

FEB - 1 2018

DIVISION OF WATER RESOURCES

**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 / 17 Report in (mm/dd/yyyy- mm/dd/yyyy) 12 / 31 / 17

Facility Name: CYPRESS CREEK THOMPSON

Address: 228 RED MCCOY LK 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\*: 166 (Personal Farm acres) + 101 (Rented Acres) = 267 (Total acres)

Total number of acres that manure was applied during the past year\*\*: 166 (Personal Farm acres) + 101 (Rented Acres) = 267 (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\*: 2,130,000 (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 CREEK - 1,392,000  
THOMPSON - 738,000

- 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 ). 2017 CROP 2018 CROP

Field	Crop Planted	Expected Yield	Actual Yield		Field	Crop Planted	Expected Yield	Actual Yield
JENNIGAN	BEANS		49.55		CRENS	CORN	210	
GRANDVIEW	CORN		199.6					

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.

THOMPSON	Manure Analysis #1	Nitrogen	<u>55.33</u>	Phosphorus	<u>33.99</u>	Potassium	<u>32.14</u>
CC	Manure Analysis #2	Nitrogen	<u>52.98</u>	Phosphorus	<u>36.00</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:

(date of release)

(gallons)

(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:

# 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

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Lab Number	18590
Description	Middle Barn
	1
	1A

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	% 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
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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 (P2O5)	7.03	0.403	<u>33.99</u>
Potassium (K)	5.51	0.316	26.65
Potassium as (K2O)	6.65	0.381	<u>32.14</u>

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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 Basis	% Wet Basis	lbs/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
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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
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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 Basis	ppm Wet Basis	lbs/1000gal
Boron (B)	51.62	2.39	0.020 ← <del>0.020</del>
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



## 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: \_\_\_\_\_  
\_\_\_\_\_  
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: \_\_\_\_\_  
\_\_\_\_\_  
Phone No.: \_\_\_\_\_  
Tons Removed: \_\_\_\_\_  
Date: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone No.: \_\_\_\_\_  
Tons Removed: \_\_\_\_\_  
Date: \_\_\_\_\_