

Nutrient Management Plan (NMP) and CAFO Permit Application Checklist for SOPCI0000

Facility Name: Cypress Creek
 Name of Owner: William Thompson

Form Completed by: Sarah Hovis

SOPCI Requirements*			Citation of Requirements in CNMP/ NMP			
			Completed by producer or TSP		FOR TDA USE ONLY	
Required Element	Permit Page #	Citation	Item	Initials	Comments	Completed (Yes/ No)
			Addressed in (C)NMP on Page #			
1. Notice of Intent form w/signature	4	1.6.1				Yes
2. Nutrient Management Plan with signature of producer and TSP (if TSP assists with planning)						Yes
3. Declarations Page with signature						Yes
4. Topo Map with Property Boundary	8	2.3.1				Yes
5. 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.						Yes
6. The NMP addresses Best Management Practices (BMPs)/ conservation practices necessary to manage production area.	9	3.1.A				Yes
7. The NMP contains BMPs used (i.e. buffers) to control runoff of pollutants from land application.	9	3.1.G				Yes
8. 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				Yes
9. Proper Management of Mortalities (also to be identified in Closure Plan).	9, 16	3.1.C, 4.14				Yes
10. Clean water is diverted from production area.	9	3.1.D				Yes
11. Follow latest UT guidance for appropriate testing methods for manure.	9	3.1.H				Yes

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12. Identify methods used to land apply litter, manure, or process wastewater.	9	3.1.I				Yes
13. 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				Yes
14. Expected crop yields	17	5.2.I				Yes
15. The NMP addresses facility maintenance.	9	3.2.C				Yes
16. 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				Yes
17. Includes field specific assessment of potential for N and P ₂ O ₅ 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				Yes
18. Current manure/litter analysis for N and P ₂ O ₅ (from within last year).	14	4.10.2.B				Yes
19. 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				Yes

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20. 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				Yes
21. 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				N/A
Liquid Waste Management System Requirements						
22. 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				N/A
23. 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				Yes

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24. 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.						N/A
25. 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						N/A
26. 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.						N/A
27. If any earthen structures were constructed or modified after April 13, 2006, a subsurface investigation is provided.	15	4.11.B				N/A



TENNESSEE DEPARTMENT OF AGRICULTURE

Land & Water Stewardship Section

The following individual has submitted all required elements of an NMP/CNMP as required to obtain a CAFO permit. Their Nutrient Management Plan (or CNMP) has been reviewed and approved by this office.

Name of Owner/Operator: William Thompson

Operation Name: Cypress Creek Farm

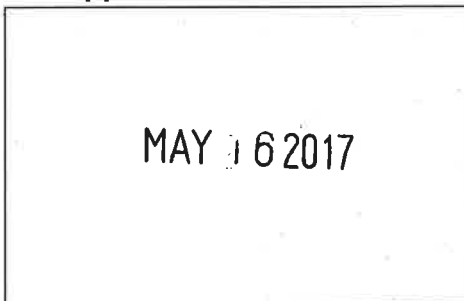
Address of Operation: 238 Red McCorkle Road, Union City, TN 38261

Phone Number: 731-571-3429 County: Obion

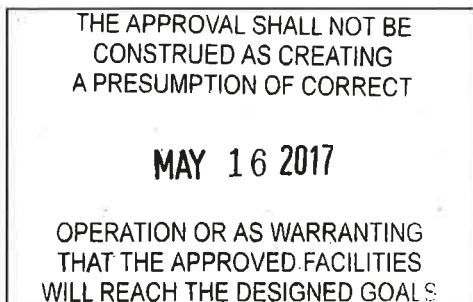
Date application was initiated:



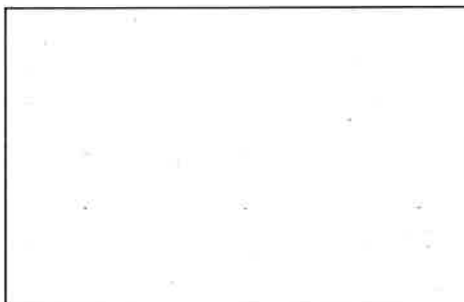
Date approval forwarded to TDEC:



NMP/CNMP Approval Date:



Date approval received by TDEC:



TDA Reviewer's Name: Sarah Hovis

TDA Reviewer's Signature: *Sarah Hovis* 05/16/17
Date