Compost	State of North Carolina Department of Environment and Natural Resources Division of Waste Management	**COMPOST** Facility Annual Report For the period of **July 1, 2014-June 30, 2015**

According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2015 and a copy of this report must be sent to the County Manager of each county from which waste was received. If you have questions or require assistance in completing this report, contact your Regional Environmental Senior Specialist.

Facility Name: Appalachian State University Permit: 95-04

Physical Address		Mailing Address	
Street 1: 265 Dale St.		Street 1: 265 Dale St.	
Street 2:		Street 2:	
City: Boone	County: Watauga	City: Boone	
State: North Carolina	Zip: 28608	State: North Carolina	Zip: 28608

Primary Facility Contact Person		Billing Contact Person	
Name: John Richards		Name: John Richards	
Phone: (828) 262-3190	Fax: (828) 262-4017	Phone: (828) 262-3190	Fax: (828) 262-4017
Email: richardsjd@appstate.edu		Email: richardsjd@appstate.edu	

1. Tipping Fee: $49.00 per Ton (Attach a schedule of tipping fees if appropriate.)

2. Did your facility stop receiving waste during this past Fiscal Year? ☐ Yes ☒ No
   If so, please report the date this occurred: _____

3. Please attach results of monthly temperature monitoring for the period of July 1, 2014 thru June 30, 2015.

4. For Type II, III, and IV facilities, attach results of tests (Waste Analysis with metals, foreign matter and pathogens) as required in Table 3 of Rule 15A NCAC 13B .1408 for the period of July 1, 2014 thru June 30, 2015. **Current Rules state that "Compost shall be analyzed at intervals of every 20,000 tons of compost produced or every six months, whichever comes first."**

5. What type and quantity of waste was composted by your facility?

Materials COMPOSTED	Check X if Received	Tons RECEIVED	Tons COMPOSTED	Unusable Tons DISPOSED
Yard Waste	☐			
Clean Wood	☒	127.2		
Sawdust	☒	4		
Wooden Pallets	☐			
Food Waste	☒	88.6		
Animal Waste	☐			
Sludge and Biosolids	☐			
Grease Trap Waste	☐			
Animal Mortalities	☐			
Sheetrock	☐			
Commingled (Describe)	☐			
Other (Describe)	☐			
Other (Describe)	☐			
Other (Describe)	☐			
	TOTAL	219.8		

6. What type and quantity of compost was produced and removed from your facility?

Type	Tons CREATED	Tons USED On Site	Tons SOLD to Public	Tons GIVEN to Public	Tons STOCKPILED	Tons DISPOSED	Other ASU Farms
Mulch							
Grade A Compost	219.8	22			147.8		50
Grade B Compost							
Other							
Other							
TOTAL	219.8	22			147.8		50

7. Indicate waste received at this compost facility during the period of July 1, 2014, through June 30, 2015. Indicate **tonnage** received by COUNTY of waste origin. Please indicate COUNTY and STATE if received from another state.

Received from	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
Food Waste	13.70	7.60	12.80	9.60	6.70	5.40	5.80	5.30	5.80	7.00	4.50	4.40	88.60
Clean Wood	19.90	8.90	16.70	10.30	9.50	11.60	9.30	9.50	9.30	8.60	8.70	8.90	131.20

Grand Total 219.80

REMINDER: According to (G.S. 130A-309.09D(b)), this report must be sent to the Regional Environmental Senior Specialist for your area and a copy of this report must be sent to the County Manager of each county from which waste was received.

Please send your completed report to:

Deb Aja
2090 US Highway 70
Swannanoa, NC 28778
phone: 828.296.4702 email: Deborah.Aja@ncdenr.gov

CERTIFICATION: I certify that the information provided is an accurate representation of the activity at this facility.

Signature: John Richards

Digitally signed by John Richards
DN: cn=John Richards, o=Landscape Services, ou=Physical Plant, email=richardsjd@appstate.edu, c=US
Date: 2015.07.20 15:13:56 -04'00'

Date: 7/20/2015

Name: John Richards

Title: Compost Facility Coordinator

Phone Number: (828) 262-3190

Email: richardsjd@appstate.edu

Compost Bin 2

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
10/20/14	29	40	1160	930	3250
10/21/14	23	40		930	1850
10/22/14	27	40		1100	2180
10/23/14	22	40		930	1810
10/24/14	34	40		1300	2660
10/27/14	29	40		1200	2360
10/28/14	27	40		950	2030
10/29/14	26	40		1100	2140
10/30/14	21	40		930	1770
10/31/14	35	40		1200	2600
11/3/14	26	40		950	1990
11/4/14	27	40		975	2055
11/5/14	28	40		930	2050
11/6/14	21	40		930	1770
11/7/14	23	40		1000	1920
11/10/14	27	40		1000	2080
11/11/14	29	40		950	2110
11/12/14	26	40	1200	1000	3240
Totals	480	40.0	2360	18305	39865

Total number of food waste in LBS	19200.0

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
11/14/14	161	154	125	147
11/17/14	159	159	139	152
11/18/14	156	157	140	151
11/19/14	152	161	142	152
11/20/14	152	160	142	151
11/21/14	154	158	142	151
11/24/14	151	157	140	149
11/26/14	150	157	141	149
12/1/14	148	153	137	146
12/2/14	150	155	137	147
12/3/14	148	154	136	146
12/4/14	148	154	134	145
12/10/14	143	152	132	142
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Compost Bin 1

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
11/13/14	21	40	1160	930	2930
11/14/14	28	40		1100	2220
11/17/14	27	40		1100	2180
11/18/14	33	40		1300	2620
11/19/14	18	40		930	1650
11/20/14	29	40		1160	2320
11/21/14	13	40		930	1450
11/24/14	21	40		930	1770
11/25/14	8	40		930	1250
11/26/14	7	40		930	1210
12/1/14	26	40		1160	2200
12/2/14	35	40		1300	2700
12/3/14	21	40		930	1770
12/4/14	16	40		930	1570
12/5/14	14	40		930	1490
12/8/14	20	40	1250	1160	3210
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Totals	337	40.0	2410	16650	32540

Total number of food waste in LBS	13480.0

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
12/10/14	147	156	139	147
12/11/14	146	153	135	145
12/15/14	148	151	121	140
12/16/14	148	154	121	141
12/17/14	141	147	121	136
12/18/14	143	149	125	139
1/5/15	130	139	103	124
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Compost Bin 2

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
6/5/14	4	45	1160	350	1690
6/6/14	5	45		350	575
6/9/14	11	45		750	1245
6/10/14	18	45		930	1740
6/11/14	14	45		930	1560
6/12/14	15	45		900	1575
6/13/14	13	45		750	1335
6/16/14	14	45		750	1380
6/17/14	17	45		900	1665
6/18/14	6	45		400	670
6/19/14	11	45		700	1195
6/20/14	11	45		700	1195
6/23/14	10	45		700	1150
6/24/14	12	45		700	1240
6/25/14	10	45		700	1150
6/26/14	14	45		750	1380
6/27/14	11	45		775	1270
6/30/14	17	45		700	1465
7/1/14	6	45		350	620
7/2/14	8	45		387	747
7/3/14	4	45		387	567
7/7/14	5	45		400	625
7/8/14	15	45		930	1605
7/9/14	11	45		725	1220
7/10/14	9	45	1160	400	1965
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Totals	271	45.0	2320	16314	30829

Total number of food waste in LBS	12195.0

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
7/14/14	140	140	147	142
7/15/14	137	136	144	139
7/16/14	135	133	142	137
7/17/14	132	136	139	136
7/21/14	131	129	133	131
7/22/14	131	129	135	132
7/23/14	132	130	135	132
7/24/14	132	130	134	132
7/25/14	131	130	134	132
7/28/14	132	131	136	133
7/29/14	131	130	134	132
7/31/14	128	131	134	131
8/4/14	134	136	131	134
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8/21/14	127	144	123	131
8/27/14	134	142	120	132
9/2/14		133		133
9/18/14	109	118	114	114
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Compost Bin 3

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
7/11/14	10	40	1160	475	2035
7/14/14	12	40		480	960
7/15/14	20	40		900	1700
7/16/14	16	40		900	1540
7/17/14	10	40		485	885
7/18/14	12	40		485	965
7/21/14	18	40		900	1620
7/22/14	19	40		850	1610
7/23/14	14	40		700	1260
7/24/14	6	40		450	690
7/25/14	11	40		700	1140
7/28/14	12	40		750	1230
7/29/14	31	40		950	2190
7/31/14	30	40		1000	2200
8/1/14	7	40		450	730
8/4/14	12	40		700	1180
8/5/14	21	40		900	1740
8/6/14	4	40		300	460
8/7/14	8	40		465	785
8/8/14	8	40		465	785
8/11/14	2	40		300	380
8/12/14	17	40		950	1630
8/13/14	10	40		750	1150
8/14/14	19	40		1160	1920
8/15/14	15	40		800	1400
8/18/14	36	40	1160	1500	4100
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					0
Totals	380	15200.0	2320	18765	36285

Total number of food waste in LBS	15200.0

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
8/19/14	142	159	159	153
8/20/14	142	159	158	153
8/21/14	142	165	155	154
8/25/14	142	164	146	151
8/26/14	140	165	146	150
8/27/14	139	163	145	149
8/28/14	139	164	145	149
8/29/14	141	163	149	151
9/2/14	132	158	148	146
9/3/14	128	158	146	144
9/4/14	127	158	145	143
9/5/14	127	157	145	143
9/8/14	126	156	145	142
9/9/14	126	155	145	142
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Compost Bin 2

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
8/19/14	30	40	1000	1160	3360
8/20/14	22	40		930	1810
8/21/14	29	40		1100	2260
8/22/14	31	40		1100	2340
8/25/14	29	40		1100	2260
8/26/14	24	40		1000	1960
8/27/14	27	40		1200	2280
8/28/14	17	40		1000	1680
8/29/14	22	40		930	1810
9/2/14	28	40		1100	2220
9/3/14	30	40		1300	2500
9/4/14	35	40		1300	2700
9/5/14	27	40		1100	2180
9/8/14	33	40	1160	1300	3780
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Totals	384	40.0	2160	15620	33140

Total number of food waste in LBS	15360.0

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
9/11/14	149	154	147	150
9/12/14	148	157	151	152
9/15/14	148	153	145	149
9/16/14	147	155	145	149
9/17/14	147	152	144	148
9/18/14	146	151	142	146
9/19/14	146	151	139	145
9/22/14	143	148	134	142
9/23/14	143	147	132	141
9/24/14	141	146	132	140
9/25/14	142	146	133	140
9/26/14	143	145	134	141
9/29/14	141	143	131	138
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Compost Bin 3

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
9/25/14	5	15	1160	150	1385
9/26/15	16	40		930	1570
9/29/15	29	40		1100	2260
9/30/15	30	40		1100	2300
10/1/15	21	40		930	1770
10/2/15	23	40		930	1850
10/3/15	14	40		930	1490
10/6/15	32	40		1200	2480
10/7/15	26	40		930	1970
10/8/15	31	40		1100	2340
10/9/15	22	40		1100	1980
10/10/15	13	40		930	1450
10/13/15	35	40		1200	2600
10/14/15	21	40		1100	1940
10/15/15	16	40		1100	1740
10/16/15	6	40	1395	930	2565
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Totals	340	38.4	2555	15660	31690

Total number of food waste in LBS	13068.8

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
10/20/14	140	144	139	141
10/22/15	145	147	141	144
10/23/15	144	147	140	144
10/24/15	141	147	139	142
10/27/15	141	142	138	140
10/28/15	143	145	139	142
10/29/15	143	143	139	142
10/31/15	140	141	136	139
11/3/15	133	138	122	131
11/5/15	132	138	122	131
11/6/15	131	134	124	130
11/10/15	130	136	125	130
11/11/15	130	132	126	129
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Compost Bin 1

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
9/9/14	35	40	1160	1160	3720
9/10/14	31	40		1160	2400
9/11/14	16	40		930	1570
9/12/14	25	40		950	1950
9/15/14	25	40		930	1930
9/16/14	17	40		930	1610
9/17/14	24	40		930	1890
9/18/14	16	40		900	1540
9/19/14	24	40		930	1890
9/22/14	24	40		1000	1960
9/23/14	31	40		1100	2340
2/24/14	20	40		1000	1800
9/25/14	24	40	1160	1000	3120
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					0
Totals	312	40.0	2320	12920	27720
Total number of food waste in LBS		12480.0			

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
9/29/14	139	149	137	142
9/30/14	139	150	136	142
10/1/14	140	147	139	142
10/2/14	140	147	139	142
10/3/14	139	150	139	143
10/6/14	139	145	125	136
10/7/14	130	142	120	131
10/8/14	139	142	130	137
10/9/14	136	142	128	135
10/10/14	135	142	125	134
10/13/14	133	142	123	133
10/14/14	132	141	120	131
10/15/14	130	142	118	130
10/16/14	129	141	118	129
10/17/14	126	138	123	129
10/20/14	123	135	118	125
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Compost Bin 3

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
12/9/14	11	40	1200	930	2570
12/10/14	12	40		930	1410
12/11/14	6	40		750	990
12/12/14	3	40		400	520
12/15/14	11	40		465	905
12/16/14	9	40		350	710
12/17/14	1	40		200	240
12/19/14	4	40		300	460
1/5/15	2	40		150	230
1/6/15	10	40		930	1330
1/9/15	14	40		1300	1860
1/12/15	15	40		1300	1900
1/13/15	16	40		1400	2040
1/14/15	20	40		1400	2200
1/15/15	13	40		1300	1820
1/16/15	22	40		1160	2040
1/20/15	14	40		1200	1760
1/21/15	16	40		1300	1940
1/22/15	18	40		1300	2020
1/23/15	20	40		1300	2100
1/26/15	16	40		1200	1840
1/27/15	16	40	1200	1200	3040
					0
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					0
					0
					0
					0
					0
Totals	269	40.0	2400	20765	33925

Total number of food waste in LBS	10760.0

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
2/2/15	143	162	153	153
2/3/15	145	163	157	155
2/4/15	143	163	156	154
2/5/15	143	160	156	153
2/6/15	142	158	154	151
2/9/15	141	157	152	150
2/11/15	145	157	151	151
2/16/15	141	159	147	149
2/23/15	141	156	144	147
2/25/15	135	154	145	145
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Compost Bin 2

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
1/28/15	17	40	1200	1100	2980
1/29/15	15	40		1100	1700
1/30/15	13	40		930	1450
2/2/15	16	40		1000	1640
2/3/15	17	40		1100	1780
2/4/15	20	40		1100	1900
2/5/15	17	40		1100	1780
2/6/15	16	40		1000	1640
2/9/15	24	40		1000	1960
2/11/15	40	40		1800	3400
2/12/15	18	40		1100	1820
2/13/15	13	40		750	1270
2/16/15	33	40		1200	2520
2/17/15	17	40		1100	1780
2/18/15	12	40	1200	930	2610
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Totals	288	40.0	2400	16310	30230

Total number of food waste in LBS	11520.0

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
2/24/15	145	157	153	152
2/25/15	153	157	154	155
2/27/15	151	157	154	154
3/3/15	149	153	144	149
3/6/15	149	150	142	147
3/11/15	145	151	149	148
3/20/15	144	145	134	141
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Compost Bin 1

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
2/19/15	9	40	1200	930	2490
2/20/15	11	40		930	1370
2/23/15	22	40		1000	1880
2/24/15	18	40		930	1650
2/25/15	18	40		930	1650
2/27/15	40	40		2000	3600
3/2/15	29	40		1500	2660
3/3/15	12	40		1000	1480
3/4/15	15	40		1000	1600
3/5/15	13	40		930	1450
3/6/15	9	40		930	1290
3/9/15	11	40		930	1370
3/16/15	15	40		1000	1600
3/17/15	22	40		1300	2180
3/18/15	22	40	1200	1300	3380
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					0
Totals	266	40.0	2400	16610	29650

Total number of food waste in LBS	10640.0

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
3/20/15	151	167	157	158
3/23/15	147	162	163	157
3/25/15	144	159	159	154
3/30/15	141	154	144	146
4/9/15	140	152	144	145
4/14/15	135	148	150	144
4/17/15	134	146	148	143
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Compost Bin 3

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
3/19/15	18	40	1200	1000	2920
3/20/15	19	40		1000	1760
3/23/15	24	40		1100	2060
3/24/15	21	40		1100	1940
3/25/15	21	40		1100	1940
3/26/15	17	40		1000	1680
3/27/15	18	40		1100	1820
3/30/15	22	40		1200	2080
3/31/15	23	40		1250	2170
4/1/15	17	40		1000	1680
4/2/15	11	40		930	1370
4/3/15	10	40		930	1330
4/8/15	30	40		1250	2450
4/9/15	23	40		1250	2170
4/10/15	15	40	1200	1000	2800
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					0
Totals	289	40.0	2400	16210	30170

Total number of food waste in LBS	11560.0

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
4/14/15	163	171	158	164
4/17/15	160	167	148	158
4/21/15	158	164	143	155
4/24/15	159	163	136	153
4/28/15	157	161	136	151
5/4/15	152	158	139	150
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Compost Bin 2

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
4/13/15	35	40	1150	1250	3800
4/14/15	23	40		1000	1920
4/16/15	65	40		3000	5600
4/17/15	12	40		730	1210
4/20/15	32	50		1300	2900
4/21/15	27	40		1200	2280
4/22/15	21	40		930	1770
4/23/15	23	40		930	1850
4/24/15	17	40		900	1580
4/27/15	32	40		1200	2480
4/28/15	41	40		1700	3340
4/29/15	16	40	1200	800	2640
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Totals	344	40.8	2350	14940	31370

Total number of food waste in LBS	14046.7

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
5/4/15	159	164	170	164
5/6/15	160	162	174	165
5/8/15	163	159	173	165
5/13/15	159	159	166	161
5/18/15	156	162	161	160
5/20/15	155	160	161	159
5/21/15	154	160	160	158
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Compost Bin 1

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
4/30/15	19	40	1200	930	2890
5/1/15	20	40		930	1730
5/4/15	21	40		930	1770
5/5/15	19	40		930	1690
5/6/15	15	40		800	1400
5/7/15	10	40		700	1100
5/8/15	10	40		800	1200
5/11/15	15	40		930	1530
5/13/15	1	40		50	90
5/19/15	1	40		0	40
5/22/15	1	20		0	20
5/27/15	17	40		930	1610
5/28/15	6	40		800	1040
5/29/15	15	40		930	1530
6/1/15	15	40		930	1530
6/2/15	13	40		900	1420
6/4/15	15	40		930	1530
6/5/15	5	40		430	630
6/8/15	14	40	1200	930	2690
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Totals	232	38.9	2400	13780	25440

Total number of food waste in LBS	9035.8

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
6/9/15	152	154	135	147
6/11/15	151	152	140	148
6/12/15	151	150	140	147
6/16/15	150	147	140	146
6/17/15	150	147	140	146
6/19/15	153	146	136	145
6/23/15	153	146	136	145
6/28/15	148	142	128	139
6/30/15	146	141	126	138
7/8/15	139	141	129	136
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Compost Bin 2

Daily Loading Data

Load Date	Number of Barrels	Average Weight of Barrels in LBS	Filter/ Wood Chips in LBS	Wood Chips and Leaves in LBS	Daily Weight Loaded
6/9/15	14	40	1200	930	2690
6/11/15	12	40		930	1410
6/12/15	8	40		800	1120
6/15/15	23	40		1100	2020
6/16/15	13	40		930	1450
6/17/15	9	40		800	1160
6/18/15	8	40		800	1120
6/19/15	11	40		850	1290
6/22/15	13	40		800	1320
6/23/15	13	40		900	1420
6/24/15	7	40		700	980
6/25/15	10	40		900	1300
6/26/15	10	40		700	1100
6/29/15	19	40		1000	1760
6/30/15	10	40		700	1100
7/2/15	4	40		465	625
7/6/15	16	40		900	1540
7/7/15	10	40		600	1000
7/8/15	11	40	1200	650	2290
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Totals	221	40.0	2400	15455	26695

Total number of food waste in LBS	8840.0

Temps in °F- after full/capped

Date Temp Taken	Avg Back Temp	Avg Middle Temp	Avg Front Temp	Avg Bin Temp
7/9/15	161	153	131	148
7/10/15	163	153	132	149
7/13/15	161	153	130	148
7/15/15	158	151	119	143
7/17/15	155	153	123	144
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Pace Analytical Services, Inc.
6701 Conference Drive
Raleigh, NC 27607
(919)834-4984

ANALYTICAL RESULTS

late arrival made MPN a little high according to Pace. Some confusion at the post office

Project: Compost 6/19
Pace Project No.: 92256962

Sample: COMPOST **Lab ID: 92256962001** Collected: 06/19/15 09:00 Received: 07/01/15 10:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**66.4**	%	0.10	1		07/09/15 10:11		
9221CE Fecal Coliform, MPN RAL	Analytical Method: SM9221C E (MPN) 503							
Fecal Coliforms, MPN	**607**	MPN/g	0.018	1		07/01/15 11:21		H3

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6-19-2015

Manmade Inert Test For Compost
Appalachian State University

265 Dale St.
Boone, NC 28608
Watauga County
Permit Number SWC-95-04

Sample Size: 3175 Grams
Inert Materials: 11 Grams
% Manmade Materials: .35%

Diagnostic

Waste Report

Client: John Richards
Appalachian State University
265 Dale Street
Boone, NC 28607
Watauga County

Advisor: Mike Presnell
Southern Ag Co-Op
PO Box 85
Boone, NC 28607

Sampled: 06/18/2015 **Received:** 06/19/2015 **Completed:** 06/24/2015 *Farm:* 95-04

Links to Helpful Information

Sample Information

Sample ID: ASU001
Waste Code: FCV
Description:
Composted Veg. Residue
Comments:

Nutrient and Other Measurements

Nitrogen (N) (ppm)		P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Na (ppm)	C (ppm)
Total N	20800	2900	10800	24100	5220	2030	7210	704	146	24.0	26.4	1520	447000
Total Kjeldahl N													

	pH	DM (%)	SS (10^{-5}S/cm)	EC (mS/cm)	CCE (%)	ALE (tons)	C:N
Inorganic N							
NH_4-N	7.50	38.0	240	2.40			21.5 : 1
NO_3-N							

Organic N	Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)
Urea	8.32	0	10.6								

Estimate of Nutrients Available for First Crop (lb / ton)

Application Method	N	P_2O_5	K_2O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo
Soil Incorporated	7.89	3.79	8.82	13.8	2.97	1.16	4.10	0.40	0.08	0.01	0.02	

Other Elements (lb / ton)

Cl	Na	Ni	Cd	Pb	Al	Se	Li
	1.16	0.01	T	0.01			

Agronomist's Comments:

The electrical conductivity is high in this sample. If using this material in a container substrate mix, take this property into consideration. High EC can indicate good fertilizer value. High EC can also lead to root damage especially when the media is allowed to dry out. *Kristin A. Hicks 6/23/2015 5:13 PM

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 Troxler, Commissioner of Agriculture.

Understanding the Waste Report * - *additional information:* www.ncagr.gov/agronomi/pdffiles/uwaste.pdf & www.ncagr.gov/agronomi/pdffiles/wasteguide.pdf

Nutrient concentrations and other data on this report are provided so that waste materials can be applied at agronomic rates, thereby supplementing or reducing fertilizer application and preventing environmental contamination. In reading the **Laboratory Results** section, remember that materials with < 15% dry matter (generally liquids) are analyzed as received; all other wastes are dried first. Values in the **Estimate of Nutrients Available for First Crop** section are based on the type of waste and method of application you specify and reflect the fact that only 40-60% of the nitrogen and 70-100% of other nutrients become available within one year of application. The remainder *may or may not* ever become available.

* **ppm** = parts per million; **S** = siemens; **mS** = millisiemens; **T** = trace (<0.005 lb/unit); **EC** = electrical conductivity; **CCE** = calcium carbonate equivalence; **ALE** = agricultural lime equivalence; **pH** = acidity or basicity; **DM%** = % dry matter [for semi-solid and solid waste samples, this value facilitates conversion of dry-basis concentrations (ppm) back to wet-basis of original sample]; **C:N ratio** = carbon:nitrogen ratio.