



TENNESSEE DEPARTMENT OF AGRICULTURE

Water Resources Program

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: Khamsay Sengchanh

Operation Name: Khamsay Sengchanh

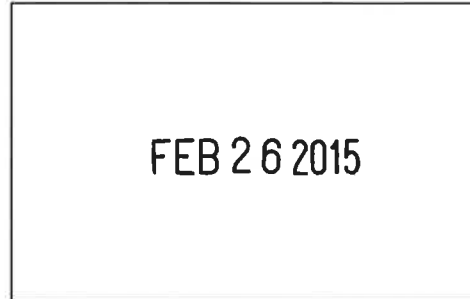
Address of Operation: 510 Gant Road, Shelbyville, TN 37160

Phone Number: (931) 2015-8113 County: Bedford

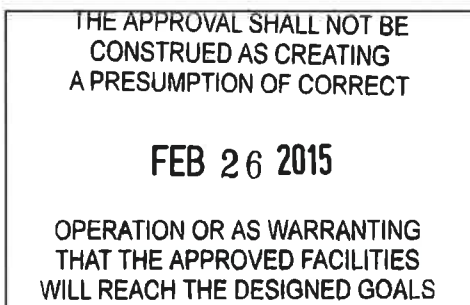
Date application was initiated:



Date approval forwarded to TDEC:



NMP/CNMP Approval Date:



Date approval received by TDEC



TDA Reviewer's Name: Heidi McIntyre-Wilkinson

TDA Reviewer's Signature: *Heidi McIntyre-Wilkinson* 02/27/15
Date

Nutrient Management Plan (NMP) and CAFO Permit Application Checklist for SOPC00000

Facility Name: Khamsay Sengchanh

Form Completed by: Heidi McIntyre-Wilkinson (01/29/15)

Name of Owner: Khamsay Sengchanh

SOPC 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 (NOI) form	4	1.6.1	Attached	HMW	Decrease in birds from 298,400 to 290,400	Yes
Declarations Page, which addresses the following items:			Attached	HMW	Rcvd 02/04/15, but did not realize until 02/26/15 call from Mr. Sengchanh. Attachment was emailed by Gena Coats and labeled as "Litter Report."	Yes
Prevents direct contact of confined animals with waters of the State.	8	3.1.e				
Ensures chemicals or other contaminants handled on-site are handled (including spill clean-up) and disposed of properly.	8, 10	3.1.f, 4.6.1.a, 4.6.1.c				
All sampling of soil and manure/litter is conducted according to protocols developed by UT Extension.	8	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).	10	4.6.1.b				
Notify TDEC of any significant wildlife mortalities following land application of animal wastes.	10	4.6.1.d				

Name of Owner: Khamsay Sengchanh

SOPC 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)
Address employee training for proper operation and maintenance of facility where employees are responsible for activities that relate to permit compliance.	10	4.6.1.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.	12	4.6.2.f	↓	↓		
Topo Map with Property Boundary	7	2.3.1.f	Attached	HMW		Yes
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.			Attached	HMW		Yes
The NMP contains Best Management Practices (BMPs)/ conservation practices necessary to manage production area.	8	3.1.a	3	HMW		Yes
The NMP contains BMPs used (i.e. buffers) to control runoff of pollutants from land application.	8	3.1.g	N/A	HMW	N/A; the facility plans to export 100% of animal waste.	N/A

Name of Owner: Khamsay Sengchanh

SOPC 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)
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.	8, 15	3.1.b, 5.2.g	2	HMW		Yes
Proper Management of Mortalities (also to be identified in Closure Plan).	8, 14	3.1.c, 4.10	2	HMW	Freezing (then rendering)	Yes
Clean water is diverted from the production area.	8, 11	3.1.d, 4.6.1.f	3	HMW		Yes
Follow latest UT guidance for appropriate testing methods for manure.	8	3.1.h				
Identify methods used to land apply litter, manure, or process wastewater.	9	3.1.i	N/A	HMW	N/A; the facility plans to export 100% of animal waste.	N/A
Nutrient budget or balance sheet of all nutrients (animal waste, compost, fertilizer, etc.) used on the farm based on current UT crop recommendations which ensures appropriate use of nutrients.	9	3.1.i	N/A	HMW	N/A; the facility plans to export 100% of animal waste.	N/A
Expected crop yields	15	5.2.h	N/A	HMW	N/A; the facility plans to export 100% of animal waste.	N/A
NMP addresses facility maintenance.	9	3.2.c	3	HMW		Yes

Name of Owner: Khamsay Sengchanh

SOPC 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)
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, 13-14	1.6.3, 4.9	2	HMW		Yes
Includes field specific assessment of potential for N and P2O5 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).	11	4.6.2.a.i	N/A	HMW	N/A; the facility plans to export 100% of animal waste.	N/A
Current manure/litter analysis for N and P ₂ O ₅ (from within last year).	11	4.6.2.b	Attached	HMW	Litter sample's grower name scratched out and "Noy Poultry Farm" hand-written in. Explanation provided via email on 02/04/15, and attached to permit renewal application	Yes
Provide results of soil test conducted at a minimum of once every five years for all fields receiving manure, litter, or process wastewater.	11	4.6.2.b	N/A	HMW	N/A; the facility plans to export 100% of animal waste.	N/A

Name of Owner: Khamsay Sengchanh

SOPC 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)
Applications of waste are 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.	11	4.6.2.d	N/A	HMW	N/A; the facility plans to export 100% of animal waste.	N/A
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.	12	4.6.2.e	N/A	HMW	N/A; the facility plans to export 100% of animal waste.	N/A

Name of Owner: Khamsay Sengchanh

SOPC 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 #			
Liquid Waste Management System Requirements						
Liquid waste management system must be designed to exclude all stormwater and must not contain any design allowances for a discharge.	12	4.7	N/A	HMW	N/A; the facility does not utilize a liquid waste management system.	N/A
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.	12	4.7	↓	↓	↓	↓
Any new or additional confinement buildings, waste containment/ treatment structures constructed after April 13, 2006 shall be located according to NRCS Practice Standard 313.	12	4.7.a	↓	↓	↓	↓
If any earthen structures were constructed or modified after April 13, 2006, a subsurface investigation is provided.	12	4.7.b	↓	↓	↓	↓

Comments: