

**State of North Carolina
Department of Environment and Natural Resources
Division of Water Quality**

**Animal Waste Management Systems
Request for Certificate of Coverage
Facility Currently Covered by an Expiring NPDES General Permit**

On July 1, 2012, the North Carolina NPDES General Permits for Animal Waste Management Systems will expire. Facilities that have been issued Certificates of Coverage to operate under these NPDES General Permits must apply for renewal within 30 days of receipt of this application.

Please do not leave any question unanswered. Please make any necessary corrections to the data below.

1. Facility Number: 46-009 and Certificate of Coverage Number: NCA246009
2. Facility Name: Farm 8531
3. Landowner's name (same as on the Waste Management Plan): Murphy Brown, LLC
4. Landowner's mailing address: P.O. Box 856
City/State: Warsaw NC Zip: 28398
Telephone Number (include area code): 910 293-3434 E-mail: toniking@murphybrownllc.com
5. Facility's physical address: SR 1152, 227 Jim Hardy Rd
City/State: Woodland NC Zip: 27897
6. County where facility is located: Hertford
7. Farm Manager's name (if different than the Landowner): David Nordin
8. Farm Manager's telephone number (include area code): 910-293-3434
9. Integrator's name (if there is not an integrator write "None"): Murphy Brown, LLC
10. Lessee's name (if there is not a lessee write "None"): NONE
11. Indicate animal operation type and number:

Swine

Wean to Finish _____

Wean to Feeder _____

Farrow to Finish _____

Feeder to Finish _____

Farrow to Wean 3272

Farrow to Feeder _____

Boar/Stud _____

Gilts _____

Other _____

Cattle

Dairy Calf _____

Dairy Heifer _____

Milk Cow _____

Dry Cow _____

Beef Stocker Calf _____

Beef Feeder _____

Beef Brood Cow _____

Other _____

Dry Poultry

Non Laying Chickens _____

Laying Chickens _____

Turkeys _____

Other _____

Pullets _____

Turkey Poults _____

Wet Poultry

Non Laying Pullets _____

Layers _____

RECEIVED/DENR/DWQ

MAR 12 2012

Aquifer Protection Section

Submit two (2) copies of the most recent Certified Animal Waste Management Plan (CAWMP). The CAWMP must include the following components. Some of these components may not have been required at the time the facility was certified but should be added to the CAWMP for permitting purposes:

- The Waste Utilization Plan (WUP) must include the amount of Plant Available Nitrogen (PAN) produced and utilized by the facility
- The method by which waste is applied to the disposal fields (e.g. irrigation, injection, etc.)
- A map of every field used for land application
- The soil series present on every land application field
- The crops grown on every land application field
- The Realistic Yield Expectation (RYE) for every crop shown in the WUP
- The PAN to be applied to every land application field
- Phosphorous to be applied on every land application field with a "HIGH" PLAT rating.
- The waste application windows for every crop utilized in the WUP
- The required NRCS Standard specifications
- A site schematic
- Emergency Action Plan
- Insect Control Checklist with chosen best management practices noted
- Odor Control Checklist with chosen best management practices noted
- Mortality Control Checklist with the selected method noted. A mass mortality plan must also be included.
- Site-Specific Conservation Practices necessary to prevent runoff of pollutants to waters of the State.
- PLAT results including datasheets for each field.
- Lagoon/storage pond capacity documentation (design, calculations, etc.); please be sure to include any site evaluations, wetland determinations, or hazard classifications that may be applicable to your facility
- Operation and Maintenance Plan

I attest that this application has been reviewed by me and is accurate and complete to the best of my knowledge. I understand that, if all required parts of this application are not completed and that if all required supporting information and attachments are not included, this application package will be returned to me as incomplete. Note: In accordance with NC General Statutes 143-215.6A and 143-215.6B, any person who knowingly makes any false statement, representation, or certification in any application may be subject to civil penalties up to \$25,000 per violation. (18 U.S.C. Section 1001 provides a punishment by a fine of not more than \$10,000 or imprisonment of not more than 5 years, or both for a similar offense.)

Printed Name of Signing Official (Landowner, or if multiple Landowners all landowners should sign. If Landowner is a corporation, signature should be by a principal executive officer of the corporation):

Name: Murphy Brown LLC Title: Ass. VBE Environmental Health Compliance
Signature: [Signature] Date: 5-6-2012

Name: _____ Title: _____

Signature: _____ Date: _____

THE COMPLETED APPLICATION SHOULD BE SENT TO THE FOLLOWING ADDRESS:

NCDENR – DWQ Animal Feeding Operations Unit
1636 Mail Service Center
Raleigh, North Carolina 27699-1636
Telephone Number: (919) 807-6300
Fax Number: (919) 807-6354

RECEIVED/DENR/DWQ



North Carolina Department of Environment and Natural Resources

Division of Water Quality

Beverly Eaves Perdue
Governor

Charles Wakild, P.E.

Dee Freeman
Secretary

Director

February 14, 2012

Murphy-Brown, LLC
Farm 8531
P. O. Box 856
Warsaw, NC 28398

Subject: Certificate of Coverage No. NCA246009
Farm 8531
Animal Waste Management System
Hertford County

Dear Murphy-Brown, LLC:

In accordance with your July 12, 2011 application and a request to change operation type without exceeding the permitted steady state live weight, we are hereby forwarding to you this Certificate of Coverage (COC) issued to Murphy-Brown, LLC, authorizing the operation of the subject animal waste management system in accordance with NPDES General Permit NCA200000.

This approval shall consist of the operation of this system including, but not limited to, the management and land application of animal waste as specified in the facility's Certified Animal Waste Management Plan (CAWMP) for the Farm 8531, located in Hertford County, with an animal capacity of no greater than the following swine annual averages:

Wean to Finish: 0	Feeder to Finish: 0	Boar/Stud: 0
Wean to Feeder: 0	Farrow to Wean: 3272	Gilts: 0
Farrow to Finish: 0	Farrow to Feeder: 0	

If this is a Farrow to Wean or Farrow to Feeder operation, there may also be one boar for each 15 sows. Where boars are unnecessary, they may be replaced by an equivalent number of sows. Any of the sows may be replaced by gilts at a rate of 4 gilts for every 3 sows

The COC shall be effective from the date of issuance until June 30, 2012 and replaces the COC No. AWS460009 dated October 1, 2009. Pursuant to this COC, you are authorized and required to operate the system in conformity with the conditions and limitations as specified in the General Permit, the facility's CAWMP, and this COC. An adequate system for collecting and maintaining the required monitoring data and operational information must be established for this facility. Any increase in waste production greater than the certified design capacity or increase in number of animals authorized by this COC (as provided above) will require a modification to the CAWMP and this COC and must be completed prior to actual increase in either wastewater flow or number of animals.

Please carefully read this COC and the enclosed General Permit. This General Permit contains many new requirements than the previous NPDES General Permit. Enclosed for your convenience is a package containing the new and revised forms used for record keeping and reporting. Please pay careful attention to the record keeping and monitoring conditions in this permit. The Animal Facility Annual Certification Form must be completed and returned to the Division of Water Quality by no later than March 1st of each year.

1636 Mail Service Center, Raleigh, North Carolina 27699-1636
Location: 512 N. Salisbury St. Raleigh, North Carolina 27604
Phone: 919-807-6300 \ FAX: 919-807-6492
Internet: www.ncwaterquality.org

An Equal Opportunity \ Affirmative Action Employer

One
North Carolina
Naturally

Erishup CoC

If your Waste Utilization Plan has been developed based on site-specific information, careful evaluation of future samples is necessary. Should your records show that the current Waste Utilization Plan is inaccurate you will need to have a new Waste Utilization Plan developed.

The issuance of this COC does not excuse the Permittee from the obligation to comply with all applicable laws, rules, standards, and ordinances (local, state, and federal), nor does issuance of a COC to operate under this permit convey any property rights in either real or personal property.

Upon abandonment or depopulation for a period of four years or more, the Permittee must submit documentation to the Division demonstrating that all current NRCS standards are met prior to restocking of the facility.

Per 15A NCAC 02T .0111(c), a compliance boundary is provided for the facility and no new water supply wells shall be constructed within the compliance boundary. Per NRCS standards a 100-foot separation shall be maintained between water supply wells and any lagoon or any wetted area of a spray field.

Per 15A NCAC 02T .1306, any containment basin, such as a lagoon or waste storage structure, shall continue to be subject to the conditions and requirements of the facility's permit until closed to NRCS standards and the permit is rescinded by the Division.

Please be advised that any violation of the terms and conditions specified in this COC, the General Permit or the CAWMP may result in the revocation of this COC, or penalties in accordance with NCGS 143-215.6A through 143-215.6C, the Clean Water Act and 40 CFR 122.41 including civil penalties, criminal penalties, and injunctive relief.

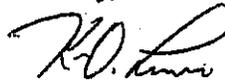
If you wish to continue the activity permitted under the General Permit after the expiration date of the General Permit, an application for renewal must be filed at least 180 days prior to expiration.

This COC is not automatically transferable. A name/ownership change application must be submitted to the Division prior to a name change or change in ownership.

If any parts, requirements, or limitations contained in this COC are unacceptable, you have the right to apply for an individual NPDES Permit by contacting the staff member listed below for information on this process. Unless such a request is made within 30 days, this COC shall be final and binding.

This facility is located in a county covered by our Washington Regional Office. The Regional Office Aquifer Protection Staff may be reached at (252) 946-6481. If you need additional information concerning this COC or the General Permit, please contact the Animal Feeding Operations Unit staff at (919) 807-6464.

Sincerely,



for Charles Wakild, P.E.

Enclosures (General Permit NCA200000, Record Keeping and Reporting Package)

cc: (Certificate of Coverage only for all cc's)
Washington Regional Office, Aquifer Protection Section
Hertford County Health Department
Hertford County Soil and Water Conservation District
APS Central Files (Permit No. NCA246009)
AFO Notebooks

*

Additional
information
submitted
during the
previous
permit
Review

*

N REDUCTION
IN
SECONDARY
— LAGOON —

Date	Primary	Secondary	Reduction %
✓ 7/1/2009	1.7	0.51	(70.0)
✓ 8/20/2009	1.8	0.76	(58.5)
✓ 11/23/2009	1.5	0.78	(48.0)
✓ 1/26/2010	1.8	1	(44.4)
✓ 3/22/2010	1.7	0.68	(60.0)
✓ 5/17/2010	2.6	1.2	(53.8)
✓ 7/13/2010	3.6	1.4	(61.1)
✓ 8/13/2010	1.8	1.3	(27.8)
✓ 12/8/2010	1.5	0.52	(66.3)
✓ 2/1/2011	1.8	0.74	(58.8)
✓ 3/29/2011	1.7	0.74	(56.5)
✓ 5/11/2012	1.3	0.62	(52.3)
✓ 6/22/2011	1.1	0.8	(54.5)
✓ 8/23/2011	0.82	1.1	34.1 (Sample error - retested on 8/30/2011) ✓
✓ 8/30/2011	0.4	0.17	(57.5)
✓ 10/25/2011	1.1	0.09	(91.8)
✓ 12/20/2011	1.4	0.16	(88.6)

$\bar{x} \rightarrow 1.65 \quad 0.70 \quad \text{---} \quad \boxed{42\%}$

$(1.65 - 0.70) = 0.95$ *almost 58% reduction*
reduced

~~Chapter 2: System Components and Operation—Type A~~

Animal waste management systems are composed of structures and devices that collect, transport, recycle (flush), treat, store, and land apply the waste products resulting from the production of animals. As an operator of such a system, you will become knowledgeable of these system components and their proper operation and maintenance. Improper operation of any of these components could lead to a spill or runoff of the wastes, both of which are violations of state law discussed further in Chapter 8.

Describe the purpose and components of a Type A animal waste management system.

Type A animal waste management systems rely primarily on an anaerobic lagoon and soil/plant systems for the treatment of animal waste. These systems are generally used to treat animal waste generated by animals that produce a low-fiber waste, such as swine and poultry. These systems generally include the following components: anaerobic lagoon; pumps, pipes, and associated appurtenances that convey the waste from the point of generation to the final treatment/disposal site; flushing systems; solids separation equipment; irrigation equipment; and land application site and crops.

Lagoons

Describe the function of an animal waste lagoon.

Lagoons are earthen structures that function as digestors where bacteria decompose organic matter. Anaerobic lagoons are used in the swine and poultry industry because of their efficiency and cost advantages. Anaerobic means the waste is treated without aeration or mixing devices. A properly sized and operated lagoon reduces organic material (which is the source of the majority of the odor), reduces the nitrogen concentration of the waste, and allows solids to settle out. Most of the phosphorus will accumulate in the sludge in the bottom of the lagoon.

Explain the need for proper lagoon sizing.

An undersized lagoon increases the need for more intensive management and pumping frequency. It also increases odor potential and nutrient (nitrogen and phosphorus) levels of water that leaves the lagoon, either as flush water or as irrigation water to a field. An

8. Name some advantages and disadvantages of the following types of waste application equipment.

- stationary big guns
 - traveling guns
 - pump and haul (honey wagon)
-

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Client: Murphy Brown LLC
 CARO Bldg
 PO Box 1260
 Waverly, VA 23090
 Form: 05311

Waste Analysis Report



Received: 08/20/2009 Complaint: 08/24/2009 Location: Norfolk County

Sample ID:	N	Elemental Analysis (mg/kg)											Total	Other Elements	
		P	K	Ca	Mg	S	Pb	Zn	Cr	B	Mn	Cl			Fe
51P	394	863	2728	130	543	711	545	0.46	1.98	0.98	4.63				
Waste Code:															
MS															
Analysis:															
State Legem Lit.															
Analysis Method:															
Integration															
Sample ID:															
52P	182	949	2283	146	485	583	535	0.35	1.18	0.45	4.72				
Waste Code:															
MS															
Analysis:															
State Legem Lit.															
Analysis Method:															
Integration															

This report contains a description of the waste. The waste is described as follows: ... This waste is not a hazardous waste under RCRA. ...

The pH of the liquid portion is higher than normally found in household sewage. This follows the sample to determine if pH remains high over time. Contact of Household Sewage to determine that the waste treatment system is meeting properly.



Waste Analysis Report

Client: **Manley Brown LLC**
 6080 Main
 PO Box 1216
 Waco, VA 22979
 Fax: 8011

Received: 1/23/2009 Complaint: 11/30/2008 [Link to Related Information](#) **Herford County**

Sample ID:	N	P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cd	Cr	Ni	Pb	Hg	As	Se	Other Elements	
																					Units
318	367	65.1	1998	116	37.3	71.2	4.64	0.28	1.46	0.56	3.08										
Waste Code:																					
ALS																					
Descriptions:																					
Swine Legume Lign																					
Re: 15																					
Application Method																					
Ingestion																					

Sample ID:	N	P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cd	Cr	Ni	Pb	Hg	As	Se	Other Elements	
																					Units
318	187	51.6	1499	182	33.7	54.7	4.47	0.21	0.63	0.65	2.46										
Waste Code:																					
ALS																					
Descriptions:																					
Swine Legume Lign																					
Re: 3.2																					
Application Method																					
Ingestion																					

North Carolina



Tobacco Trust Fund Commission

Reprogramming of the laboratory information management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
 - Steve Traylor, Commissioner of Agriculture



Waste Analysis Report

Generator: Murphy Brown LLC
 c/o S. O. Baker
 PO Box 1249
 Waverly, WA 28998
Form: 8581

Receiver: [Redacted]

Received: 01/28/2010

Location for Material Information

Marion County

Sample ID:	Material	Res/1000 pounds										
		P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo
312	440	56.8	1467	161	43.9	66.9	4.00	0.31	1.22	0.46	3.39	
	Waste Code:											
	ALS											
	Other Elements:											
	Other Elements:											

Sample ID:	Material	Res/1000 pounds										
		P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo
313	240	65.1	1335	135	36.5	55.9	3.21	0.19	0.64	0.32	2.68	
	Waste Code:											
	ALS											
	Other Elements:											
	Other Elements:											



Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.

-Steve Traylor, Commissioner of Agriculture



Waste Analysis Report

Client: Murphy Brown LLC
 CAR O Bldg
 PO Box 1740
 Wanch, VA 23090
 Farm: 85311

Complaint: 03/22/2010
Location: Bertford County

Sample ID	N	P	K	I	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	C																						
																Me	Ni	Al	Pb	SS	Cd	Hg	Cr	As	Se												
798	416	61.2	19.9	187	38.1	43.2	4.54	0.48	2.15	0.55	2.44																										
<p>Maximum Available for Heat Camp</p> <table border="1"> <tr> <th>Element</th> <th>Me</th> <th>Ni</th> <th>Al</th> <th>Pb</th> <th>SS</th> <th>Cd</th> <th>Hg</th> <th>Cr</th> <th>As</th> <th>Se</th> </tr> <tr> <td>798</td> <td>6.71</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																Element	Me	Ni	Al	Pb	SS	Cd	Hg	Cr	As	Se	798	6.71									
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798	6.71																																				
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Element	Me	Ni	Al	Pb	SS	Cd	Hg	Cr	As	Se																											
798	6.71																																				
<p>The pH of the liquid sample is 1.0. The pH of the solid sample is 1.0. The pH of the liquid sample is 1.0. The pH of the solid sample is 1.0.</p>																																					
17	160	33.1	8.2	93.9	25.6	32.6	2.47	0.15	0.85	0.28	1.58																										
<p>Maximum Available for Heat Camp</p> <table border="1"> <tr> <th>Element</th> <th>Me</th> <th>Ni</th> <th>Al</th> <th>Pb</th> <th>SS</th> <th>Cd</th> <th>Hg</th> <th>Cr</th> <th>As</th> <th>Se</th> </tr> <tr> <td>17</td> <td>6.85</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																Element	Me	Ni	Al	Pb	SS	Cd	Hg	Cr	As	Se	17	6.85									
Element	Me	Ni	Al	Pb	SS	Cd	Hg	Cr	As	Se																											
17	6.85																																				
<p>Maximum Available for Heat Camp</p> <table border="1"> <tr> <th>Element</th> <th>Me</th> <th>Ni</th> <th>Al</th> <th>Pb</th> <th>SS</th> <th>Cd</th> <th>Hg</th> <th>Cr</th> <th>As</th> <th>Se</th> </tr> <tr> <td>17</td> <td>6.85</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																Element	Me	Ni	Al	Pb	SS	Cd	Hg	Cr	As	Se	17	6.85									
Element	Me	Ni	Al	Pb	SS	Cd	Hg	Cr	As	Se																											
17	6.85																																				
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Reprogramming of the laboratory information management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.

- Steve Traylor, Commissioner of Agriculture



Waste Analysis Report

Client: **Manly Brown LLC**
 608 O Blvd
 PO Box 1240
 Wards, VA 23090
 Phone: 8581

Copies to: **Carroll, Tony**

Received: 05/17/2010 Completed: 05/25/2010 Location: **Herford County**

Sample ID:	Limits in Hazardous Information												
	P	K	S	Ca	Mg	Fe	Mn	Zn	Cu	B	Ni	Mo	Cl
51P	58.4	368	65.9	146	57.4	52.1	0.26	1.00	0.51	3.3			
Waste Code:	-R04												
AL5	-R03												
Prescriptions:	OR-N												
State Legisan Lit:	Ums												
Other Elements:	7.96												
Application Method:	Incineration												
Incineration:	7.6												
Sample ID:	Limits in Hazardous Information												
52S	209	1360	48.6	107	33.9	87.2	0.22	0.71	0.34	2.65			
Waste Code:	-R04												
AL5	-R03												
Prescriptions:	OR-N												
State Legisan Lit:	Ums												
Other Elements:	7.78												
Application Method:	Incineration												
Incineration:	2.9												



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Thank you for using agreement services to manage nutrients and safeguard environmental quality.
 -Steve Traylor, Commissioner of Agriculture



Waste Analysis Report

Received: 02/01/2011

Completed: 02/07/2011

Links to Related Information

Worcester County

Client: Murphy Brown LLC
 CCR O Box
 PO Box 1260
 Waco, TX 76798
 Form: 8511

Sample ID	Y	P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	C
337	370	463	1337	122	33.4	52.6	4.07	0.33	1.05	0.39	2.96			
Waste Code:														
ALS														
Prescriptions:														
State License No.														
Other Materials:														
Asbestos:														
Lead:														
Mercury:														
PCBs:														
Other:														
3.5														
3.0														
Sample ID	N	P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	C
338	177	368	881	79.5	31.8	64.0	2.99	0.13	0.49	0.22	1.90			
Waste Code:														
ALS														
Prescriptions:														
State License No.														
Other Materials:														
Asbestos:														
Lead:														
Mercury:														
PCBs:														
Other:														
7.32														
1.9														



Reprogramming of the laboratory information management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agreement services to manage nutrients and safeguard environmental quality.
 - Steve Traylor, Commissioner of Agriculture

Report: 05/11/2011

Client: Conestoga, Tampa

Client: Murphy Brown LLC

CAR O Base

PO Box 1260

Wendy, VA 23090

Form: 8531L



Waste Analysis Report

Received: 05/11/2011

Complaint: 05/16/2011

Location: Marlboro County

Sample ID	N	P	K	Ca	Mg	S	Fe	Mn	Zn	Co	B	Mo	Cl	C
Total	399	53.7	1415	119	39.5	57.8	3.79	0.27	1.81	0.35	3.19			
Waste Code:														
MS														
Discription:														
Source Location Log														
Other Materials:														
Application Method														
Integration														

Sample ID	N	P	K	Ca	Mg	S	Fe	Mn	Zn	Co	B	Mo	Cl	C
Total	166	43.3	1109	108	34.0	34.3	2.56	0.16	0.69	0.38	2.51			
Waste Code:														
MS														
Discription:														
Source Location Log														
Other Materials:														
Application Method														
Integration														



Re-programming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
-Steve Traylor, Commissioner of Agriculture



Waste Analysis Report

Received: 06/22/2011

Complaint: 05/29/2011

Limits to Material Information

Northford County

Client: **Monopoly Brown LLC**
C/O R.O. Baker
PO Box 1240
Wendy, VA 23998
Farm: 65311

Location: **Conestoga, Texas**

Sample ID:	N	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	C	Description:
318	74.5	3578	145	54.9	46.6	2.85	0.46	0.55	0.55	3.91				C
Waste Code:	732													
ALS	732													
OR-N	732													
Swine Lagoon Lin.	732													
Swine Lagoon Lin.	732													
Sample ID:	Waste Analysis - Swine Lagoon													Description:
	N	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	C	
319	1.9	72.6	0.69	0.39	0.27	0.82	0.81	0.81	0.82	0.82	0.82	0.82	0.82	Other Materials
Waste Code:	34													Other Materials
ALS	34													Other Materials
OR-N	34													Other Materials
Swine Lagoon Lin.	34													Other Materials
Sample ID:	N	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	C	Description:
320	54.4	1152	117	63.7	60.7	4.58	0.17	1.06	0.88	2.65				C
Waste Code:	805													
ALS	805													
OR-N	805													
Swine Lagoon Lin.	805													
Sample ID:	Waste Analysis - Swine Lagoon													Description:
	N	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	C	
321	0.59	0.69	0.24	0.85	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	Other Materials
Waste Code:	75													Other Materials
ALS	75													Other Materials
OR-N	75													Other Materials
Swine Lagoon Lin.	75													Other Materials

North Carolina



Tobacco Trust Fund Commission

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Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
-Steve Traylor, Commissioner of Agriculture



Waste Analysis Report

Client: Murphy Brown LLC
 666 O Line
 PO Box 1246
 Wanch, VA 23076
 Farm: 65311

Location: Currituck County

Received: 08/30/2011

Completed: 08/29/2011

Link to HTML Information

Sample ID	Weight (lb)	P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	C																																										
388	96.4	77.5	59.4	111	63.6	58.4	3.78	0.35	1.35	0.68	2.34																																													
Trace Elements																																																								
		Ni	NR	Co	Pb	Al	Se	Li	PH	SS	CN	DMG	OZES	ALD(9)																																										
		271							7.34																																															
Reproductive Elements																																																								
		<table border="1"> <thead> <tr> <th>Element</th> <th>Weight (lb)</th> <th>Other Elements</th> </tr> </thead> <tbody> <tr> <td>P</td> <td>205</td> <td>NR</td> </tr> <tr> <td>K</td> <td>1.9</td> <td>7.6</td> </tr> <tr> <td>Ca</td> <td>6.05</td> <td>0.57</td> </tr> <tr> <td>Mg</td> <td>0.57</td> <td>0.82</td> </tr> <tr> <td>S</td> <td>0.82</td> <td>1</td> </tr> <tr> <td>Fe</td> <td>0.82</td> <td>0.82</td> </tr> <tr> <td>Mn</td> <td>0.82</td> <td>0.82</td> </tr> <tr> <td>Zn</td> <td>0.82</td> <td>0.82</td> </tr> <tr> <td>Cu</td> <td>0.82</td> <td>0.82</td> </tr> <tr> <td>B</td> <td>0.82</td> <td>0.82</td> </tr> <tr> <td>Mo</td> <td>0.82</td> <td>0.82</td> </tr> <tr> <td>Cl</td> <td>0.82</td> <td>0.82</td> </tr> <tr> <td>C</td> <td>0.82</td> <td>0.82</td> </tr> </tbody> </table>													Element	Weight (lb)	Other Elements	P	205	NR	K	1.9	7.6	Ca	6.05	0.57	Mg	0.57	0.82	S	0.82	1	Fe	0.82	0.82	Mn	0.82	0.82	Zn	0.82	0.82	Cu	0.82	0.82	B	0.82	0.82	Mo	0.82	0.82	Cl	0.82	0.82	C	0.82	0.82
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C	0.82	0.82																																																						
Completed: 8/29/2011																																																								
Sample ID	Weight (lb)	P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	C																																										
388	48.6	13.0	30.5	57.6	17.9	77.3	2.51	0.35	0.72	0.30	0.77																																													
Trace Elements																																																								
		Ni	NR	Co	Pb	Al	Se	Li	PH	SS	CN	DMG	OZES	ALD(9)																																										
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North Carolina



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Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
-Steve Traylor, Commissioner of Agriculture



Waste Analysis Report

Client: Murphy Brown LLC
 C&O No: 06-0-0000
 PO Box 1246
 Yadon, VA 23090
 Form 8581

Copies to: Concord, Va

Received: 10/25/2011

Completed: 10/31/2011

Links to Historical Information

Warfield County

Sample ID:	N	P	K	Ca	Mg	S	Fe	Mn	Zn	Co	Ni	Mo	Cl	C
318	75.2	946	116	65.7	65.7	5.38	0.25	1.05	0.27	2.26				
Waste Code:														
ALS														
Description:														
State Legals Lit.														
Residue Available for Test Comp														
Application Method														
Indigium														
Other Elements														
744														
744														
Residue Available for Test Comp														
Application Method														
Indigium														
Other Elements														
25														
Completed: 10/27/2011														
Sample ID:	N	P	K	Ca	Mg	S	Fe	Mn	Zn	Co	Ni	Mo	Cl	C
315	28.3	449	94.3	28.3	32.3	4.58	0.15	1.14	0.25	1.32				
Waste Code:														
ALS														
Description:														
State Legals Lit.														
Residue Available for Test Comp														
Application Method														
Indigium														
Other Elements														
1.0														
7.39														
Residue Available for Test Comp														
Application Method														
Indigium														
Other Elements														
1.0														

North Carolina



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 -Steve Truster, Commissioner of Agriculture

Client: Murphy Brown LLC

C/O Rite

PO Box 1746

Waverly, VA 25390

Phone: 855-1111



Waste Analysis Report

Received: 2/20/2011

Complaint: 12/28/2011

Links to Related Information

Herford County

Sample ID:	N	P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	C
31P	315	51.1	940	132	48.3	65.7	4.14	0.20	1.88	0.24	2.82			
Waste Code:														
ALS														
Ascription:														
State Legend:														
Other Elements:														
Application Method:														
Integration:														
Complaint No: 25, 2081														
Sample ID:	N	P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	C
31P	310	41.2	461	86.2	30.3	25.4	3.75	0.20	0.98	0.23	1.28			
Waste Code:														
ALS														
Ascription:														
State Legend:														
Other Elements:														
Application Method:														
Integration:														
Complaint No: 25, 2081														



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