

CAFO Annual Report- Liquid

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

Previous Permit Number (if applicable) 81779

Reporting Period 1 / 1 / 18 Report in (mm/dd/yyyy-mm/dd/yyyy) 12 / 31 / 18

Facility Name: CYPRESS CREEK THOMPSON

Address: 228 RED M^cCORKLE UNION CITY TN 38261 389 CAPPS DR MARTIN TN 38237

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	6800	UNDER ROOF
PIGS	5000	UNDER ROOF

II. Manure Produced

Estimated Amount of Manure Produced 3,900,000
(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*:

257 (Personal Farm acres) + 0 (Rented Acres) = 257 (Total acres)

Total number of acres that manure was applied during the past year**:

257 (Personal Farm acres) + 0 (Rented Acres) = 257 (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*:

1,287,000
(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.

CYP CRK 791,000
THOMPSON 496,000

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

2018 CROP				2019 CROP			
Field	Crop Planted	Expected Yield	Actual Yield	Field	Crop Planted	Expected Yield	Actual Yield
CREWS	BEANS		43.162	CREWS 1PR	CORN	220	
G'VIEW	CORN		188.0				

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 cc	Manure Analysis #1	Nitrogen	<u>55.33</u>	Phosphorus	<u>33.99</u>	Potassium	<u>32.14</u>
	Manure Analysis #2	Nitrogen	<u>52.98</u>	Phosphorus	<u>36.0</u>	Potassium	<u>33.78</u>
	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 Management Plan, please submit copies of the results for each field.

VI. Other

Was your current NMP developed by a certified nutrient management planner?

(Please note, this is not a requirement)

YES

(Yes or No)

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: _____
Address: _____

Phone No.: _____
Tons Removed: _____
Date: _____

Name: _____
Address: _____

Phone No.: _____
Tons Removed: _____
Date: _____

Name: _____
Address: _____

Phone No.: _____
Tons Removed: _____
Date: _____

Name: _____
Address: _____

Phone No.: _____
Tons Removed: _____
Date: _____

Name: _____
Address: _____

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Date: _____

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Address: _____

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Tons Removed: _____
Date: _____

Name: _____
Address: _____

Phone No.: _____
Tons Removed: _____
Date: _____

Name: _____
Address: _____

Phone No.: _____
Tons Removed: _____
Date: _____

BROOKSIDE LABORATORIES, INC.

** MANURE ANALYSIS REPORT **

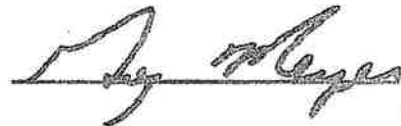
William Thompson III

File Number: 55117
Date Received: 12/1/2017
Date Reported: 12/5/2017

Submitted By: Jenkins Precision Ag Services LLC

Lab Number Description			
	18590		
	Middle Barn		
	1		
	1A		
	% Dry Basis	% Wet Basis	lbs/ 1000gal
Moisture		94.27	7951.79
Mineral Matter	26.53	1.52	128.21
Lost By Ign (Org M+)	73.47	4.21	355.12
Total Nitrogen	11.45	0.656	<u>55.33</u>
Ammonium-N (NH4-N)	10.00	0.573	48.33
Nitrate-N (NO3-N)		< 0.010	
Organic-N	1.45	0.083	7.00
Phosphorus (P)	3.07	0.176	14.85
Phos. as (P205)	7.03	0.403	<u>33.99</u>
Potassium (K)	5.51	0.316	26.65
Potassium as (K20)	6.65	0.381	<u>32.14</u>

Reviewed by:



BROOKSIDE LABORATORIES, INC.

** MANURE ANALYSIS REPORT **

William Thompson III

File Number: 55117

Date Received: 12/08/2017

Date Reported: 12/12/2017

Submitted By: Jenkins Precision Ag Services LLC

Lab Number 18795
Description Middle Barn
1
2A

% Dry % Wet lbs/
Basis Basis 1000gal

Moisture 95.37 8136.1
Mineral Matter 34.34 1.59 135.64
Lost By Ign (Org M+) 65.66 3.04 259.35

Total Nitrogen 13.41 0.621 52.98
Ammonium-N (NH4-N) 10.97 0.508 43.34
Nitrate-N (NO3-N) < 0.010
Organic-N 2.44 0.113 9.64
Phosphorus (P) 3.97 0.184 15.70
Phos. as (P205) 9.11 0.422 36.00
Potassium (K) 7.11 0.329 28.07
Potassium as (K20) 8.55 0.396 33.78

Calcium (Ca) 2.05 0.095 8.10 -
Magnesium (Mg) 0.97 0.045 3.84 -
Sodium (Na) 2.10 0.097 8.28 -
Sulfur (S) 1.36 0.063 5.37 -

ppm Dry ppm Wet lbs/
Basis Basis 1000gal

Boron (B) 51.62 2.39 0.020
Iron (Fe) 1678.19 77.70 0.663
Manganese (Mn) 358.53 16.60 0.142
Copper (Cu) 1371.49 63.50 0.542
Zinc (Zn) 1883.37 87.20 0.744

Reviewed by

