CAFO Annual Report- Liquid

This must be submitted between January 1 and February 15 each year.

Previous Permit Number (if applicable): 81779

Reporting Period — Report in (mm/dd/yyyy- mm/dd/yyyy): 1/1/20 — 12/31/20

Facility Name: CYPRESS CREEK THOMPSON

Address: 228 RED McCORKLE 289 CAPPS DR.
UNION CITY TN 38261 MARTIN TN 38237

RECEIVED
FEB 22 2021
Division of Water Resources
Jackson Field Office

Phone Number: 731-571-3429

I. Type and Number of Animals

Report the maximum number of animals confined at your facility at any one time
(matches Notice of Intent (NOI) form and previous Nutrient Management Plan)

Type(s) of Animal	Number	Type of Confinement (Open Area or Housed Under One Roof)
PIGS	6400	UNDER ROOF
PIGS	4800	UNDER ROOF

II. Manure Produced

Estimated Amount of Manure Produced: 3,800,000 (gallons)

III. Manure Exported

Estimated Amount of Manure/ Liquid exported off of the farm within the last year: 0 (gallons)

IV. Land Application

Complete this section if you applied manure to owned or leased land. If not applicable, state "N/A".

Total number of acres outlined in your Nutrient Management Plan (NMP) that manure was applied during the past year*: 448 (Personal Farm acres) + 0 (Rented Acres) = 448 (Total acres)

Total number of acres that manure was applied during the past year**: 448 (Personal Farm acres) + 0 (Rented Acres) = 448 (Total acres)

The amount of supplemental (commercial) fertilizer applied during the last year: NONE (pounds or tons or gallons)

The actual amount of manure applied during the last year*: 2,742,970 (tons or pounds or gallons)

** If no manure was land applied on your farm or rented fields, state "none."*

*** If more acres were land applied than what was outlined in your NMP, attach a brief explanation.*

CC - 1,309,093
THOMPSON - 1,433,877

1) A List of the Actual Crops Planted.
2) The Actual Yield(s) for Each Crop.
3) The Calculations Used to Determine Nutrient Appplications (*if not calculated in or if planted out of sequence shown in current Nutrient Management Plan*).

Field	2020 CROP Crop Planted	Expected Yield	Actual Yield		Field	2021 CROP Crop Planted	Expected Yield	Actual Yield
JERN	CORN	180			CRENS	BEANS	50	
THURMAN	CORN	180			CRENS FIN	WHEAT	80	
CRENS	CORN	170			[illegible]BENS	BEANS	50	
CRENS FIN	CORN	220						

Rev Jul 15 2014

CAFO Annual Report- Liquid (cont.)

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V. Lab Results*

* If all liquid waste is comingled, only one manure sample is required.

T Manure Analysis #1 Nitrogen 97.99 Phosphorus 79.0 Potassium 34.55

CC Manure Analysis #2 Nitrogen 69.79 Phosphorus 70.85 Potassium 30.0

Manure Analysis #3 Nitrogen _____ Phosphorus _____ Potassium _____

Attach copies of your manure test results.

Soils Analysis If soils analyses were taken within the last year and the results were not disclosed in your most recent Nutrient Managament Plan, please submit copies of the results for each field.

VI. Other

Was your current NMP developed by a certified nutrient management planner? YES (Yes or No)

(Please note, this is not a requirement)

Did any of your manure or process wastewater discharge into the waters of the state this last year?

NO (Yes or No) If "Yes" what amount: _____ (gallons)

_____ (date of release) _____ (time of release)

Attach a copy of the current permit's Appendix B and Appendix C forms.

VII. Contact Information

Mail Annual Reports to:

Tennessee Department of Environment and Conservation (TDEC)
Division of Water Resources
ATTN: John Newberry, Permit Writer
Snodgrass - Tennessee Tower
11th Floor
312 Rosa L. Parks BLvd.
Nashville, TN 37243

Personnel:
John Newberry (615) 532-7743
Brad Harris (615) 532-5367

Notes:

Appendix B – Agreement for the Removal of Litter, Manure and/or Process Wastewater

The conditions listed below help to protect water quality. These conditions apply to litter, manure and/or process wastewater removed from an AFO. This agreement is for (amount of waste removed, i.e. tons, gallons, etc.) _____ of waste, removed on (date)_____, from the facility owned by William M. Thompson III and located at 238 Red McCorkle Rd., Union City, TN.

A. The litter, manure and/or process wastewater must be managed to ensure there is no discharge of litter, manure and/or process wastewater to surface or groundwater.

B. When removed from the facility, litter, manure and/or process wastewater should be applied directly to the field or stockpiled and covered with plastic or stored in a building.

C. Litter, manure and/or process wastewater must not be stockpiled near streams, sinkholes, wetlands or wells.

D. Fields receiving litter, manure and/or process wastewater should be soil tested at least every two or three years.

E. A litter, manure and/or process wastewater nutrient analysis should be used to determine application rates for various crops.

F. Calibrate spreading equipment and apply litter, manure and/or process wastewater uniformly.

G. Apply no more nitrogen or phosphorus than can be used by the crop.

H. A buffer zone is recommended between the application sites and adjacent streams, lakes, ponds, sinkholes and wells. The following non-application buffer widths, taken from NRCS Conservation Practice Standard 590, should be used when applicable:

Object, Site	Buffer Width, feet	Situation
Wells	150	Up-slope of application site
	300	Down-slope of application site, if conditions warrant application
Water body	30-100	Depending on the amount and quality of vegetation and slope
Public Use Area	300	All
Residences	300	Other than producer

I. Do not apply litter, manure and/or process wastewater when the ground is frozen, flooded, saturated or on steep slopes subject to flooding, erosion or rapid runoff.

J. Cover vehicles hauling litter, manure and/or process wastewater on public roads.

K. Keep records of locations where poultry litter will be used as a fertilizer.

I, _____ am the person receiving litter, manure, and/or
(name)
process wastewater and do understand the conditions listed above.

_____ _____
(signature) (date)

_____ _____
(address) (phone)

Appendix C – Names of Persons and/or Firms that Remove Litter, Manure and/or Process Wastewater

Cypress Creek Farm (TN0081779)

Name:	MANURE PUMPING SOLUTIONS	**Name:**	
Address:	120 HALES RD CLINTON KY 42031	**Address:**	
Phone No.:	270-703-1535	**Phone No.:**	
Tons Removed:	2,093,542	**Tons Removed:**	
Date:	APR 10-19-2020	**Date:**	
Name:	EDWARDS CUSTOM PUMPING	**Name:**	
Address:	6025 BRIARPATCH LAKE RD PARIS TN 38242	**Address:**	
Phone No.:	731-336-3712	**Phone No.:**	
Tons Removed:	649,431	**Tons Removed:**	
Date:	11/24/20	**Date:**	
Name:		**Name:**	
Address:		**Address:**	
Phone No.:		**Phone No.:**	
Tons Removed:		**Tons Removed:**	
Date:		**Date:**	
Name:		**Name:**	
Address:		**Address:**	
Phone No.:		**Phone No.:**	
Tons Removed:		**Tons Removed:**	
Date:		**Date:**	
Name:		**Name:**	
Address:		**Address:**	
Phone No.:		**Phone No.:**	
Tons Removed:		**Tons Removed:**	
Date:		**Date:**	

BROOKSIDE LABORATORIES, INC.

** MANURE ANALYSIS REPORT **

William Thompson III

File Number: 5517
Date Received:04/16/2020
Date Reported:04/20/2020

cc

Submitted By: Jenkins Precision Ag Services

Lab Number		2553			2554	
Description		CYPRESS CREEK 1 BARN 1			CYPRESS CREEK 1 LAGOON	
	% Dry Basis	% Wet Basis	lbs/ 1000gal	% Dry Basis	% Wet Basis	lbs/ 1000gal
Moisture		91.40	7512.9		99.69	8197.6
Mineral Matter	30.93	2.66	218.65	61.29	0.19	15.62
Lost By Ign (Org M+)	69.07	5.94	488.26	38.71	0.12	9.87
Total Nitrogen	9.87	0.849	69.79	12.26	0.038	3.12
Ammonium-N (NH4-N)	6.28	0.540	44.39	11.29	0.035	2.88
Nitrate-N (NO3-N)		< 0.010			< 0.010	
Organic-N	3.59	0.309	25.40	0.97	0.003	0.25
Phosphorus (P)	4.37	0.376	30.91	6.13	0.019	1.56
Phos. as (P205)	10.02	0.862	70.85	14.19	0.044	3.62
Potassium (K)	3.52	0.303	24.91	21.61	0.067	5.51
Potassium as (K20)	4.24	0.365	30.00	26.13	0.081	6.66

Reviewed by

BROOKSIDE LABORATORIES, INC.

** MANURE ANALYSIS REPORT **

William Thompson III

T

File Number: 55117
Date Received: 04/24/2020
Date Reported: 04/28/2020

Submitted By: Jenkins Precision Ag Services

Lab Number			2795
Description			CREWS 1 1A
	% Dry Basis	% Wet Basis	lbs/ 1000gal
Moisture		88.45	7240.9
Mineral Matter	25.37	2.93	239.86
Lost By Ign (Org M+)	74.63	8.62	705.67
Total Nitrogen	10.36	1.197	97.99
Ammonium-N (NH4-N)	5.04	0.582	47.65
Nitrate-N (NO3-N)		< 0.010	
Organic-N	5.32	0.615	50.35
Phosphorus (P)	3.65	0.421	34.46
Phos. as (P205)	8.35	0.965	79.00
Potassium (K)	3.03	0.350	28.65
Potassium as (K20)	3.65	0.422	34.55

Reviewed by