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: Sunburst Trout Farm Permit: 4410

Physical Address		Mailing Address	
Street 1: 128 Raceway Place		Street 1: 128 Raceway Place	
Street 2:		Street 2:	
City: Canton	County: Haywood	City: Canton	
State: North Carolina	Zip: 28716	State: North Carolina	Zip: 28716

Primary Facility Contact Person		Billing Contact Person	
Name: Chris Inman		Name: Ben Eason	
Phone: 8286483010	Fax: 8286489279	Phone: 8286483010	Fax: 8286489279
Email: chris@sunbursttrout.com		Email: ben@sunbursttrout.com	

1. Tipping Fee: $0.00 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	☐			
Sawdust	☒	48		
Wooden Pallets	☐			
Food Waste	☐			
Animal Waste	☐			
Sludge and Biosolids	☐			
Grease Trap Waste	☐			
Animal Mortalities	☒	2		
Sheetrock	☐			
Commingled (Describe) Trout Abattoir	☒	72.5		
Other (Describe)	☐			
Other (Describe)	☐			
Other (Describe)	☐			
TOTAL		122.5		

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
Mulch							
Grade A Compost	100		10	75	15		
Grade B Compost							
Other							
Other							
TOTAL	100		10	75	15		

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
Haywood	8	10	7	6.5	5	4	3.5	4	7	7	7.5	7.5	77

Grand Total 77

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
NC DENR - Solid Waste Section
2090 US Highway 70
Swannanoa, NC. 28778

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

Signature: [signature] Date: 6-24-15

Name: Chris Dale Inman Title: Operations Manager

Phone Number: 828-648-3010 Email: chris@sunburst trout.com

COMPOST BIN NUMBER 4

LOADING DATA							TEMPERATURE DATA			
			Est. Total Weight (lbs)				Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds		Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
	7-1		950	500	1450		9-5	140	139	139
	7-3		1100	800	1900		9-6	140	138	139
	7-4		1000	500	1500		9-7	141	138	138
	7-7		1200	600	1800		9-8	140	138	137
	7-8		600	400	1000		9-9	141	139	138
	7-10		1000	400	1400		9-10	140	138	140
	7-11		800	500	1300		9-11	141	140	141
	7-14		1200	500	1700		9-12	141	139	139
	7-15		700	400	1100		9-13	140	137	136
	7-17		1000	400	1400		9-14	140	137	135
	7-18		800	300	1100		9-15	139	139	137
	7-21		1300	400	1700		9-16	140	138	137
	7-22		600	400	1000		9-17	140	138	139
	7-24		900	400	1300		9-18	141	139	138
	7-25		500	400	900		9-20	141	139	139
	7-28		1000	500	1500		9-21	140	138	139
	7-29		600	300	900					
	7-31		1100	600	1700					

16,350 .8300

COMPOST BIN NUMBER 5

LOADING DATA							TEMPERATURE DATA			
			Est. Total Weight (lbs)				Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds		Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
1	8-1		800	600	1400		10-20	143	145	144
	8-4		600	400	1000		10-21	143	145	143
	8-5		750	250	1000		10-22	143	146	143
	8-7		300	100	400		10-23	143	144	143
	8-8		1100	400	1500		10-24	143	144	144
	8-11		800	300	1100		10-25	144	145	145
	8-12		600	400	1000		10-26	145	145	144
	8-14		500	400	900		10-27	147	145	145
	8-15		550	400	950		10-28	146	144	145
	8-18		950	300	1250		10-29	148	143	145
	8-19		800	300	1100		10-30	148	144	144
	8-21		850	300	1150		10-31	148	144	145
	8-22		600	300	900		11-1	148	143	146
	8-25		650	300	950		11-2	147	143	146
	8-26		800	300	1100		11-3	148	143	147
	8-28		400	600	1000		11-4	148	144	146
WASTE 20,842	8-29		900	400	1300		11-5	149	144	145	6,550
	9-1		800	300	1100		11-6	147	144	146
	9-2		600	400	1000		11-7	148	144	146
	9-4		800	300	1100					
	9-5		900	300	1200					

COMPOST BIN NUMBER 5

LOADING DATA							TEMPERATURE DATA			
			Est. Total Weight (lbs)				Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds		Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
	9-8		800	400	1200					
	9-9		900	400	1300					
	9-11		700	300	1000					
	9-12		500	300	800					
	9-15		900	300	1200					
	9-16		600	400	1000					
	9-18		800	400	1200					
	9-19		700	600	1300					
	9-22		800	400	1200					

COMPOST BIN NUMBER 3

LOADING DATA						TEMPERATURE DATA			
			Est. Total Weight (lbs)			Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds	Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
1	9-23		600	300	900	1-14	138°	137°	136°
	9-25		750	300	1050	1-15	139°	137	136°
	9-26		600	400	1000	1-16	138	136	134
	9-29		800	300	1100	1-17	138	137	134
	9-30		1100	500	1600	1-18	137	138	135
	10-2		600	400	1000	1-19	138	137	134
	10-3		850	250	1100	1-20	137	138	137
	10-6		400	300	700	1-21	138	137	136
	10-7		500	400	900	1-22	138	137	136
	10-9		1000	300	1300	1-23	138	137	136
	10-10		600	400	1000	1-24	136	136	135
	10-13		900	500	1400	1-25	135	135	135
	10-14		550	300	850	1-26	137	136	135
	10-16		1100	500	1600	1-27	138	138	135
	10-17		700	300	1000	1-28	137	138	135
	10-20		1100	500	1600	1-29	136	136	135
	10-21		500	400	900	1-30	137	136	135
	10-23		1000	400	1400	2-1	137	135	135
	10-24		600	300	900				
	10-27		900	400	1300				
	10-28		700	300	1000				

Waste 13,700

Sawdust 6550

COMPOST BIN NUMBER 3

LOADING DATA							TEMPERATURE DATA			
			Est. Total Weight (lbs)				Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds		Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
	10-30		1000	500	1500					
	10-31		600	300	900					
	11-3		900	400	1300					
	11-4		700	300	1000					
	11-6		1000	700	1700					
	11-7		600	300	900					
	11-10		1100	700	1800					
	11-11		600	300	900					
	11-13		800	400	1200					
	11-14		500	300	800					
	11-17		900	400	1300					
	11-18		600	200	800					
	11-20		1100	500	1600					
	11-21		700	400	1100					
	11-24		400	300	700					
	11-25		300	200	500					
	12-1		1100	400	1500					
	12-2		800	200	1000					
	12-4		600	300	900					
	12-5		300	100	400					
	12-8		500	200	700					

WASTE 13,600

SAWDUST 6750

WASTE 10,200

5400 SAWDUST

COMPOST BIN NUMBER 2

LOADING DATA						TEMPERATURE DATA			
			Est. Total Weight (lbs)			Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds	Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
	12-9		625	300	925	3-1	139	137	137
	12-11		300	100	400	3-2	139	137	137
	12-12		175	100	275	3-3	139	136	138
	12-15		650	300	950	3-4	140	137	138
	12-16		400	300	700	3-5	140	139	138
	12-18		600	300	900	3-6	139	138	137
	12-19		300	200	500	3-7	139	139	137
	12-22		400	100	500	3-8	139	139	138
	12-29		600	300	900	3-9	139	139	138
	12-30		750	300	1050	3-10	140	139	138
	1-2		200	100	300	3-11	141	140	140
	1-5		725	300	1025	3-12	140	140	140
	1-6		600	300	900	3-13	140	140	142
	1-8		400	200	600	3-14	140	140	141
	1-9		50	100	150	3-15	142	142	141
	1-12		650	300	950	3-16	142	142	140
	1-13		400	300	700	3-17	142	142	141
	1-15		600	300	900	3-18	141	140	139
	1-16		150	200	350	3-19	140	140	139
	1-19		550	300	850	3-20	141	140	140
	1-20		600	300	900				

WASTE 8100

SAWDUST 3500

COMPOST BIN NUMBER 2

LOADING DATA							TEMPERATURE DATA			
			Est. Total Weight (lbs)				Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds		Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
	1-22		400	300	700					
	1-23		150	100	250					
	1-26		500	200	700					
	1-27		600	300	900					
	1-29		400	200	600					
	1-30		100	100	200					
			6425	3900						

COMPOST BIN NUMBER 5

LOADING DATA						TEMPERATURE DATA			
			Est. Total Weight (lbs)			Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds	Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
	2-2		400	300	700	4-15	138	138	137
	2-3		500	300	800	4-16	138	138	138
	2-5		300	200	500	4-17	138	138	137
	2-6		50	100	150	4-18	138	139	138
	2-9		700	300	1000	4-19	139	140	139
	2-10		600	300	900	4-20	139	141	139
	2-12		300	100	400	4-21	139	140	138
	2-13		400	200	600	4-22	140	140	140
	2-16		700	300	1000	4-23	139	140	140
	2-~~18~~ 17		400	200	600	4-24	139	139	139
	2-19		600	400	1000	4-25	138	140	139
	2-23		700	300	1000	4-26	139	141	137
	2-24		600	300	900	4-27	139	142	140
	2-26		400	200	600	4-28	139	141	141
	2-27		200	100	300	4-29	141	143	141
	3-2		700	400	1100	4-30	141	141	139
	3-3		400	200	600	5-1	143	140	140
	3-5		600	400	1000	4-2	142	142	141
	3-6		300	200	500	5-3	143	142	140
	3-9		650	350	1000				
	3-10		250	300	550				

WASTE 6850

SAWDUST 3500

COMPOST BIN NUMBER 5

LOADING DATA							TEMPERATURE DATA			
			Est. Total Weight (lbs)				Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds		Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
	3-12		800	400	1200					
	3-13		400	200	600					
	3-16		700	300	1000					
	3-17		200	200	400					
	3-19		600	400	1000					
	3-20		300	200	500					
	3-23		800	400	1200					
	3-24		500	400	900					
	3-26		750	350	1100					
	3-27		400	200	600					
	3-30		1000	600	1600					
	3-31		800	400	1200					
			10,150	5900						

COMPOST BIN NUMBER 4

LOADING DATA						TEMPERATURE DATA			
			Est. Total Weight (lbs)			Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds	Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
	4-2		800	400	1200	6-11	141	143	143
	4-3		350	250	600	6-12	140	144	142
	4-6		900	300	1200	6-13	141	144	143
	4-7		400	600	1000	6-14	142	144	143
	4-9		750	400	1150	6-15	143	143	142
	4-10		300	200	500	6-16	141	144	143
	4-13m		600	400	1000	6-17	140	144	142
	4-14		700	500	1200	6-18	142	144	142
	4-16		800	500	1300	6-19	142	144	143
	4-17		300	300	600	6-20	144	144	144
	4-20m		1100	800	1900	6-21	143	144	143
	4-21		600	400	1000	6-22	144	143	143
	4-23		700	300	1000	6-23	143	143	143
	4-24		500	300	800	6-24	144	144	143
	4-27m		1200	500	1700	6-25	144	145	144
	4-28		600	400	1000	6-26	144	145	142
	4-30		1000	700	1700	6-27	143	143	142
	5-1		700	350	1050	6-28	144	144	141
	5-4		600	300	900	6-29	143	145	143
	5-5		500	400	900				
	5-7		700	300	1000				

WASTE 11,600

SAWDUST 7,300

COMPOST BIN NUMBER 1

LOADING DATA							TEMPERATURE DATA			
			Est. Total Weight (lbs)				Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds		Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
	5-8		500	400	900					
	5-11		800	400	1200					
	5-12		600	300	900					
	5-14		800	400	1200					
	5-15		500	400	900					
	5-18		700	300	1000					
	5-19		600	300	900					
	5-21		700	400	1100					
	5-22		500	400	900					
	5-25		900	700	1600					
	5-26		800	400	1200					
	5-28		700	300	1000					
	5-29		800	500	1300					
	6-2		900	500	1400					
	6-3		700	300	1000					
	~~6-3~~		Move to 5							
	6-4		800	400	1200					
	6-5		700	300	1000					
	6-8		750	500	1250					
	6-9		800	500	1300					

WASTE 13,000

SAWDUST 7,350

COMPOST BIN NUMBER 5

LOADING DATA						TEMPERATURE DATA			
			Est. Total Weight (lbs)			Temperature After Full °F			
Day No.	Date		Est. Process Waste	Carbon Source Sawdust	Total pounds	Date	Avg. Back Temp.	Avg. Middle Temp.	Avg. Front Temp.
	6-11		800	400	1200				
	6-12		750	350	1100				
	6-15		900	800	1700				
	6-16		800	600	1400				
	6-18		700	400	1100				
	6-19		850	400	1250				
	6-22		1000	500	1500				
	6-23		800	500	1300				
	6-25		950	400	1350				
	6-26		800	600	1400				
	6-29		900	600	1500				
	6-30		1000	500	1500				
	7-1		900	800	1700				
15,000	7-2		800	600	1400				9,150
	7-6								
	7-7								
	7-9								
	7-10								

Sunburst Trout Company

4410 - Compost

Diagnostic

Waste Report

Client: Sunburst Trout Company
128 Raceway Pl.
Canton, NC 28716
Haywood County

Advisor: ,

Sampled: 03/24/2014 **Received:** 03/26/2014 **Completed:** 04/02/2014 *Farm:* , Links to Helpful Information

Sample Information

Sample ID: BIN1
Waste Code: FCW
Description:
Composted Waste - Other
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	35600	5470	3410	8430	842	3340	895	48.2	314	15.1	4.92	1520	580000

	pH	DM (%)	SS (10^{-5}S/cm)	EC (mS/cm)	CCE (%)	ALE(tons)	C:N
Total Kjeldahl N							
Inorganic N							
NH_4-N	5.42	81.4	445	4.45			16.3 : 1
NO_3-N							
Organic N							
Urea							

	Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)
	1.28	0.74	17.8								

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
Broadcast	23.2	12.2	5.33	8.24	0.82	3.26	0.87	0.05	0.31	0.01	T	
Soil Incorporated	28.9	15.3	6.00	10.3	1.03	4.08	1.09	0.06	0.38	0.02	0.01	

Other Elements (lb / ton)

Application Method	Cl	Na	Ni	Cd	Pb	Al	Se	Li
Broadcast		2.48	T	T	0.03			
Soil Incorporated		2.48	T	T	0.03			

Agronomist's Comments:

Ideal C:N depends on the materials used. Generally the ideal C:N ratio ranges from 20-30 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. * Aaron Pettit 4/2/2014 11:03 AM

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 Troxler, Commissioner of Agriculture.

Sample Information

Sample ID: BIN2
Waste Code: FCW
Description:
Composted Waste - Other
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	24600	8440	2920	15500	877	2960	853	59.8	281	7.36	3.33	1330	589000
Total Kjeldahl N													

Inorganic N	pH	DM (%)	SS (10^{-5}S/cm)	EC (mS/cm)	CCE (%)	ALE (tons)	C:N
NH_4-N	5.39	68.0	379	3.79			24.0 : 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	1.25	0.49	19.3								

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
Broadcast	13.4	15.8	3.82	12.6	0.72	2.41	0.70	0.05	0.23	0.01	T	
Soil Incorporated	16.7	19.7	4.29	15.8	0.89	3.01	0.87	0.06	0.29	0.01	T	

Other Elements (lb / ton)

Application Method	Cl	Na	Ni	Cd	Pb	Al	Se	Li
Broadcast		1.81	T	T	0.03			
Soil Incorporated		1.81	T	T	0.03			

Agronomist's Comments:

Ideal C:N depends on the materials used. Generally the ideal C:N ratio ranges from 20-30
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.
*

Sample Information

Sample ID: BIN3
Waste Code: FCW
Description:
Composted Waste - Other
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	30700	12000	3810	22000	999	3340	931	62.7	380	7.71	4.21	2080	546000
Total Kjeldahl N													

Inorganic N	*pH*	*DM (%)*	*SS (10^{-5}S/cm)*	*EC (mS/cm)*	*CCE (%)*	*ALE*(tons)	*C:N*
NH_4-N	5.36	70.3	503	5.03			17.8 : 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	1.22	0.47	17.7								

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*
Broadcast	17.3	23.3	5.13	18.6	0.84	2.82	0.78	0.05	0.32	0.01	T	
Soil Incorporated	21.6	29.1	5.78	23.2	1.05	3.52	0.98	0.07	0.40	0.01	T	

Other Elements (lb / ton)

Cl	*Na*	*Ni*	*Cd*	*Pb*	*Al*	*Se*	*Li*
	2.92	T	T	0.02			
	2.92	T	T	0.02			

Agronomist's Comments:

Ideal C:N depends on the materials used. Generally the ideal C:N ratio ranges from 20-30
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.
*

Analytical Results

STATESVILLE ANALYTICAL

Sunburst Trout Co.
128 Raceway Place
Canton NC 28716

Entered 3/25/2014
Reported: 3/31/2014

For: Compost

Sample ID	Parameter	Cust ID	Result	Units	Method	Date Analyzed	Analyst
140325-11.1	% Solids	Bin1	86.1	%	SM2540B-1997	3/25/14	CL
140325-11.1	Fecal Coliform MTF	Bin1	348	MPN/g	SM9221CE-2006	3/25/14	CL
140325-11.2	% Solids	Bin2	71.6	%	SM2540B-1997	3/25/14	CL
140325-11.2	Fecal Coliform MTF	Bin2	<28	MPN/g	SM9221CE-2006	3/25/14	CL
140325-11.3	% Solids	Bin3	72.5	%	SM2540B-1997	3/25/14	CL
140325-11.3	Fecal Coliform MTF	Bin3	<28	MPN/g	SM9221CE-2006	3/25/14	CL

Respectfully submitted,

Dena Myers

Dena Myers
NC Cert #440,
NCDW Cert #37755,
EPA NC00909

Bin 1	10.60 lbs	.02 FM
Bin 2	9.65	.01 FM
Bin 3	11.30	.00 FM

Analytical Results

STATESVILLE ANALYTICAL

Sunburst Trout Co.
128 Raceway Place
Canton, NC 28716

Receive Date: 04/28/2015
Reported: 04/30/2015
For: Bin Fecals
Comments:

Sample Number	Parameter	Sample ID	Result	Unit	Method	Analyzed	Analyst
150428-12-01	Fecal Coliforms	Bin#2	<36	MPN/g	SM9221CE-2006	04/28/2015	CL
150428-12-01	Percent Solids	Bin#2	55.80	%	SM2540B-1997	04/28/2015	CL
150428-12-02	Fecal Coliforms	Bin#5	<25	MPN/g	SM9221CE-2006	04/28/2015	CL
150428-12-02	Percent Solids	Bin#5	78.57	%	SM2540B-1997	04/28/2015	CL
150428-12-03	Fecal Coliforms	Bin#6	<26	MPN/g	SM9221CE-2006	04/28/2015	CL
150428-12-03	Percent Solids	Bin#6	78.22	%	SM2540B-1997	04/28/2015	CL

Respectfully submitted,

Dena Myers

Dena Myers
NC Cert #440,
NCDW Cert #37755,
EPA #NC00909

#2 14.50 lb = 14.49 piece of plastic

#5 13.64 lb. = 13.64

#6 17.41 lb. = 17.39 small Rock

NCDA&CS Agronomic Division | Phone: (919) 733-2655 | Website: www.ncagr.gov/agronomi/ | FY15-W006665

Diagnostic

Waste Report

Client: Sunburst Trout Farm LLC
128 Raceway Pl.
Canton, NC 28716
Haywood County

Advisor: ,

Sampled: **Received:** 04/28/2015 **Completed:** 05/01/2015 *Farm:*

Links to Helpful Information

Sample Information

Sample ID: BIN2
Waste Code: FCW
Description:
Composted Waste - Other
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	14200	4570	2510	7400	464	2470	549	37.9	257	7.99	2.69	1210	548000
Total Kjeldahl N													

pH	*DM (%)*	*SS (10^{-5}S/cm)*	*EC (mS/cm)*	*CCE (%)*	*ALE*(tons)	*C:N*
4.88	70.7	467	4.67			38.6 : 1

Inorganic N
NH_4-N
NO_3-N

Organic N
Urea

Ni (ppm)	*Cd (ppm)*	*Pb (ppm)*	*Al (ppm)*	*Se (ppm)*	*Li (ppm)*	*As (ppm)*	*Cr (ppm)*	*Co (ppm)*	*Cl (ppm)*	*Mo (ppm)*
1.13	0.36	33.1								

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*
Broadcast	8.03	8.88	3.41	6.28	0.39	2.10	0.47	0.03	0.22	0.01	T	
Soil Incorporated	10.0	11.1	3.83	7.85	0.49	2.62	0.58	0.04	0.27	0.01	T	

Other Elements (lb / ton)

Application Method	*Cl*	*Na*	*Ni*	*Cd*	*Pb*	*Al*	*Se*	*Li*
Broadcast		1.71	T	T	0.05			
Soil Incorporated		1.71	T	T	0.05			

Agronomist's Comments:

The pH is lower than ideal for compost. A target range of 6.0-7.0 is optimum. 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. *

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 Troxler, Commissioner of Agriculture.

Sample Information

Sample ID: BIN6
Waste Code: FCW
Description:
Composted Waste - Other
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	17500	5630	3450	9480	678	2730	1110	49.1	348	6.70	3.48	1670	479000
Total Kjeldahl N													

pH	*DM (%)*	*SS (10^{-5}S/cm)*	*EC (mS/cm)*	*CCE (%)*	*ALE* (tons)	*C:N*
5.04	78.3	407	4.07			27.3 : 1

Inorganic N
NH_4-N
NO_3-N

Organic N
Urea

Ni (ppm)	*Cd (ppm)*	*Pb (ppm)*	*Al (ppm)*	*Se (ppm)*	*Li (ppm)*	*As (ppm)*	*Cr (ppm)*	*Co (ppm)*	*Cl (ppm)*	*Mo (ppm)*
1.86	0.36	42.7								

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*
Broadcast	11.0	12.1	5.18	8.90	0.64	2.56	1.04	0.05	0.33	0.01	T	
Soil Incorporated	13.7	15.2	5.82	11.1	0.80	3.20	1.31	0.06	0.41	0.01	T	

Other Elements (lb / ton)

Cl	*Na*	*Ni*	*Cd*	*Pb*	*Al*	*Se*	*Li*
	2.62	T	T	0.07			
	2.62	T	T	0.07			

Agronomist's Comments:

The pH is lower than ideal for compost. A target range of 6.0-7.0 is optimum. 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. *