per Section Nutrient Management Plan, p. 5; the Section Soil and Risk Assessment

Analyses, p. 37; and the Section Nutrient Management Component, p. 47 and Appendix 1 of the CNMP and the following site specific permit terms.

Table 2. Land Application [1]

Field (spreadable area)	Phosphorus Assessment [2]		Planned Application				
	Rating	Maximum Allowed Phosphorus Application Rate (lbs P_2O_5/acre/year)	Main Crop/Use [4]	Estimated Yield Goal	Types of Waste (Manure/Wastewater) to be Land Applied	Maximum Amount of Nutrients Derived from All Sources [5]	
						Nitrogen (lbs N/ac)	Phosphorus (lbs P_2O_5/ac)
South of Office (132.4 Acres)	High	Half Rate (3)	Wheat/ Sorghum-Sudan Hay	50.0 Bu 7.5 Ton	Manure	235	100
NW Corner (55.7 acres)	High	Half Rate (3)	Wheat/ Sorghum-Sudan Hay	50.0 Bu 7.5 Ton	Manure	235	100
West Bottom (59.1 acres)	Severe	No Application	Wheat/ Sorghum-Sudan Hay	50.0 Bu 7.5 Ton	Manure	235	0
West Zimmatic (34.5 acres)	Severe	No Application	Wheat/ Sorghum-Sudan Hay	50.0 Bu 7.5 Ton	Manure	235	0
East Zimmatic (51.0 acres)	Severe	No Application	Wheat/ Sorghum-Sudan Hay	50.0 Bu 7.5 Ton	Manure	235	0
Woods (51.7 acres)	Moderate	Full	Wheat/ Bermuda Grass	50.0 Bu 3.0 Ton	Wastewater	250	300
Feedlot Pasture (37.7 acres)	Moderate	Full	Wheat/ Bermuda Grass	50.0 Bu 3.0 Ton	Wastewater	250	300
Stone Place (88.0 acres)	Low	Full	Wheat/ Sorghum-Sudan Hay	50.0 Bu 7.5 Ton	Manure	250	200
Thompson Field (21.0 acres)	Low	Full	Wheat	50.0 Bu	Manure	100	200
Red Hill (68.0 acres)	Low	Full	Wheat	50.0 Bu	Manure	100	200

[1] Details of land application information can be found in the Section Nutrient Management Plan and the Section Nutrient Management Component of the CNMP.

[2] The maximum amount of phosphorus shall be based on the field-specific phosphorus risk assessment, which must be evaluated annually using the most recent soil test results. Documentation of annual phosphorus risk assessment performed for each land application field must be kept on site and made available to ODAFF inspectors upon request.

[3] In accordance with the NRCS Code 590, application rate of phosphorus varies depending on application method (i.e. surface spreading, irrigation, injection below ground level ...). When more than one type of waste is applied to a field, the most stringent application rate based on phosphorus assessment will apply to that field.

[4] Crop/Use should be either specific for each year as shown in the table above or alternated with other crop(s) shown in the Alternative Crop provided in Section Nutrient Management Component (Planned Crops and Fertilizer Recommendations) of the CNMP.

(5) Based on the maximum rates provided in Appendix 1 of the CNMP. These values may vary depending on actual crops grown, yield goals, and annual phosphorus assessment.

Other Requirements:

1. Manure and/or wastewater application shall not exceed the maximum allowed P_2O_5 application rate and the Nitrogen requirement of the crop.

2. Wastewater application rates shall not exceed field capacity for the soil, shall not create runoff, and shall minimize ponding.

3. In all other respects, land application shall be accomplished in accordance with the Oklahoma NRCS Code 590.

C. MANURE TRANSFER

Manure not utilized by the facility for land application will be transferred off-site each year. All transfer records shall be kept on-site and made available to ODAFF inspectors upon request.

D. SITE SPECIFIC CONSERVATION PRACTICES

Conservation practices and Setbacks must be implemented in accordance with the Section Land Treatment Component, p. 34 of the CNMP.

E. PROTOCOLS FOR APPROPRIATE TESTING OF SOIL, MANURE, AND PROCESS WASTEWATER

Soil and manure/wastewater sampling shall be done in accordance with the Section Nutrient Management Component, p. 47, and the Recommended Best Management Practices, p. 44 CNMP and Appendix 3 of the CNMP.

F. MORTALITY MANAGEMENT

All mortalities shall be disposed of in accordance with the Plan for Proper Management of Dead Animals, p. 27 and Appendix 3 of the CNMP.

G. CLEAN WATER DIVERSION

Clean water shall be diverted from the production area in accordance with the Emergency Response Plan, p. 26 of the CNMP.

H. CHEMICAL HANDLING

Chemicals and other contaminants shall be handled in accordance with the Section Emergency Response/Action Plan & Impaired Waterbody, Proper Chemical Handling, p. 28 of the CNMP.

I. SCHEDULE OF COMPLIANCE

The permittee shall complete the following activities in accordance with the following compliance schedule:

1. Assure the current concrete sump pump area can store/pump the 25-year 24-hour storm event by June 30, 2017.
2. Document the runoff from the north pens drains into the concrete sump pump area by June 30, 2017.
3. Facility shall submit to ODAFF AEMS an application for the construction NOI and associated documents at least 30 days prior to beginning of any construction activities.