

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 / 23 Report in (mm/dd/yyyy - mm/dd/yyyy) 12 / 31 / 23

Facility Name: CYPRESS CREEK THOMPSON

Address: 228 RED M^cCARLIE UNION CITY TN 38261 289 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	6460	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*: 420 (Personal Farm acres) + 0 (Rented Acres) = 420 (Total acres)

Total number of acres that manure was applied during the past year** 420 (Personal Farm acres) + 0 (Rented Acres) = 420 (Total acres)

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

The actual amount of manure applied during the last year*: 2,531,403 (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.



- 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). 2023 2024

Field	Crop Planted	Expected Yield	Actual Yield		Field	Crop Planted	Expected Yield	Actual Yield
NORBERT	CORN	220	225		CRENS	CORN	200	
GRANDVIEW	CORN	220	215		JEAN	CORN	200	
					CHOCOK	CORN	210	
					NORBERT	CORN	230	

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CAFO Annual Report- Liquid (cont.)

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V. Lab Results*

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

Manure Analysis #1	Nitrogen	<u>46.28</u>	Phosphorus	<u>14.98</u>	Potassium	<u>33.54</u>
Manure Analysis #2	Nitrogen	<u>48.62</u>	Phosphorus	<u>49.78</u>	Potassium	<u>30.10</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.

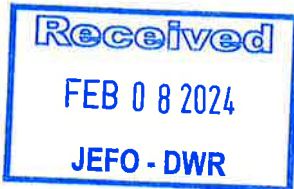
VII. Contact Information

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 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
William Thompson dba Cypress Creek Farm (TN0081779)**

Name:	<u>EDWARDS CUSTOM PUMPING</u>	Name:	_____
Address:	<u>1085 HERNDONALE EAST RD</u>	Address:	_____
	<u>PARIS TN 38242</u>		_____
Phone No.:	<u>731-431-8287</u>	Phone No.:	_____
Tons Removed:	<u>2,531,403 GAL</u>	Tons Removed:	_____
Date:	<u>11/7/23</u>	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:	_____

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



Manure Analysis

Waters Agricultural Laboratories, Inc

2101 Calhoun Rd | Owensboro, KY 42301- | Phone (270) 685-4039



VANTAGE MIDSOUTH 91 HADLEY ROAD RUTHERFORD, TN 38369-	Grower: WILLIAM THOMPSON
	Sample Number: THOMPSON 2 Lab Number: 14504MS
Received: 12/8/2023 Processed: 12/13/2023	
Type: Manure Liquid Slurry-Other	
Application Method: Injected	

Liquid Manure/Sludge Analysis

Analyte	Result (ppm)	Result (lbs / 1000 gallons)	Estimate of Nutrients Available First Year (lbs/1000 gallons)
Nitrogen - Total	5550	46.2870	27.7722
Ammonium - Nitrogen	4536	37.8302	37.8302
Nitrate - Nitrogen	47.6	0.3970	0.397
P2O5 - Total	1797	14.9870	14.987
K2O - Total	4022	33.5435	33.5435
Magnesium - Total	148	1.2343	1.2343
Calcium - Total	495	4.1283	4.1283
Sulfur - Total	570	4.7538	4.7538
Boron - Total	2.40	0.0200	0.02
Zinc - Total	63.0	0.5254	0.5254
Manganese - Total	9.42	0.0786	0.0786
Iron - Total	78.7	0.6564	0.6564
Copper - Total	61.0	0.5087	0.5087
Aluminum - Total	9.03	0.0753	0.0753
Sodium - Total	1063	8.8654	8.8654

Additional Analysis

Analyte	Result	Units
Moisture	98.85	%

Results Reported On: Liquid Basis

Comments:

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Manure Analysis

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*"Improving Growth...
With Science"*

VANTAGE MIDSOUTH 91 HADLEY ROAD RUTHERFORD, TN 38369-	Grower: WILLIAM THOMPSON
	Sample Number: CYPRESS 2 Lab Number: 14506MS Received: 12/8/2023 Processed: 12/13/2023
Type: Manure Liquid Slurry-Other Application Method: Injected	

Liquid Manure/Sludge Analysis

Analyte	Result (ppm)	Result (lbs / 1000 gallons)	Estimate of Nutrients Available First Year (lbs/1000 gallons)
Nitrogen - Total	5830	48.6222	29.1733
Ammonium - Nitrogen	4200	35.0280	35.028
Nitrate - Nitrogen	104	0.8674	0.8674
P2O5 - Total	5969	49.7815	49.7815
K2O - Total	3610	30.1074	30.1074
Magnesium - Total	1261	10.5167	10.5167
Calcium - Total	1885	15.7209	15.7209
Sulfur - Total	798	6.6553	6.6553
Boron - Total	3.02	0.0252	0.0252
Zinc - Total	170	1.4178	1.4178
Manganese - Total	41.5	0.3461	0.3461
Iron - Total	185	1.5429	1.5429
Copper - Total	111	0.9257	0.9257
Aluminum - Total	29.1	0.2427	0.2427
Sodium - Total	961	8.0147	8.0147

Additional Analysis

Analyte	Result	Units
Moisture	90.09	%

Results Reported On: Liquid Basis

Comments: