

ATTACHMENT E
SITE SPECIFIC INFORMATION FOR LMUS 1 & 2 FROM NUTRIENT MANAGEMENT PLAN

Land Management Unit Name	Application Acreage	Crops	Yield Goal	N lb/ac*	P₂O₅ lb/ac*	Current Soil Test P ppm	P Runoff Potential
LMU 1	158	Coastal Hay, Rye Grass/ Wheat Forage	3-4 Cut, mod graze/2000 lbs	279	340	100	Medium
LMU 2	67	Coastal Hay, Small Grains/ Corn	3-4 Cut, mod graze/50 – 70 bushels	185	205	34	Medium

NOTE

* Nutrients Applied When Application is At Maximum Rates from NMP 590-633 Plan V 4.0_5 with the Print Date 12/11/11. Maximum rates are based on wastewater and manure analyses date processed 11/23/2011 and soil analysis date 9/28-9/29/2011 by the Soil, Water and Forage Testing Laboratory, AgriLife Extension, College Station, Texas. The Maximum Rates (lb/ac) for nitrogen (N) and phosphorus (P₂O₅) will be updated annually based on newer analyses of soil and waste.

ATTACHMENT F
TERMS OF THE NUTRIENT MANAGEMENT PLAN

Land Management Unit Name	Application Acreage	Crop	Annual Yield Goal	*P Index Classification		*Recommended Rate Basis
				P – Index Rating	Soil Test P Level	
LMU 1	158	Coastal Hay, Rye Grass	3-4 Cut, mod graze	Very Low-Low Medium High Very High	< threshold	Annual N Requirement 2.0 × Annual Crop P Requirement 1.5 × Annual Crop P Requirement 1.0 × Annual Crop P Requirement
				Very Low-Low Medium High Very High	> threshold	Annual N Crop Removal 1.5 × Annual Crop P Removal 1.0 × Annual Crop P Removal 0.5 × Annual Crop P Removal
LMU 1	158	Wheat Forage	2000 lbs	Very Low-Low Medium High Very High	< threshold	Annual N Requirement 2.0 × Annual Crop P Requirement 1.5 × Annual Crop P Requirement 1.0 × Annual Crop P Requirement
				Very Low-Low Medium High Very High	> threshold	Annual N Crop Removal 1.5 × Annual Crop P Removal 1.0 × Annual Crop P Removal 0.5 × Annual Crop P Removal
LMU 2	67	Coastal Hay, Small Grains	3-4 Cut, mod graze	Very Low-Low Medium High Very High	< threshold	Annual N Requirement 2.0 × Annual Crop P Requirement 1.5 × Annual Crop P Requirement 1.0 × Annual Crop P Requirement
				Very Low-Low Medium High Very High	> threshold	Annual N Crop Removal 1.5 × Annual Crop P Removal 1 × Annual Crop P Removal 0.5 × Annual Crop P Removal
LMU 2	67	Corn	50 – 70 bushels	Very Low-Low Medium High Very High	< threshold	Annual N Requirement 2.0 × Annual Crop P Requirement 1.5 × Annual Crop P Requirement 1.0 × Annual Crop P Requirement
				Very Low-Low Medium High Very High	> threshold	Annual N Crop Removal 1.5 × Annual Crop P Removal 1.0 × Annual Crop P Removal 0.5 × Annual Crop P Removal

*Note: Annual Updates to the NMP by a Certified Nutrient Management Specialist, based on the terms outlined in Attachment F, are not considered substantial changes and do not require TCEQ review. Substantial changes include increase in animal headcount, increase in LMU acreage or LMU location; and the use of any crop or yield goal not listed here in Attachment F.

(1) Soil Limitations

Soil Series and Map ID	Potential Limitations	Best Management Practices (BMPs)*
Purves Dugouts - Pd	High shrink-swell clay, Bedrock 6-20 ins	Maintain in permanent grass such as Bermudagrass
Duffau Soils –DuC2	Shallow, 6-20 ins	Maintain in permanent grass such as Bermudagrass
Bolar Denton Complex - BdC	Shallow, 6-20 ins, Bedrock, 20 ins	Maintain in permanent grass such as Bermudagrass

*or an equivalent protective measure identified in an NRCS Practice Standard

(2) Pollutant Sources and Management

Potential Pollutant Source	Best Management Practice (BMP)*
Dead Animals	Collect within 24 hours of death and remove by rendering service, or compost in accordance with Section VII.A.6.(e) of this permit.
Pesticides/Herbicides	Use pesticides/herbicides that degrade rapidly and have low water solubility; use granular formulations when possible; store in well-labeled original container; read and follow use instructions.

* or an alternative BMP as allowed by 30 TAC 321 Subchapter B or an equivalent protective measure identified in an NRCS Practice Standard.