

## Nutrient Management Plan (NMP) and CAFO Permit Application Checklist for SOPCD0000

Facility Name: \_\_\_\_\_

Form Completed by: \_\_\_\_\_

Name of Owner: \_\_\_\_\_

SOPCD Requirements*			Citation of Requirements in CNMP/ NMP			
			Completed by producer or TSP		FOR TDA USE ONLY	
Required Element	Permit Page #	Citation	Item Addressed in (C)NMP on Page #	Initials	Comments	Completed (Yes/ No)
Notice of Intent form	4	1.6.1				
Declarations Page, which addresses the following items:						
Prevents direct contact of confined animals with waters of the State.	9	3.1.E				
Ensures chemicals or other contaminants handled on-site are handled (including spill clean-up) and disposed of properly.	9, 13	3.1.F, 4.10.1.A, 4.10.1.C				
All sampling of soil and manure/litter is conducted according to protocols developed by UT Extension.	9	3.1.H				
A copy of the most recent nutrient management plan (NMP) will be kept as part of the farm records and will be maintained and implemented as written.	9	3.1.J				
If applicable, all waste directed to under-floor waste pits shall be composed entirely of wastewater (i.e., washwater, animal waste) and precipitation runoff from the CAFO areas.	13	4.10.1.B				
Notify TDEC of any significant wildlife mortalities following land application of animal wastes.	13	4.10.1.D				
Address employee training for proper operation and maintenance of facility where employees are responsible for activities that relate to permit compliance.	13	4.10.1.E				
There shall be no land application of nutrients within 24 hours of a precipitation event that may cause runoff. The operator shall not land apply nutrients to frozen, flooded, or saturated soils.	15	4.10.2.F				

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Topo Map with Property Boundary	8	2.3.1				
Ortho Map with Property Boundary showing location of animal barns/ houses, compost bins, litter storage bins, manure lagoons/ holding ponds, nearby roads, fields to which manure/ litter will be applied, sinkholes, neighboring wells, wetlands, etc.						
The NMP addresses Best Management Practices (BMPs)/ conservation practices necessary to manage production area.	9	3.1.A				
The NMP contains BMPs used (i.e. buffers) to control runoff of pollutants from land application.	9	3.1.G				
Ensures adequate waste storage. For liquid waste systems this would include: documentation of the total volume for solids accumulation, design treatment volume, total design volume, and approximate number of days for storage capacity.	9, 17	3.1.B, 5.2.G				
Proper Management of Mortalities (also to be identified in Closure Plan).	9, 16	3.1.C, 4.14				
Clean water is diverted from production area.	9	3.1.D				
Follow latest UT guidance for appropriate testing methods for manure.	9	3.1.H				
Identify methods used to land apply litter, manure, or process wastewater.	9	3.1.I				
Nutrient budget or balance sheet of all nutrients (animal waste, compost, fertilizer, etc.) used on farm based on current UT crop recommendations which ensures appropriate use of nutrients.	9	3.1.I				

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Expected crop yields	17	5.2.I				
The NMP addresses facility maintenance.	9	3.2.C				
Closure/rehabilitation plan for waste system storage/treatment structure(s) and mortalities that addresses facility maintenance until proper closure to be completed within 360 days.	5, 16	1.6.4, 4.13				
Includes field specific assessment of potential for N and P <sub>2</sub> O <sub>5</sub> transport from field to surface waters. Must address form, source, amount, timing, and method of application of nutrients on each field to achieve realistic production goals (TN P Index must be provided for each field).	14	4.10.2.A.i				
Current manure/litter analysis for N and P <sub>2</sub> O <sub>5</sub> (from within last year).	14	4.10.2.B				
Provide results of soil test conducted at a minimum of once every five years for all fields receiving manure, litter, or process wastewater.	14	4.10.2.B				
Application of waste is no closer than 100 ft. to any down-gradient surface waters, open tile line intake structures, sinkholes, ag. wells, or other conduits to surface waters unless 100 ft. setback with a 35 ft. wide vegetated buffer is substituted or it is demonstrated that a setback/buffer is not needed due to use of alternate conservation practices or where field conditions would provide equivalent pollutant reductions.	14	4.10.2.D				
New CAFOs located adjacent to high quality stream (Exceptional TN waters) leave in place a 60-ft natural riparian buffer between stream and land application area.	14	4.10.2.E				

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<b>Liquid Waste Management System Requirements</b>						
If liquid waste management system was constructed, modified, repaired, or placed in operation after April 13, 2006, it must meet or exceed NRCS FOTG standards. This should consist of pertinent engineered drawings (i.e. schematic of system) accompanied by a descriptive narrative.	15	4.11				
Any new or additional confinement buildings, waste containment/ treatment structures constructed after April 13, 2006 shall be located according to NRCS Practice Standard 313.	15	4.11.A				
Information used in the design of open storage area including minimum storage period, minimum storage for rainy seasons and chronic rain events, prohibition of land application to frozen, saturated, or snow-covered ground, dewatering schedules, and additional storage capacity for any manure intended to be transferred offsite or any other information that might affect the sizing of the open storage area.						
Design of open storage structure as determined by most recent version of NRCS Animal Waste Management (AWM) software or procedures approved by the Director of Water Resources						

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All inputs used in open storage structure design including climate data for 30 previous years with monthly precipitation and evaporation values, the number and types of animals, anticipated animal sizes or weights, any added water and bedding, any other process wastewater, size and condition of outside areas exposed to rainfall and contributing runoff to the open manure storage area.						
Documentation of the total volume for solids accumulation, design treatment volume, total design volume, approximate number of days for storage capacity.	17	5.2.G				
If any earthen structures were constructed or modified after April 13, 2006, a subsurface investigation is provided.	15	4.11.B				

Comments: