

RECEIVED

MAR 01 2023

CAFO Annual Report- Liquid

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

Division of Water Resources
Jackson Field Office

Previous Permit Number (if applicable) 81779 Reporting Period 1/1/22 Report in (mm/dd/yyyy- mm/dd/yyyy) 12/31/22

Facility Name: CYPRESS CREEK THOMPSON
Address: 228 RED M^C CORNICE 289 CAPOS DR
UNION CITY TN 38261 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	6400	UNDER ROOF
PIGS	4800	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: 442,560
(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*: 352 (Personal Farm acres) + 0 (Rented Acres) = 352 (Total acres)

Total number of acres that manure was applied during the past year**: 352 (Personal Farm acres) + 0 (Rented Acres) = 352 (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*: 1,928,714
(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.

RECEIVED

MAR 01 2023

Division of Water Resources
Jackson Field Office

- 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). ²⁰²² ²⁰²³

Field	Crop Planted	Expected Yield	Actual Yield	Field	Crop Planted	Expected Yield	Actual Yield
CREWS	CORN	180	140	NORRICK	CORN	220	
CRENS PIN	CORN	220	250	GRANDVIEW	CORN	220	
GIP CRK	BEANS	60	65				
JEAN	CORN	180	160				

Rev Jul 15 2014

CAFO Annual Report- Liquid (cont.)

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

V. Lab Results*

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

Manure Analysis #1	Nitrogen	<u>40.25</u>	Phosphorus	<u>23.9</u>	Potassium	<u>30.37</u>
Manure Analysis #2	Nitrogen	<u>42.59</u>	Phosphorus	<u>30.44</u>	Potassium	<u>33.11</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:

RECEIVED

MAR 01 2023

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

Division of Water Resources
Region 1 Field Office

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.) 642,560 GAL of waste, removed on (date) 4/28/22, 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, Charles Ream Farm am the person receiving litter, manure, and/or process wastewater and do understand the conditions listed above.

Charles Ream
(signature)

8-23-22
(date)

So. Fulton Tn 5122 Club Rd
(address) 38257

731-446-0287
(phone)

RECEIVED

MAR 01 2023

Division of Water Resources
Jackson Field Office

**Appendix C – Names of Persons and/or Firms that
Remove Litter, Manure and/or Process Wastewater
William Thompson dba Cypress Creek Farm (TN0081779)**

Name:	EDWARDS CUSTOM PUMPING	Name:	_____
Address:	6025 BRIARPATCH LANE RD PARIS TN 38242	Address:	_____
Phone No.:	731-336-3712	Phone No.:	_____
Tons Removed:	2,571 274 GAL	Tons Removed:	_____
Date:	4/29/22	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:	_____

RECEIVED

MAR 01 2023

"Improving Growth...
With Science"
Division of Water Resources
Jackson Field Office



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 Lab Number: 13587MS Received: 11/28/2022 Processed: 11/29/2022
Type: Manure Liquid Slurry-Other Application Method: Broadcast	

Liquid Manure/Sludge Analysis

Analyte	Result (ppm)	lbs / 1000 gallons	Estimate of Nutrients Available (lbs/1000 gallons)
Nitrogen-Total	4826.5	40.2530	16.1012
P2O5-Total	2866.5	23.9066	23.9066
K2O-Total	3641.4	30.3693	30.3693
Magnesium	428.9	3.5770	3.577
Calcium	768.3	6.4076	6.4076
Sulfur	438.8	3.6596	3.6596
Boron	2.67	0.0223	0.0223
Zinc	76.96	0.6418	0.6418
Manganese	15.36	0.1281	0.1281
Iron	87.9	0.7331	0.7331
Copper	58.8	0.4904	0.4904
Aluminum	13.23	0.1103	0.1103
Sodium	988.7	8.2458	8.2458

Additional Analysis

Analyte	Result	Units
Moisture	97.53	ppm

Results Reported On: Liquid Basis

Comments:



Manure Analysis

Waters Agricultural Laboratories, Inc

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

RECEIVED

MAR 01 2023
 "Improving Growth
 With Science"
 DIVISION of Water Resources
 Jackson Field Office

VANTAGE MIDSOUTH 91 HADLEY ROAD RUTHERFORD, TN 38369-	Grower: WILLIAM THOMPSON
	Sample Number: CYPRESS Lab Number: 13588MS Received: 11/28/2022 Processed: 11/29/2022
Type: Manure Liquid Slurry-Other Application Method: Broadcast	

Liquid Manure/Sludge Analysis

Analyte	Result (ppm)	lbs / 1000 gallons	Estimate of Nutrients Available (lbs/1000 gallons)
Nitrogen-Total	5107.3	42.5949	17.038
P2O5-Total	3650.1	30.4418	30.4418
K2O-Total	3970.2	33.1115	33.1115
Magnesium	560.7	4.6762	4.6762
Calcium	1046	8.7236	8.7236
Sulfur	601.1	5.0132	5.0132
Boron	2.82	0.0235	0.0235
Zinc	92.05	0.7677	0.7677
Manganese	22.27	0.1857	0.1857
Iron	104.5	0.8715	0.8715
Copper	80.33	0.6700	0.67
Aluminum	18.09	0.1509	0.1509
Sodium	1005	8.3817	8.3817

Additional Analysis

Analyte	Result	Units
Moisture	97.22	ppm

Results Reported On: Liquid Basis

Comments: