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Division of Water Resources  
Jackson Field Office

### CAFO Annual Report- Liquid

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

Previous Permit Number (if applicable)

81779

Reporting Period

1/1/21

Report in (mm/dd/yyyy- mm/dd/yyyy)

12/31/21

Facility Name:

CYPRESS CREEK

THOMPSON

Address:

228 RED McCORKLE

289 CAPPS 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:

343,650

(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\*:

336

(Personal Farm acres)

+

0

(Rented Acres)

=

336

(Total acres)

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

336

(Personal Farm acres)

+

0

(Rented Acres)

=

336

(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\*:

1,997,152

(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.

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- 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). 2021 2022

Field	Crop Planted	Expected Yield	Actual Yield		Field	Crop Planted	Expected Yield	Actual Yield
GRANDVIEW	BEANS	65			CRENS PN	CORN	220	
CYP CRL	BEANS	60			SEAN.	CORN	180	
CRENS	CORN	180		2021-	CRENS	BEAN	65	75
GRANDVIEW	CORN	220	230					

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.

Manure Analysis #1	Nitrogen <u>56.01</u>	Phosphorus <u>50.77</u>	Potassium <u>34.36</u>
Manure Analysis #2	Nitrogen _____	Phosphorus _____	Potassium _____
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**

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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.) 343,650 GAL of waste, removed on (date) 4/20, 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 H. REAMS am the person receiving litter, manure, and/or process wastewater and do understand the conditions listed above.

Charles H. Reams  
(signature)

4/29/2021  
(date)

5122 Country Club Road  
(address)

731-446-0287  
(phone)

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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:	<u>EDWARDS CUSTOM PUMPING</u>	Name:	_____
Address:	<u>6025 BRIARPATCH LAKE RD</u>	Address:	_____
	<u>PARIS TN 38242</u>		_____
Phone No.:	<u>731-336-3712</u>	Phone No.:	_____
Tons Removed:	<u>2,340,802</u>	Tons Removed:	_____
Date:	<u>4/15/21</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:	_____

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**BROOKSIDE LABORATORIES, INC.**

\*\* MANURE ANALYSIS REPORT \*\*

Division of Water Resources  
Jackson Field Office

William Thompson III

File Number: 55117  
Date Received: 01/22/2021  
Date Reported: 01/26/2021

Submitted By: Jenkins Precision Ag Services

Lab Number	0640			0641		
Description	CYPRESS CREEK			CYPRESS CREEK		
			1			1
			BARN 1 & 2			BARN 3 & 4
	% Dry Basis	% Wet Basis	lbs/1000gal	% Dry Basis	% Wet Basis	lbs/1000gal
Moisture		97.52	8243.0		93.03	7992.3
Mineral Matter	43.95	1.09	92.13	29.56	2.06	176.98
Lost By Ign (Org M+)	56.05	1.39	117.49	70.44	4.91	421.83
Total Nitrogen	17.46	0.433	36.60	9.35	0.652	56.01
Ammonium-N (NH4-N)	14.52	0.360	30.43	6.83	0.476	40.89
Nitrate-N (NO3-N)		< 0.010			< 0.010	
Organic-N	2.94	0.073	6.17	2.52	0.176	15.12
Phosphorus (P)	4.19	0.104	8.79	3.70	0.258	22.17
Phos. as (P2O5)	9.60	0.238	20.12	8.48	0.591	50.77
Potassium (K)	12.22	0.303	25.61	4.76	0.332	28.52
Potassium as (K2O)	14.72	0.365	30.85	5.74	0.400	34.36

Reviewed by

