

According to G.S. 130A-309.09D(b), completed forms must be returned by August 1, 2016 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: Buncombe County MSW Landfill Permit: 1107-MSWLF-1996

Physical Address	Mailing Address
Street 1: <u>85 Panther Branch Road</u>	Street 1: <u>81 Panther Branch Road</u>
Street 2: _____	Street 2: _____
City: <u>Alexander</u> County: <u>Buncombe</u>	City: <u>Alexander</u>
State: <u>North Carolina</u> Zip: <u>28701</u>	State: <u>North Carolina</u> Zip: <u>28701</u>
Primary Facility Contact Person	Billing Contact Person
Name: <u>Stephen Hunter</u>	Name: <u>Donna Cottrell</u>
Phone: <u>(828) 250-5460</u> Fax: <u>(828) 250-5478</u>	Phone: <u>(828) 250-4834</u> Fax: <u>(828) 250-5478</u>
Email: <u>stephen.hunter@buncombecounty.org</u>	Email: <u>donna.cottrell@buncombecounty.org</u>

- Tipping Fee: \$43.00 \_\_\_\_\_ per Ton (Attach a schedule of tipping fees if appropriate.)
- Does the tip fee above include the \$2.00 Solid Waste Tax?  Yes  No
- Did your facility stop receiving waste during this past Fiscal Year?  Yes  No  
If so, please report the date this occurred: \_\_\_\_\_
- How is your leachate transported to the waste water treatment plant?  Sewer Connection  Pump Truck  N/A

<b>Airspace (Capacity):</b> Questions in this section relate to all cells/units of the lined facility operated under the current 4-digit permit number regardless of whether the cells/units are closed or are not contiguous at the time of this report. Tonnage questions must be based on scale records and cover the period between the opening date and the date of the last survey unless another time period is approved. Airspace measurements include daily, intermediate and final cover.	5. Date Facility Last Surveyed: <u>May 9, 2016</u>
	6. Airspace Used (cubic yards): <u>4,262,761</u>
	7. Total Tons Disposed in Airspace Used (tons): <u>2,369,263</u>

- Do you utilize any alternate daily cover at this facility? If so, please describe below.

Yes, we use posi-shell.

For Internal Use Only:

Received	116,533.49
Recycled	3,650.43
Landfilled	112,883.06
Landfill Rate	0.9687



10. What other activities occur at this facility? (check all that apply)

Recycling/Reuse Collection     Scrap Tire Collection     White Goods Collection     Household Hazardous Waste Collection

If you checked Recycling/Reuse Collection, please indicate the materials and amount recycled (tons):

Material	Tons	Material	Tons
Paper		Concrete/rubble/asphalt	
Plastic		Computer Equipment	16.77
Carpet		Televisions	137.15
Cardboard	55.07	Fluorescent Light Bulbs	4.28
Glass		Used oil/oil filters	
Aluminum Cans		Wood	1,021.25
Steel Cans		Gypsum/Drywall	
Other Metal		Other (specify): metal and whitegoods	265.42
Pallets		Other (specify): tires	1,971.54
Commingled Recyclables	178.95	Other (specify):	
<b>Total Recycled Material</b>			<b>3,650.43</b>

**Summary of Facility Activity**

11. Input total amount of waste that was received, recycled, and that is exempt from taxation (ex-sludge, biosolids). Subtract total recycled material and total tax-exempt tons from total tonnage received. This number should represent the amount of tons subject to the solid waste disposal tax and thus should equal the E-500K tax tonnage total on right.

Waste/Material	Tons
Total Tonnage Received (question 9)	116,533.49
Total Received Materials Recycled (question 10)	− 3,650.43
Total Tons Landfilled at this Facility	== 112,883.06
Disposed Tons Exempt from Taxation* (if any)	− 3,915.54
<b>Total Tonnage Subject to Disposal Tax</b>	<b>== 108,967.52</b>

**NC Solid Waste Disposal Tax**

12. If required to file NC E-500K forms with NC Dept. of Revenue, provide the four quarterly tonnages this facility reported for fiscal year 2015-2016.

Quarter	Tons Reported
July 1 - September 30 (Qtr1)	30,180.51
October 1 - December 31 (Qtr2)	29,154.85
January 1 - March 31 (Qtr3)	23,666.42
April 1 - June 30 (Qtr4)	25,965.74
<b>NC E-500K Tax Tonnage Total</b>	<b>108,967.52</b>

13. If you indicated that your facility disposed tons of waste materials that were exempt from taxation in Question 11\*, please provide a description of any tax exempt tons disposed and explain any difference existing between Total Tonnage Subject to Disposal Tax and NC E-500K Tax Tonnage Total.

Disposed tons exempt from taxation is the sludge from MSD, sludges are not subject to the solid waste disposal tax pursuant to N.C. Gen.Stat. 105-187.61.

Total tonnage reported on the E-500K is for the MSW landfill and the C&D landfill tonnage COMBINED, so the total tonnage reported here will not match exactly with the E-500K as C&D tonnage is included when completing the E-500K, see C&D form for the other tonnage.

Wondering why the request to combine recyclables with garbage tonnage in this spreadsheet

1. Recyclables and garbage tonnages are tracked separately for several reasons, it becomes very time consuming to begin combining these waste streams into 1 month tonnage totals, let alone into a quarterly spreadsheet as requested here.
2. As it looks now, question 11, 3rd column shows Buncombe County "landfilled" 3,650 more tons than were actually "landfilled" since these were recycled tons and never "landfilled." Maybe change the wording of the 3rd column if this is the format you're moving towards.
3. The annual facility reports are excellent tools to look back on when reviewing monthly tonnages for waste, when recyclables are combined into the spreadsheet (#9 of this report) it becomes impossible to use this report as a tool for monthly garbage that was landfilled.

14. Are there SWANA or other certified operator(s) at this facility?  Yes  No

If yes, indicate the following:

Name: Kristy Smith; Stephen Hunter Certification type and expiration date: MOLO 2/9/17,Bioreactor 10/22/17; MOLO

Name: James Yount,Charles Angel,Junior Certification type and expiration date: 4/19/17;4/19/17;4/27/16;8/21/18;8/21/18;9/4/18;3/22/19

Name: \_\_\_\_\_ Certification type and expiration date: \_\_\_\_\_

Name: \_\_\_\_\_ Certification type and expiration date: \_\_\_\_\_

Name: \_\_\_\_\_ Certification type and expiration date: \_\_\_\_\_

15. Comments, suggestions or notes:

**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 return 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: Kristy Smith

Digitally signed by Kristy Smith  
 DN: cn=Kristy Smith, o=Solid Waste, ou=Buncombe County, email=kristy.smith@buncombecounty.org, c=US  
 Date: 2016.08.01 15:14:51 -0400

Date: Aug 1, 2016

Name: Kristy Smith

Title: Bioreactor Manager

Phone Number: (828) 250-5460

Email: kristy.smith@buncombecounty.org

Facility Name: Buncombe County MSW Landfill Permit: 1107-MSWLF-1996

Address: 85 Panther Branch Road

City: Alexander State: North Carolina Zip: 28701

Person completing Assessment: Kristy Smith Date: Jul 25, 2016

Phone Number: (828) 250-5473 Fax: (828) 250-5478 Email: kristy.smith@buncombecounty.org

**Instructions:** Please indicate either *Yes or No* for each Receptor and Post Closure Maintenance question. Then please determine the distance or distances for each Receptor from the *Edge of Waste* (using range finders and/or GIS maps) and type that information into the form. Please attach additional information including GIS maps, lists of potable well locations, etc.

**Receptors**

1. Are there Residential Structures Within 1,500 feet of the Edge of Waste?  Yes  No  
 If Yes, how many? 11  
 What are the three closest distances from the *Edge of Waste*? 816 Feet 1090 Feet 1262 Feet
2. Are there Water Supply Wells Within 1,500 feet of the Edge of Waste?  Yes  No  
 If Yes, how many? 4  
 What are the three closest distances from the *Edge of Waste*? 816 Feet 1090 Feet 1262 Feet
3. Are there Community/Municipal Wells Within 1,500 feet of the Edge of Waste?  Yes  No  
 If Yes, how many? \_\_\_\_\_  
 What are the three closest distances from the *Edge of Waste*? \_\_\_\_\_ Feet \_\_\_\_\_ Feet \_\_\_\_\_ Feet
4. Are there Surface Water Features Within 1,500 feet of the Edge of Waste?  Yes  No  
 If Yes, how many? 4  
 What are the three closest distances from the *Edge of Waste*? 475 Feet 600 Feet 950 Feet  
 Please list the names of the water bodies: 2 tributaries to Panther Branch, Blevin Branch, tributary to French Broad
5. Is Public Water Available Within 1,500 feet of the Edge of Waste?  Yes  No  
 If Yes, how many of the Residential Structures noted above are connected? \_\_\_\_\_

**Corrective Measures**

6. Is there an active methane extraction system (blower, flare, etc.)?  Yes  No
7. Is there a passive methane extraction system (trench, vents in cap, flare, etc.)?  Yes  No
8. Is there groundwater remediation taking place on site?  Yes  No  
 If Yes, what is the specific remedial technology used? \_\_\_\_\_

**Comments**

An active methane extraction system is present, producing landfill gas to energy.