

APPENDIX E: TERMS OF THE NUTRIENT MANAGEMENT PLAN INCORPORATED INTO THE PERMIT

I. PERMITTEE

In accordance with Parts III.2.b and f of NPDES Permit No. NMG010000, the following terms of the nutrient management plan (NMP) are hereby incorporated as site specific terms and conditions of the general permit for:

NMG010032
 Oppliger Feedyard, Inc. (South)
 P.O. Box 854
 Clovis, NM 88101

For the purposes of this permit, “NMP” refers to the latest version of the NMP approved by EPA. Any changes to the NMP must be submitted to EPA in accordance with Part III.A.6 of the permit.

II. SITE SPECIFIC PERMIT TERMS

A. Adequate Storage

Table 1

STORAGE STRUCTURE	STORAGE PERIOD (days)	TOTAL CAPACITY (gallons)
RCS #1	30	10,557,572

Manure shall be stored in accordance with the NMP.

B. Land Application

The permittee has selected the narrative rate approach to address rates of application. The permittee shall calculate the amounts of manure, litter, and process wastewater to be land applied on land application areas specified below using the methodology described in Section 5 of the NMP and the following site specific permit terms.

Table 2

Land Application Area	Outcome of the field-specific assessment of the potential for nitrogen and phosphorus transport (*1)	Crop	Annual Yield Goal (tons/ac)	Recommendation (lbs/ac) (*2)		Maximum Amount of Nutrients Derived from all Sources (lbs/ac) (*2)			
				Nitrogen	Phosphorus (as P ₂ O ₅)	Nitrogen	Phosphorus (as P ₂ O ₅)		
							At 1.5 times crop removal (*3)	At crop removal (*4)	No phosphorus application allowed (*5)
Field 1	Phosphorus-Based (at 1.5 times crop removal rate)	Corn Silage / Small Grain Silage	25 / 8	445	139	445	209	139	0
		Small Grain Silage	8	134	43	134	65	43	0
		Forage Sorghum	10	240	83	240	125	83	0
		Sorghum Silage / Small Grain Silage	20 / 8	375	117	375	176	117	0
		Cotton	3 (*6)	150	35	150	53	35	0
Field 2	Phosphorus-Based (at 1.5 times crop removal rate)	Corn Silage / Small Grain Silage	25 / 8	445	139	445	209	139	0
		Small Grain Silage	8	134	43	134	65	43	0
		Forage Sorghum	10	240	83	240	125	83	0
		Sorghum Silage / Small Grain Silage	20 / 8	375	117	375	176	117	0
		Cotton	3 (*6)	150	35	150	53	35	0
Field 3A	Phosphorus-Based (at 1.5 times crop removal rate)	Corn Silage / Small Grain Silage	25 / 8	445	139	445	209	139	0
		Small Grain Silage	8	134	43	134	65	43	0
		Forage Sorghum	10	240	83	240	125	83	0
		Sorghum Silage / Small Grain Silage	20 / 8	375	117	375	176	117	0
		Cotton	3 (*6)	150	35	150	53	35	0

Field 3B	Phosphorus-Based (at 1.5 times crop removal rate)	Corn Silage / Small Grain Silage	25 / 8	445	139	445	209	139	0
		Small Grain Silage	8	134	43	134	65	43	0
		Forage Sorghum	10	240	83	240	125	83	0
		Sorghum Silage / Small Grain Silage	20 / 8	375	117	375	176	117	0
		Cotton	3 (*6)	150	35	150	53	35	0
Field 4	Phosphorus-Based (at 1.5 times crop removal rate)	Corn Silage / Small Grain Silage	25 / 8	445	139	445	209	139	0
		Small Grain Silage	8	134	43	134	65	43	0
		Forage Sorghum	10	240	83	240	125	83	0
		Sorghum Silage / Small Grain Silage	20 / 8	375	117	375	176	117	0
		Cotton	3 (*6)	150	35	150	53	35	0

Footnotes

*1 Outcome of the New Mexico Phosphorus Index (New Mexico NRCS Agronomy Technical Note 57) must be recalculated at least annually using the most recent soil test results.

*2 Nutrient recommendations and maximum amount of nutrients derived from all sources have been established for both nitrogen and phosphorus; However, land application of manure and process wastewater shall be based on the outcome of the field-specific assessment of the potential for nitrogen and phosphorus transport as identified above.

*3 To be used when the phosphorus application classification rating of the New Mexico Phosphorus Index (New Mexico NRCS Agronomy Technical Note 57) is determined to be “Phosphorus Based (1.5 times crop removal).”

*4 To be used when the phosphorus application classification rating of the New Mexico Phosphorus Index (New Mexico NRCS Agronomy Technical Note 57) is determined to be “Phosphorus Based (at crop removal).”

*5 To be used when the phosphorus application classification rating of the New Mexico Phosphorus Index (New Mexico NRCS Agronomy Technical Note 57) is determined to be “No Phosphorus Application Allowed.”

*6 Bale

C. Site Specific Conservation Practices

Table 3

Agricultural Well Head	Setback Requirement
1	Compliance alternative: 1) Well located up gradient of feedyard pens and land application. 2) Well includes a concrete surface slab. 3) Maintain surface gradients sloping away from the wellhead outside the concrete foundation to prevent the ponding of effluent in the proximity to the well. 4) Each wellhead will be observed on regular intervals.
2	Compliance alternative: 1) Well located up gradient of feedyard pens and land application. 2) Well includes a concrete surface slab. 3) Maintain surface gradients sloping away from the wellhead outside the concrete foundation to prevent the ponding of effluent in the proximity to the well. 4) Each wellhead will be observed on regular intervals.
3	100-foot setback.
4	100-foot setback.
5	Compliance alternative: 1) Well located outside the pivot. 2) Well includes a concrete surface slab. 3) Maintain surface gradients sloping away from the wellhead outside the concrete foundation to prevent the ponding of effluent in the proximity to the well. 4) Each wellhead will be observed on regular intervals.
6	100-foot setback or properly plug well.
7	100-foot setback
8	100-foot setback
9	Compliance alternative: 1) Well will be covered with a protective structure/shield to prevent direct contact between the effluent and the wellhead. 2) Well includes a concrete surface slab. 3) Maintain surface gradients sloping away from the wellhead outside the concrete foundation to prevent the ponding of effluent in the proximity to the well. 4) Each wellhead will be observed on regular intervals.
10	Compliance alternative: 1) Well will be covered with a protective structure/shield to prevent direct contact between the effluent and the wellhead. 2) Well includes a concrete surface slab. 3) Maintain surface gradients sloping away from the wellhead outside the concrete foundation to prevent the ponding of effluent in the proximity to the well. 4) Each wellhead will be observed on regular intervals.
11	Compliance alternative: 1) Well will be covered with a protective structure/shield to prevent direct contact between the effluent and the wellhead. 2) Well includes a concrete surface slab. 3) Maintain surface gradients sloping away

	from the wellhead outside the concrete foundation to prevent the ponding of effluent in the proximity to the well. 4) Each wellhead will be observed on regular intervals.
12	100-foot setback

D. Protocols for appropriate testing of manure, litter, and process wastewater

Manure and process wastewater shall be sampled in accordance with Section 7 of the NMP.

E. Mortality Management

All mortalities shall be disposed of in accordance with Section 3 of the NMP.

F. Clean Water Diversion

Clean water diversion shall be achieved in accordance with Figure 2.3 in Section 2 of the NMP and Table 3.1 in Section 3 of the NMP.