



Tennessee Department of Environment and Conservation,
 Division of Water Resources
 William R. Snodgrass-Tennessee Tower
 312 Rosa L. Parks Avenue, 11th Floor, Nashville, TN 37243
 (615) 532-0625

**CONCENTRATED ANIMAL FEEDING OPERATION (CAFO)
 STATE OPERATING PERMIT (SOP)
 NOTICE OF INTENT (NOI)**

Type of permit you are requesting: SOPCD0000 (designed to discharge) SOPC00000 (no discharge) Unknown, please advise
 Application type: New Permit Permit Reissuance Permit Modification
 If this NOI is submitted for Permit Modification or Reissuance provide the existing permit tracking number: _____

OPERATION IDENTIFICATION

| | | |
|---|--|--|
| Operation Name: <u>Eagle View Farm</u> | | County: <u>Clay</u> |
| Operation Location/ Physical Address: <u>926 Charlie Melton Rd. Allons, TN 38541</u> | | Latitude: <u>36.571566</u> |
| | | Longitude: <u>-85.289717</u> |
| Name and distance to nearest receiving water(s): <u>well @ 300 ft. Public water meter 1500 ft</u> | | |
| If any other State or Federal Water/Wastewater Permits have been obtained for this site, list those permit numbers: | | |
| Animal Type: <input checked="" type="checkbox"/> Poultry <input type="checkbox"/> Swine <input type="checkbox"/> Dairy <input type="checkbox"/> Beef <input type="checkbox"/> Other _____ | | |
| Number of Animals: <u>135,000</u> | Number of Barns: <u>6</u> | Name of Integrator: <u>Equity Grp</u> |
| Type of Animal Waste Management: (check all that apply) | <input checked="" type="checkbox"/> Dry <input type="checkbox"/> Liquid <input type="checkbox"/> Liquid, Closed System (i.e. covered tank, under barn pit, etc.) | |
| Attach the NMP <input type="checkbox"/> NMP Attached | Attach the closure plan <input type="checkbox"/> Closure Plan Attached | Attach a topographic map <input type="checkbox"/> Map Attached |

PERMITTEE IDENTIFICATION

| | | | |
|---|--|------------------------------------|---|
| Official Contact (applicant): <u>William David Jones</u> | Title or Position: <u>owner / contract grower</u> | | <input type="checkbox"/> Correspondence <input type="checkbox"/> Invoice |
| Mailing Address: <u>926 Charlie Melton Rd</u> | City: <u>Allons</u> | State: <u>TN</u> Zip: <u>38541</u> | |
| Phone number(s): <u>931-704-1822 931-403-1797</u> | E-mail: <u>jones@twlakes.net</u> | | |
| Optional Contact: <u>931-403-1797</u> | Title or Position: | | <input type="checkbox"/> Correspondence <input type="checkbox"/> Invoice |
| Address: | City: | State: Zip: | |
| Phone number(s): | E-mail: | | |

APPLICATION CERTIFICATION AND SIGNATURE (must be signed in accordance with the requirements of Rule 0400-40-05-.14)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| | | |
|---|---|------------------------|
| Name and title, print or type <u>William David Jones / owner</u> | Signature <u>William David Jones</u> | Date <u>7-10-15</u> |
|---|---|------------------------|

STATE USE ONLY

| | | | | |
|---------------|---------------------------|--------------------|---------------------|--------------|
| Received Date | Reviewer | EPO | T & E Aquatic Fauna | Tracking No. |
| | Impaired Receiving Stream | High Quality Water | | NOC Date |

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Eagle View Farm
Facility Name

Declarations to Nutrient Management Plan:

By my signature below, I affirm that I have read, understand, and will comply with the following stipulations from Tennessee's CAFO regulations that apply to my CAFO operation:

- 1) All animals in confinement are prevented from coming in direct contact with waters of the state.
- 2) All chemicals and other contaminants handled on-site are not disposed of in any manure, litter, process wastewater, or storm water storage or treatment system unless specifically designed to treat such chemicals and other contaminants.
- 3) Pesticide-contaminated waters will be prevented from discharging into waste retention structures. Waste from pest control and from facilities used to manage potentially hazardous or toxic chemicals shall be handled and disposed of in a manner that will prevent pollutants from entering waste retention structures or waters of the state.
- 4) Chemicals, manure/litter, and process wastewater will be managed to prevent spills. Spill clean-up plans will be developed and any equipment needed for spill clean-up will be available to facility personnel.
- 5) All sampling of soil and manure/litter is conducted according to protocols developed by UT Extension.
- 6) All records outlined in the permit that I am applying for will be maintained and available on-site.
- 7) Any confinement buildings, waste/wastewater handling or treatment systems, lagoons, holding ponds, and any other agricultural waste containment/treatment structures constructed or modified after April 13, 2006, are or will be located in accordance with NRCS Conservation Practice Standard 313.
- 8) A copy of the most recent Nutrient Management Plan will be kept as part of the farm records and will be maintained and implemented as written.
- 9) If applicable, all waste directed to under floor pits shall be composed entirely of wastewater (i.e. washwater and animal waste).
- 10) The Tennessee Department of Environment and Conservation Division of Water Resources will be notified of any significant wildlife mortalities near retention ponds or following any land application of animal wastes to fields.
- 11) All employees involved in work activities that relate to permit compliance will receive regular training on proper operation and maintenance (O&M) of the facility and waste disposal. Training shall include appropriate topics, such as land application of wastes, good housekeeping and material management practices, proper O&M of the facility, record keeping, and spill response and clean up. The periodic scheduled dates for such training shall be identified in the current Nutrient Management Plan.
- 12) There shall be no land application of nutrients within 24 hours of a precipitation event that may cause runoff. The operator shall not land apply nutrients to frozen, flooded, or saturated soils.


Signature of CAFO Owner/Operator

4-14-15
Date

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Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

1. Farmer/ Producer Information

Is ALL litter removed from your farm (i.e. you not apply litter on your land)?*

| | |
|--------------------------------------|--------------------------|
| <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| Please circle one | |

*If the answer is "No," do not complete this form.

First Name:

Last Name:

Farm/ Operation Name:

Tennessee County:

2. Volumes and Calculations

Poultry Type:

| | | |
|--|------------------------------|-----------------------------|
| <input checked="" type="radio"/> Broiler | <input type="radio"/> Pullet | <input type="radio"/> Layer |
| circle the type(s) | | |

Key

A Number of birds per house per grow-out: *The amount of litter removed from a poultry house will vary depending on the litter moisture content, type and size of birds, and length of time birds are kept in house. Below is a Table summarized from the NRCS Poultry System Calculator V10.0 to assist in placing the litter amount produced per bird and assist in litter calculations.*

B Number of Houses:

C Number of Grow-Outs / Year:

D Average Weight of Litter Produced (lbs.)/ Bird / Grow-Out (see Table at right or use your farm average if known)

| Type of Bird | Market/ Mature Weight (lbs) | Avg. Weight of Litter Produced (lbs)/ Bird / Grow-Out |
|--------------|-----------------------------|---|
| Broilers | small (3.8 - 5.8) | 2.1 |
| | large (5.9 - 7+) | 2.4 |
| Layer | 8 - 12 | 8 |
| Pullet | 5.5 | 3 |

Take Bolded Letters in Key Column Above and Below to Assist in Calculating Values Below

Number of Birds per Grow-Out = A x B =

*Number of Birds Example: If A = 22,000 and B= 2 and C= 5.5 then:
22,000 X 2 = 44,000 number of birds*

KEY

E Number of Birds per Year = A x B x C =

*Number of Birds per Year Example: If A = 22,000 and B= 2 and C = 5.5 then:
22,000 x 2 x 5.5 = 242,000 number of birds per year*

Total Tons of Litter Produced per Year on the Farm = E x D / 2,000 =

*Tons of Litter Produced Example: If E = 242,000 and D = 2.1 lbs. then:
242,000 x 2.1 lbs = 508,200 lbs. / 2,000 = 254 Tons*

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Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

2. Litter Handling and Storage

Litter Storage Capacity

Key Storage Capacity within Poultry Houses (cu ft) 8,333 No. of Houses 6
Length of poultry house (ft) X Width of poultry house (ft) X Height of litter (ft) = cubic feet of storage

A Total capacity within poultry barns (cu ft) X number of barns 50,000 cu ft

Storage Capacity within Litter Sheds (cu ft) 26,000 No. of Sheds 1
Length of litter shed (ft) X Width of litter shed (ft) X Height of litter (ft) = cubic feet of storage

B Total capacity within litter storage sheds (cu ft) X number of sheds 26,000 cu ft

C Storage Capacity of Other Storage Areas, if Applicable (cu ft) 8,000

Total Litter Storage Capacity Onsite (A + B + C) 84,000 cu ft

60000 ft³
is used
for
composting.
This is not
included
in Litter
Storage.

Litter Contents from Manure Analysis (as is basis)*

* Manure analyses will be performed annually, and the results will be provided to all parties removing litter from my farm or operation.

| Laboratory Name | House | Date of Analysis | Total N | P ₂ O ₅ ^a | K ₂ O ^b | Units |
|-----------------|-------|------------------|---------|--|-------------------------------|----------|
| AdL Labs | 1-6 | 6/5/15 | .820 | 45.7 | 50.9 | lbs./Ton |
| | | | | | | lbs./Ton |
| | | | | | | lbs./Ton |
| | | | | | | lbs./Ton |

*** Attach laboratory results. If a new facility, provide the source of the estimates used.***

Notes:

N = Nitrogen P₂O₅ = Phosphorus Oxide K₂O = Potassium Oxide
 *If Phosphorus is expressed in analyses as Phosphorus (P), simply multiple P lbs. X 2.3 to convert to P₂O₅.
 *If Potassium is expressed in analyses as Potassium (K), simply multiple K lbs. X 1.2 to convert to K₂O.

Mortality Management

Dead birds will be disposed of according to State and local laws in a way that does not adversely affect groundwater or create public health concern. All mortalities will be disposed of using:

| | | | |
|--|--------------|------------|--------|
| Composting | Incineration | Rendering* | Other: |
|--|--------------|------------|--------|

please circle one

*If rendering, include the name and address of renderer.:

Closure Plan

In the event that poultry production at this location ceases, the following will be done in 360 days:

- Any litter/ compost currently in storage at the time of closure will be removed and spread elsewhere according to my current NMP.
- All litter in houses will be removed and spread elsewhere according to my current NMP.
- The most current manure analysis performed by an accredited laboratory will be provided to anyone removing litter on my farm.
- Any dead birds in the houses at the time of closure will be disposed of according to my NMP.

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

3. Best Management Practices/Conservation Practices

Best Management Practices/Conservation Practices for Production Areas

The following site-specific Best Management Practices (BMPs) and conservation practices will be implemented to minimize environmental impacts in production areas (*please indicate all that apply*). The design and implementation of the BMPs will meet minimum standards set in the NRCS Field Office Practice Standard and/or the NRCS Animal Waste Handbook.

- N/A • Buffer strips/filter strips
- Silt fencing, riprap, stone gabions, or other structural erosion control
- Maintain roads and heavy traffic areas
- Proper manure/litter storage (i.e. under cover, prevents runoff)
- Balanced diet/ration to prevent excessive nutrients in manure/litter
- Regular inspections and maintenance of structures and equipment
- General housekeeping (i.e. cleanup of waste/litter spills during transfers)
- Other (*please describe in detail below, or attach additional pages as needed*):

Diversion of Clean Water

I certify that:

- Uncontaminated stormwater runoff shall be diverted away from manure, litter, process wastewater, waste
- Clean water will be diverted, as appropriate, from the production area.
- Please provide a brief explanation/description of how clean water will be diverted below:

Sediment ponds

Facility Maintenance

The following maintenance activities will be performed at the facility (*please indicate all that apply*):

- Regular inspections, maintenance, and repair of structures, equipment, and vehicles
- Replacement and upgrade of structures, equipment, and vehicles as needed
- Regular training of facility personnel in maintenance/housekeeping techniques
- Maintenance of vegetation (i.e. mowing, weeding, seeding)
- Other (*please describe in detail below, or attach additional pages as needed*):

*If your facility has a separate Operation and Maintenance (O&M) Plan, please attach a copy.

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

4. Checklist

Use this sheet to help ensure that you have included all required items in order for your CAFO application and Nutrient Management Plan to be approved. Please attach the following items to this worksheet to complete your CAFO permit application.

Forms

- _____ • Signed revised Notice of Intent Form
- _____ • Signed Declarations to Nutrient Management Plan

Maps

- _____ • Full color map of Farm/ Operation Showing the Location of Barns/ Houses, Compost Bins, Litter Storage Bins, Nearby Roads, Streams, Wetlands, etc.
- _____ • Full color topographical map of the Farm/ Operation showing property lines and location of poultry houses.

Manure Analysis

- _____ • Annual Manure Analysis Performed by an Accredited Laboratory

Mail complete packet to:

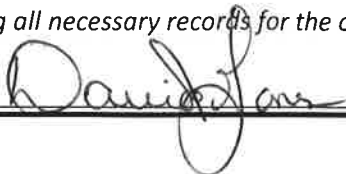
Heidi McIntyre-Wilkinson, Environmental Specialist
Ellington Agricultural Center - Holeman Building
Nonpoint Source and CAFO Programs
P.O. Box 40627
Nashville, TN 37204

The completed packet can also be scanned and sent via electronic mail to:
Heidi.McIntyre-Wilkinson@tn.gov

5. Certification

As the owner/operator, I am certifying that I am the decision-maker for this operation. All information included in my CAFO permit application packet is complete and accurate to the best of my knowledge. I understand that I am responsible for the implementation of the NMP and for maintaining all necessary records for the operation.

Signature: _____



Date: _____

7-8-15

AWMT

Engineering and Soil Services

Appliances Technology, Inc.
6400 Eden Run Ct, Suite 200
Raleigh, NC 27608
P: 919.809.2000
www.appliances.com

David Jones Farm Headquarters Map

Cherokee County, TN
Export Facility



Proposed Burial Pit Measurements
From Pit to Surface Water (Pond) -114'
From Pit to Property Line -470'
From Pit to Well -258' and -229'

Drawn By: Julie Smith
Reviewed By: Chris Hester
Date: 8/2/12



Legend

- ▲ Proposed Emergency Burial Sites
- Spacing
- Water Meter
- Ⓜ Well
- Property Line

Litter Barn/
Composter
Litter
Barn

1
2
3
4
5
6

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APR 28 2015

850 Feet

NWT

Engineering and Soil Sciences

Agri-Metris Technology, Inc.
5400 Eula Street, Suite 200
Raleigh, NC 27608
P: 919.253.0099
www.agrimetris.com

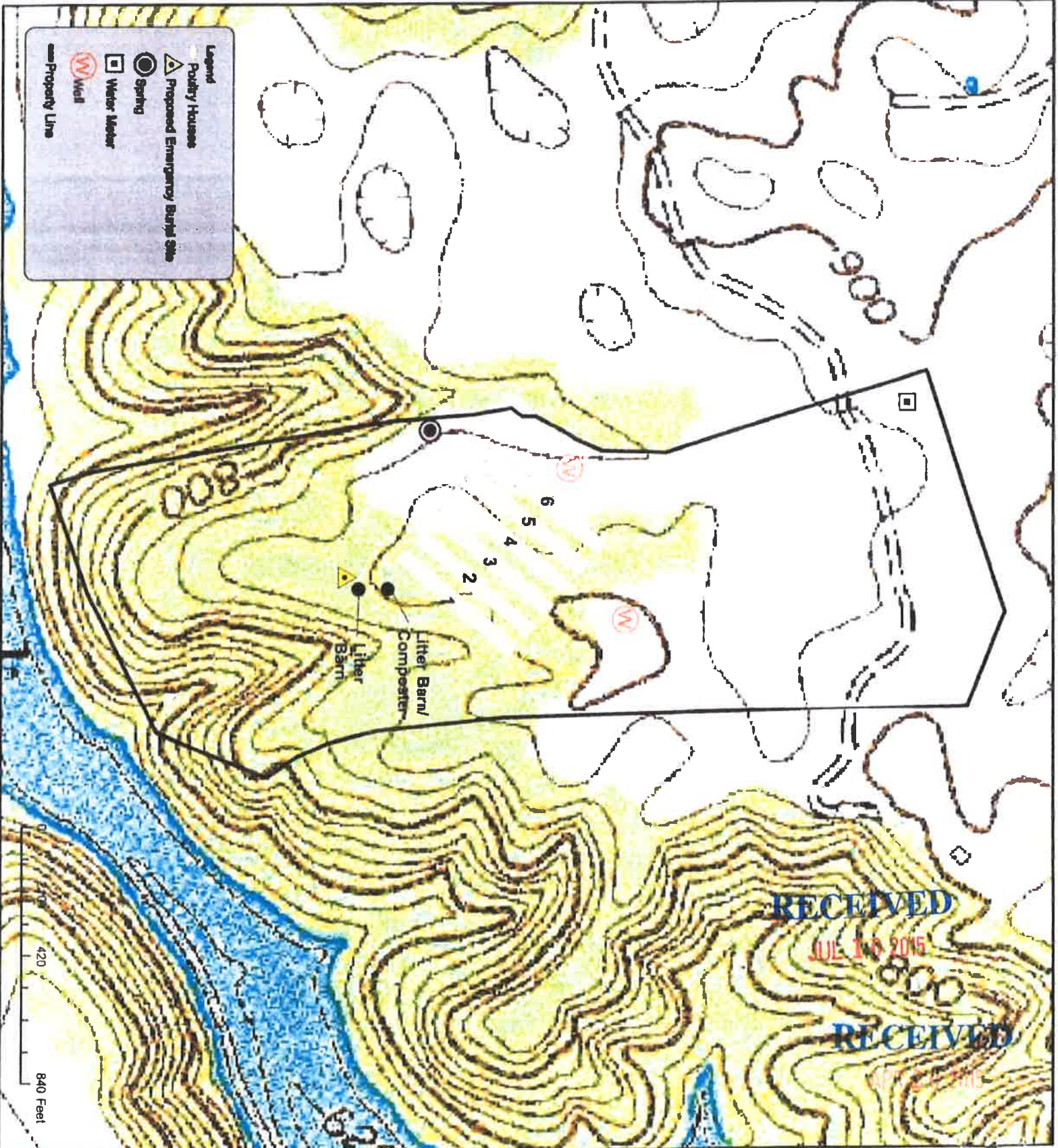
David Jones Fern
Topographic Map

Cherokee County, TN
Export Facility



Proposed Burial pit Measurements
From pit to Surface Water (Pond) ~114'
From pit to Property Line ~170'
From pit to Well ~200' and ~220'

Drawn By: John Payne
Reviewed By: Chris Johnson
Date: 2/20/12





A&L Analytical Laboratories, Inc.

2790 Whitten Rd. Memphis, TN 38133 (901) 213-2400 Fax (901) 213-2440

David Jones Eagle View Farm
Mr. David Jones
926 Charlie Melton Rd
Allons, TN 38541

Page : 1 of 1
Invoice Number : 1071536
Customer Number : 14614
Invoice Date : 06/05/2015
PO Number :

PREPAID

Invoice

| Report No | Grower Information | Qty | Description | Unit Cost | Total Cost |
|-------------|--------------------|-----|-------------------|-------------------------|----------------|
| 15-152-0299 | Analytical Testing | 1 | M1 Manure Package | \$40.00 | \$40.00 |
| | | | | Sub Total | \$40.00 |
| | | | | Discounts | \$0.00 |
| | | | | Tax Total | \$0.00 |
| | | | | Total Amount Due | \$40.00 |

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Please include invoice number on your check.

This invoice becomes overdue **07/05/2015**

Interest will be charged on over due balances at the maximum rate allowable by law. Payable by the county of issued.



A&L Analytical Laboratories, Inc.

2790 Whitten Rd. Memphis, TN 38133 (901) 213-2400 Fax (901) 213-2440

LAND APPLICATION ANALYSIS

| | | |
|--|--|--|
| Client : David Jones Eagle View Farm Mr. David Jones 926 Charlie Melton Rd Allons , TN 38541 | Grower : Analytical Testing PO : | Report No: 15-152-0299 Cust No: 14614 Date Printed: 06/05/2015 Date Recd : 6/1/2015 |
|--|--|--|

Lab Number : 97135

Sample Id : 1

| Test | Analysis | | Pounds Per Ton | |
|-----------------|-------------|-----------|------------------------------------|-----------|
| | As Received | Dry Basis | As Received | Dry Basis |
| Nitrogen, N % | 0.820 | 1.13 | 16.4 | 22.6 |
| Ammoniacal-N | | | | |
| Phosphorus, P % | 0.994 | 1.37 | 45.7 P ₂ O ₅ | 62.9 |
| Potassium, K % | 2.12 | 2.92 | 50.9 K ₂ O | 70.0 |
| Sulfur, S | | | | |
| Magnesium, Mg | | | | |
| Calcium, Ca | | | | |
| Sodium, Na | | | | |
| Iron, Fe | | | | |
| Aluminum, Al | | | | |
| Manganese, Mn | | | | |
| Copper, Cu | | | | |
| Zinc, Zn | | | | |
| Boron, B | | | | |

| Test | Result |
|------------|--------|
| Moisture % | 27.3 |
| Solid % | 72.7 |

| Additional Information | Result |
|------------------------|-----------|
| Type | Dry Basis |

| Additional Tests | Result |
|------------------|----------|
| Digestion , | Digested |

Comments :

RMMA Recommended Methods of Manure Analysis, Peters et al, 2002, In Press
 SW USEPA, SW-846, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, 3rd Ed.
 Current Revision

Oscar Ruiz

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