

## **Appendix D – Landfill Capacities**

This appendix contains capacity data for both municipal solid waste landfills and construction and demolition landfills. This is the first year that data is being presented for construction and demolition landfills. The data presented represents only a snapshot in time of the facilities here. Numbers and figures continually adjust and change as the facilities continue to operate.

This appendix is divided into two sections. The first section contains the municipal solid waste landfills ordered by permit number. The second section contains the construction and demolition landfills ordered by permit number.



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Austin Quarter SWM Facility

01-04

2701 Austin Quarter Road

Graham, NC 27253

phone: (336) 376-8902

http://www.alamance-nc.com/d/landfill

County
Alamance

DATES	Opened	Surveyed	Years Open
	3/18/1994	3/19/2009	15.0

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	78,475.85	1,208,880.00	80,573.62

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	2,875,600.00	7,124,400.00	10,000,000.00
Used	1,785,391.00	0.00	1,785,391.00
Remaining	1,090,209.00	7,124,400.00	8,214,609.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	1,208,880.00	1,785,391.00	0.68

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	738,175.48	4,823,898.33	5,562,073.81
Years (Avg TPY)	9.16	59.87	69.03
Years (FY TPY)	9.41	61.47	70.88

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

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# Municipal Solid Waste Landfill Capacity

## FY08-09

### Chambers Development MSWLF

04-03

375 Allied Road  
 Polkton, NC 28135  
 phone: (704) 262-6002  
 http://republicservices.com

County
Anson

DATES	Opened	Surveyed	Years Open
		12/12/2000	2/3/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		156,380.24	2,217,055.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	3,060,690.00	16,017,840.00	19,078,530.00
	Used	2,571,170.00	0.00	2,571,170.00
	Remaining	489,520.00	16,017,840.00	16,507,360.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		2,217,055.00	2,571,170.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	422,100.74	13,811,779.17	14,233,879.92
	Years (Avg TPY)	1.55	50.74	52.29
	Years (FY TPY)	2.70	88.32	91.02

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

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# Municipal Solid Waste Landfill Capacity

## FY08-09

### Ashe County Landfill

05-01

739 Fred Pugh Road  
 Crumpler, NC 28617  
 phone: (336) 846-3721  
 http://ashecountygov.com

County
Ashe

DATES	Opened	Surveyed	Years Open
	11/1/1993	5/14/2009	15.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	18,075.30	276,675.27	17,813.44

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	629,404.00	1,685,251.00	2,314,655.00
	Used	558,235.00	0.00	558,235.00
	Remaining	71,169.00	1,685,251.00	1,756,420.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	276,675.27	558,235.00	0.50

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	35,273.14	835,252.67	870,525.81
	Years (Avg TPY)	1.98	46.89	48.87
	Years (FY TPY)	1.95	46.21	48.16

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

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# Municipal Solid Waste Landfill Capacity

## FY08-09

### East Carolina Environmental Regional Landfill

**08-03**

1922 Republican Road  
 Aulander, NC 27805  
 phone: (252) 348-3322

County
Bertie

DATES	Opened	Surveyed	Years Open
	8/6/1993	3/4/2009	15.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	316,387.66	6,933,429.74	445,145.93

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	13,467,000.00	10,733,000.00	24,200,000.00
Used	8,765,681.00	0.00	8,765,681.00
Remaining	4,701,319.00	10,733,000.00	15,434,319.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	6,933,429.74	8,765,681.00	0.79

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	3,718,623.23	8,489,528.81	12,208,152.04
Years (Avg TPY)	8.35	19.07	27.43
Years (FY TPY)	11.75	26.83	38.59

**Calculated Values:**

- Average Tons = (Total Tons Received) / (Years Open)
- Unconstructed Airspace = (Facility Total) - (Constructed)
- Remaining Airspace
  - Constructed = (Constructed) - (Used)
  - Unconstructed = (Unconstructed) - (Used)
  - Facility Total = (Facility Total) - (Used)
- Compaction Density = (Total Tons Received) / (Total Airspace Used)
- Remaining Capacity
  - Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)
  - Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)
  - Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)
  - Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)
  - Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)
  - Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)
  - Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)
  - Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)
  - Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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Data provided by Facility.  
 Analysis by Solid Waste Section.

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# Municipal Solid Waste Landfill Capacity FY08-09

## Buncombe County Solid Waste Management Facility

11-07

85 Panther Branch Road  
Alexander, NC 28701  
phone: (828) 250-5467  
<http://www.buncombecounty.org>

County
Buncombe

DATES	Opened	Surveyed	Years Open
		9/29/1997	5/18/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		131,895.00	1,584,602.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	4,327,688.00	4,737,813.00	9,065,501.00
	Used	3,198,312.00	0.00	3,198,312.00
	Remaining	1,129,376.00	4,737,813.00	5,867,189.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		1,584,602.00	3,198,312.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	559,548.75	2,347,346.96	2,906,895.71
	Years (Avg TPY)	4.11	17.23	21.34
	Years (FY TPY)	4.24	17.80	22.04

### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

### Note:

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

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# Municipal Solid Waste Landfill Capacity

## FY08-09

### BFI-Charlotte Mtr Speedway Landfill V

**13-04**

5105 Morehead Road  
 Concord, NC 28027  
 phone: (704) 262-6002  
 http://republicservices.com

County
Cabarrus

DATES	Opened	Surveyed	Years Open
	3/6/1992	2/3/2009	16.9

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	1,188,880.34	23,961,838.00	1,416,649.62

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	32,954,982.00	28,576,053.00	61,531,035.00
Used	24,521,250.00	0.00	24,521,250.00
Remaining	8,433,732.00	28,576,053.00	37,009,785.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	23,961,838.00	24,521,250.00	0.98

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	8,241,330.27	27,924,137.34	36,165,467.61
Years (Avg TPY)	5.82	19.71	25.53
Years (FY TPY)	6.93	23.49	30.42

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

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# Municipal Solid Waste Landfill Capacity

## FY08-09

### Foothills Environmental Landfill

14-03

2800 Cheraw Road

Lenoir, NC 28645

phone: (828) 757-0965

County
Caldwell

DATES	Opened	Surveyed	Years Open
	8/26/1998	3/5/2009	10.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	240,485.38	1,725,340.30	163,938.75

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	4,997,000.00	13,043,000.00	18,040,000.00
Used	3,850,730.00	0.00	3,850,730.00
Remaining	1,146,270.00	13,043,000.00	14,189,270.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	1,725,340.30	3,850,730.00	0.45

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	513,592.44	5,843,986.34	6,357,578.79
Years (Avg TPY)	3.13	35.65	38.78
Years (FY TPY)	2.14	24.30	26.44

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010





# Municipal Solid Waste Landfill Capacity

## FY08-09

### Catawba County Landfill

18-03

3993 Rocky Ford Road

Newton, NC 28658

phone: (704) 462-1348

<http://www.co.catawba.nc.us/depts/u&e/solwasmg.asp>

County
Catawba

DATES	Opened	Surveyed	Years Open
		12/30/1997	4/27/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		132,900.78	1,851,906.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	7,539,663.00	18,560,337.00	26,100,000.00
	Used	3,539,663.00	0.00	3,539,663.00
	Remaining	4,000,000.00	18,560,337.00	22,560,337.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		1,851,906.00	3,539,663.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	2,092,748.38	9,710,528.79	11,803,277.16
	Years (Avg TPY)	12.80	59.38	72.17
	Years (FY TPY)	15.75	73.07	88.81

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Cherokee County MSW Facility

20-02

10160 US 19  
Marble, NC 28905  
phone: (828) 837-2621

County
Cherokee

DATES	Opened	Surveyed	Years Open
		1/9/1998	5/20/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		16,095.63	217,054.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	465,479.00	662,461.00	1,127,940.00
	Used	390,085.00	0.00	390,085.00
	Remaining	75,394.00	662,461.00	737,855.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		217,054.00	390,085.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	41,951.29	368,611.48	410,562.77
	Years (Avg TPY)	2.20	19.29	21.49
	Years (FY TPY)	2.61	22.90	25.51

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Cleveland County Landfill

23-01

1609 Airport Road

Shelby, NC 28150

phone: (704) 476-3162

http://www.clevelandcounty.com

County
Cleveland

DATES	Opened	Surveyed	Years Open
	7/27/1998	6/30/2009	10.9

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	82,026.78	902,613.28	82,605.74

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	3,842,923.00	5,627,077.00	9,470,000.00
	Used	1,812,945.00	0.00	1,812,945.00
	Remaining	2,029,978.00	5,627,077.00	7,657,055.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	902,613.28	1,812,945.00	0.50

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	1,010,667.78	2,801,560.13	3,812,227.91
	Years (Avg TPY)	12.23	33.91	46.15
	Years (FY TPY)	12.32	34.15	46.48

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### CRSWMA Long-term Regional Landfill

25-09

7400 Old US 70 West

New Bern, NC 28562

phone: (252) 633-1564

http://www.coastalenvironmentalpartnership.com

County
Craven

DATES	Opened	Surveyed	Years Open
	8/25/1999	7/1/2009	9.9

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	196,417.66	1,938,564.00	196,792.80

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	5,198,300.00	10,301,700.00	15,500,000.00
Used	2,855,354.00	0.00	2,855,354.00
Remaining	2,342,946.00	10,301,700.00	12,644,646.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	1,938,564.00	2,855,354.00	0.68

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	1,590,678.69	6,994,055.64	8,584,734.34
Years (Avg TPY)	8.08	35.54	43.62
Years (FY TPY)	8.10	35.61	43.71

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Cumberland County Landfill

26-01

698 Ann Street

Fayetteville, NC 28301

phone: (910) 321-6929

[http://co.cumberland.nc.us/solid\\_waste\\_mgmt/container\\_sites/ann\\_st\\_landfill.aspx](http://co.cumberland.nc.us/solid_waste_mgmt/container_sites/ann_st_landfill.aspx)

County
Cumberland

DATES	Opened	Surveyed	Years Open
		12/17/1997	6/10/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		168,473.38	1,739,027.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	2,963,369.00	3,539,602.00	6,502,971.00
	Used	2,724,761.00	0.00	2,724,761.00
	Remaining	238,608.00	3,539,602.00	3,778,210.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		1,739,027.00	2,724,761.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	152,287.03	2,259,083.80	2,411,370.83
	Years (Avg TPY)	1.01	14.91	15.92
	Years (FY TPY)	0.90	13.41	14.31

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Davidson County MSW Lined Landfill

29-06

220 Davidson County Landfill Road

Lexington, NC 27292

phone: (336) 240-0303

[http://www.co.davidson.nc.us/government/department\\_portal.aspx](http://www.co.davidson.nc.us/government/department_portal.aspx)

County
Davidson

DATES	Opened	Surveyed	Years Open
	10/1/1994	5/13/2009	14.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	111,755.47	1,441,094.00	98,606.14

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	3,390,996.00	5,623,024.00	9,014,020.00
Used	2,512,406.00	0.00	2,512,406.00
Remaining	878,590.00	5,623,024.00	6,501,614.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	1,441,094.00	2,512,406.00	0.57

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	503,951.50	3,225,317.15	3,729,268.65
Years (Avg TPY)	5.11	32.71	37.82
Years (FY TPY)	4.51	28.86	33.37

#### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

#### Note:

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Hanes Mill Road Landfill

**34-02**

325 West Hanes Mill Road  
 Winston-Salem, NC 27105  
 phone: (336) 747-7310  
 http://www.cityofws.org

County
Forsyth

DATES	Opened	Surveyed	Years Open
		4/7/1997	1/1/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		239,489.89	3,302,414.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	5,678,332.00	10,768,484.00	16,446,816.00
	Used	5,278,516.00	0.00	5,278,516.00
	Remaining	399,816.00	10,768,484.00	11,168,300.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		3,302,414.00	5,278,516.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	250,138.10	6,737,119.36	6,987,257.46
	Years (Avg TPY)	0.89	23.94	24.83
	Years (FY TPY)	1.04	28.13	29.18

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Gaston County Landfill

36-06

3155 Philadelphia Church Road

Dallas, NC 28034

phone: (704) 922-0267

http://www.co.gaston.nc.us/solidwaste

County
Gaston

DATES	Opened	Surveyed	Years Open
		7/1/1997	3/24/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		146,775.10	1,131,105.50

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	2,800,000.00	2,340,685.00	5,140,685.00
	Used	2,080,685.00	0.00	2,080,685.00
	Remaining	719,315.00	2,340,685.00	3,060,000.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		1,131,105.50	2,080,685.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	391,035.24	1,272,447.14	1,663,482.38
	Years (Avg TPY)	4.05	13.19	17.25
	Years (FY TPY)	2.66	8.67	11.33

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010





# Municipal Solid Waste Landfill Capacity

## FY08-09

### City of High Point MSW Landfill

41-04

3748 East Kivett Drive  
 High Point, NC 27260  
 phone: (336) 883-3433  
 http://www.high-point.net

County
Guilford

DATES	Opened	Surveyed	Years Open
		10/1/1993	5/13/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		81,676.37	1,792,485.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	3,442,281.00	0.00	3,442,281.00
	Used	2,986,570.00	0.00	2,986,570.00
	Remaining	455,711.00	0.00	455,711.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		1,792,485.00	2,986,570.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	273,509.45	0.00	273,509.45
	Years (Avg TPY)	2.38	0.00	2.38
	Years (FY TPY)	3.35	0.00	3.35

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity FY08-09

## City of Greensboro

41-12

2503 White Street

Greensboro, NC 27405

phone: (336) 373-7661

<http://www.greensboro-nc.gov/departments/environmental>

County
Guilford

DATES	Opened	Surveyed	Years Open
	12/9/1997	6/19/2009	11.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	7,766.29	2,357,374.19	204,520.41

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	5,113,682.00	0.00	5,113,682.00
Used	3,223,278.00	0.00	3,223,278.00
Remaining	1,890,404.00	0.00	1,890,404.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	2,357,374.19	3,223,278.00	0.73

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	1,382,564.46	0.00	1,382,564.46
Years (Avg TPY)	6.76	0.00	6.76
Years (FY TPY)	178.02	0.00	178.02

### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

### Note:

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Haywood County Solid Waste

44-07

3898 Fines Creek Road  
 Waynesville, NC 28785  
 phone: (828) 627-8042  
 http://haywoodnc.net

County
Haywood

DATES	Opened	Surveyed	Years Open
		10/15/1993	3/30/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		50,881.02	703,388.17

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	1,548,800.00	1,317,000.00	2,865,800.00
	Used	1,325,103.00	0.00	1,325,103.00
	Remaining	223,697.00	1,317,000.00	1,540,697.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		703,388.17	1,325,103.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	118,742.33	699,086.95	817,829.29
	Years (Avg TPY)	2.61	15.36	17.97
	Years (FY TPY)	2.33	13.74	16.07

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Iredell County Solid Waste

49-03

354 Twin Oaks Road  
 Statesville, NC 28625  
 phone: (704) 878-5430

County
Iredell

DATES	Opened	Surveyed	Years Open
	10/8/1993	6/2/2009	15.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	187,176.54	2,125,033.93	135,788.78

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	5,167,570.00	1,493,810.00	6,661,380.00
	Used	3,727,036.00	0.00	3,727,036.00
	Remaining	1,440,534.00	1,493,810.00	2,934,344.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	2,125,033.93	3,727,036.00	0.57

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	821,345.33	851,721.57	1,673,066.90
	Years (Avg TPY)	6.05	6.27	12.32
	Years (FY TPY)	4.39	4.55	8.94

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Johnston County Landfill

51-03

680 County Home Road

Smithfield, NC 27577

phone: (919) 938-4750

[http://www.johnstonnc.com/mainpage.cfm?category\\_level\\_id=571](http://www.johnstonnc.com/mainpage.cfm?category_level_id=571)

County
Johnston

DATES	Opened	Surveyed	Years Open
		10/1/1997	6/19/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		103,500.71	1,214,310.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	3,619,147.00	15,513,237.00	19,132,384.00
	Used	2,473,458.00	0.00	2,473,458.00
	Remaining	1,145,689.00	15,513,237.00	16,658,926.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		1,214,310.00	2,473,458.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	562,460.17	7,616,009.17	8,178,469.35
	Years (Avg TPY)	5.43	73.48	78.90
	Years (FY TPY)	5.43	73.58	79.02

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Lenoir County Landfill

54-09

2949 Hodges Farm Road

LaGrange, NC 28551

phone: (252) 566-4194

http://co.lenoir.nc.us

County
Lenoir

DATES	Opened	Surveyed	Years Open
	7/1/2004	4/20/2009	4.8

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	47,909.57	222,974.47	46,431.83

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	635,000.00	2,365,000.00	3,000,000.00
Used	492,636.00	0.00	492,636.00
Remaining	142,364.00	2,365,000.00	2,507,364.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	222,974.47	492,636.00	0.45

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	64,436.09	1,070,434.60	1,134,870.69
Years (Avg TPY)	1.39	23.05	24.44
Years (FY TPY)	1.34	22.34	23.69

#### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

#### Note:

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Lincoln County Solid Waste

**55-03**

5291 Crouse Road  
 Crouse, NC 28033  
 phone: (704) 732-9030

County
Lincoln

DATES	Opened	Surveyed	Years Open
	5/22/1993	4/6/2009	15.9

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	45,508.00	679,568.00	42,809.97

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	2,176,100.00	2,261,600.00	4,437,700.00
Used	1,425,382.00	0.00	1,425,382.00
Remaining	750,718.00	2,261,600.00	3,012,318.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	679,568.00	1,425,382.00	0.48

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	357,913.83	1,078,244.98	1,436,158.81
Years (Avg TPY)	8.36	25.19	33.55
Years (FY TPY)	7.86	23.69	31.56

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Macon County Solid Waste

57-03

1448 Lakeside Drive

Franklin, NC 28734

phone: (828) 349-2215

http://www.maconnc.org/solidwaste

County
Macon

DATES	Opened	Surveyed	Years Open
		5/1/1992	6/8/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		32,706.00	474,495.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	1,345,525.00	1,485,400.00	2,830,925.00
	Used	845,932.00	0.00	845,932.00
	Remaining	499,593.00	1,485,400.00	1,984,993.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		474,495.00	845,932.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	280,228.65	833,181.48	1,113,410.12
	Years (Avg TPY)	10.10	30.03	40.13
	Years (FY TPY)	8.57	25.47	34.04

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010





# Municipal Solid Waste Landfill Capacity

## FY08-09

### Mecklenburg County Landfill

60-19

17131 Lancaster Highway

Charlotte, NC 28277

phone: (704) 336-6513

http://wipeoutwaste.com

County
Mecklenburg

DATES	Opened	Surveyed	Years Open
	4/11/2000	2/21/2009	8.9

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	79,173.00	1,090,780.00	123,041.20

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	5,659,985.00	10,240,015.00	15,900,000.00
	Used	1,931,923.00	0.00	1,931,923.00
	Remaining	3,728,062.00	10,240,015.00	13,968,077.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	1,090,780.00	1,931,923.00	0.56

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	2,104,895.21	5,781,598.73	7,886,493.94
	Years (Avg TPY)	17.11	46.99	64.10
	Years (FY TPY)	26.59	73.02	99.61

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity FY08-09

## Uwharrie Environmental Regional Landfill

62-04

500 Landfill Road  
Mount Gilead, NC 27306  
phone: (910) 576-3697

County
Montgomery

DATES	Opened	Surveyed	Years Open
	12/11/1995	3/4/2009	13.2

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	802,316.47	7,778,170.47	587,950.49

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	14,885,000.00	18,900,000.00	33,785,000.00
Used	11,129,347.00	0.00	11,129,347.00
Remaining	3,755,653.00	18,900,000.00	22,655,653.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	7,778,170.47	11,129,347.00	0.70

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	2,624,781.96	13,208,988.98	15,833,770.94
Years (Avg TPY)	4.46	22.47	26.93
Years (FY TPY)	3.27	16.46	19.74

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### New Hanover County Landfill

65-04

5210 US Highway 421 North

Wilmington, NC 28401

phone: (910) 798-4403

http://www.nhcgov.com

County
New Hanover

DATES	Opened	Surveyed	Years Open
	8/24/1981	5/30/2009	27.8

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	119,807.57	4,225,252.00	152,181.57

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	7,843,310.00	1,060,790.00	8,904,100.00
Used	5,825,133.00	0.00	5,825,133.00
Remaining	2,018,177.00	1,060,790.00	3,078,967.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	4,225,252.00	5,825,133.00	0.73

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	1,463,881.84	769,442.53	2,233,324.37
Years (Avg TPY)	9.62	5.06	14.68
Years (FY TPY)	12.22	6.42	18.64

#### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

#### Note:

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Camp Lejeune MSW Landfill

**67-08**

Building 982 Piney Green Road

Camp Lejeune, NC 28542

phone: (910) 451-5003

County
Onslow

DATES	Opened	Surveyed	Years Open
	1/1/1998	5/31/2009	11.4

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	45,920.10	519,092.63	45,489.10

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,996,665.00	2,092,335.00	4,089,000.00
Used	1,209,345.00	0.00	1,209,345.00
Remaining	787,320.00	2,092,335.00	2,879,655.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	519,092.63	1,209,345.00	0.43

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	337,944.93	898,102.43	1,236,047.35
Years (Avg TPY)	7.43	19.74	27.17
Years (FY TPY)	7.36	19.56	26.92

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Onslow Subtitle D Landfill

67-09

415 Meadowview Road  
 Jacksonville, NC 28540

phone: (910) 989-2107

<http://www.onslowcountync.gov/landfill>

County
Onslow

DATES	Opened	Surveyed	Years Open
		1/1/1998	6/10/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		124,024.62	1,371,543.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	2,918,696.00	1,438,477.00	4,357,173.00
	Used	2,183,024.00	0.00	2,183,024.00
	Remaining	735,672.00	1,438,477.00	2,174,149.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		1,371,543.00	2,183,024.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	462,205.54	903,761.51	1,365,967.04
	Years (Avg TPY)	3.85	7.54	11.39
	Years (FY TPY)	3.73	7.29	11.01

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Orange County Landfill

68-01

1514 Eubanks Road  
 Chapel Hill Road, NC 27516  
 phone: (919) 968-2788

County
Orange

DATES	Opened	Surveyed	Years Open
	7/1/1995	2/24/2009	13.7

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	50,760.20	786,450.00	57,599.93

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,604,000.00	0.00	1,604,000.00
Used	1,311,000.00	0.00	1,311,000.00
Remaining	293,000.00	0.00	293,000.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	786,450.00	1,311,000.00	0.60

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	175,766.48	0.00	175,766.48
Years (Avg TPY)	3.05	0.00	3.05
Years (FY TPY)	3.46	0.00	3.46

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Upper Piedmont Regional Landfill

73-04

9650 Oxford Road  
 Rougemont, NC 27572  
 phone: (336) 364-3699

County
Person

DATES	Opened	Surveyed	Years Open
	7/30/1997	3/4/2009	11.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	225,183.82	2,569,509.91	221,608.85

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	4,600,000.00	3,900,000.00	8,500,000.00
Used	3,913,043.00	0.00	3,913,043.00
Remaining	686,957.00	3,900,000.00	4,586,957.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	2,569,509.91	3,913,043.00	0.66

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	451,092.11	2,560,945.19	3,012,037.30
Years (Avg TPY)	2.04	11.56	13.59
Years (FY TPY)	2.00	11.37	13.38

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Robeson County Landfill

**78-03**

246 Landfill Road  
 Saint Pauls, NC 28384  
 phone: (910) 865-3348

County
Robeson

DATES	Opened	Surveyed	Years Open
	1/1/1998	7/20/2009	11.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	88,329.08	1,073,208.00	92,932.49

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,942,894.00	4,181,404.00	6,124,298.00
Used	1,846,317.00	0.00	1,846,317.00
Remaining	96,577.00	4,181,404.00	4,277,981.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	1,073,208.00	1,846,317.00	0.58

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	56,137.28	2,430,523.16	2,486,660.43
Years (Avg TPY)	0.60	26.15	26.76
Years (FY TPY)	0.64	27.52	28.15

**Calculated Values:**

- Average Tons = (Total Tons Received) / (Years Open)
- Unconstructed Airspace = (Facility Total) - (Constructed)
- Remaining Airspace
  - Constructed = (Constructed) - (Used)
  - Unconstructed = (Unconstructed) - (Used)
  - Facility Total = (Facility Total) - (Used)
- Compaction Density = (Total Tons Received) / (Total Airspace Used)
- Remaining Capacity
  - Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)
  - Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)
  - Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)
  - Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)
  - Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)
  - Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)
  - Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)
  - Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)
  - Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010





# Municipal Solid Waste Landfill Capacity

## FY08-09

### Rockingham County Landfill

79-04

281 Shuff Road  
 Madison, NC 27025  
 phone: (336) 427-5421  
 http://co.rockingham.nc.us

County
Rockingham

DATES	Opened	Surveyed	Years Open
		5/5/1995	4/9/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		83,877.90	1,083,444.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	2,720,112.00	3,934,991.00	6,655,103.00
	Used	2,099,751.00	0.00	2,099,751.00
	Remaining	620,361.00	3,934,991.00	4,555,352.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		1,083,444.00	2,099,751.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	320,098.15	2,030,403.79	2,350,501.94
	Years (Avg TPY)	4.12	26.11	30.22
	Years (FY TPY)	3.82	24.21	28.02

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Rowan County Landfill

80-03

789 Campbell Road  
 Woodleaf, NC 27054  
 phone: (704) 216-8589  
 http://www.rowancountync.gov

County
Rowan

DATES	Opened	Surveyed	Years Open
	12/1/1989	6/16/2009	19.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	136,751.37	1,534,998.03	78,556.54

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	3,451,834.00	11,619,166.00	15,071,000.00
	Used	2,821,475.00	0.00	2,821,475.00
	Remaining	630,359.00	11,619,166.00	12,249,525.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	1,534,998.03	2,821,475.00	0.54

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	342,941.13	6,321,302.48	6,664,243.61
	Years (Avg TPY)	4.37	80.47	84.83
	Years (FY TPY)	2.51	46.22	48.73

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### WI-Sampson County MSW Unit

82-02

7434 Roseboro Highway

Roseboro, NC 28382

phone: (910) 990-0141

County
Sampson

DATES	Opened	Surveyed	Years Open
	2/22/1999	2/7/2009	10.0

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	1,054,304.81	7,692,878.00	772,353.96

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	13,729,944.00	42,870,056.00	56,600,000.00
Used	9,546,020.00	0.00	9,546,020.00
Remaining	4,183,924.00	42,870,056.00	47,053,980.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	7,692,878.00	9,546,020.00	0.81

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	3,371,710.61	34,547,812.67	37,919,523.27
Years (Avg TPY)	4.37	44.73	49.10
Years (FY TPY)	3.20	32.77	35.97

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### City of Albemarle Landfill

**84-01**

40592 B Stony Gap Road

Albemarle, NC 28001

phone: (704) 984-9667

County
Stanly

DATES	Opened	Surveyed	Years Open
	5/20/1999	4/14/2009	9.9

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	46,047.42	433,370.00	43,762.34

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,449,190.00	3,521,654.00	4,970,844.00
Used	740,104.00	0.00	740,104.00
Remaining	709,086.00	3,521,654.00	4,230,740.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	433,370.00	740,104.00	0.59

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	415,207.32	2,062,114.51	2,477,321.83
Years (Avg TPY)	9.49	47.12	56.61
Years (FY TPY)	9.02	44.78	53.80

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Surry County Municipal Solid Waste Landfill

86-06

237 Landfill Road  
 Mount Airy, NC 27030  
 phone: (336) 401-8375  
 http://www.co.surry.nc.us

County
Surry

DATES	Opened	Surveyed	Years Open
		12/1/1998	6/25/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		64,550.90	712,975.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	1,301,000.00	3,911,000.00	5,212,000.00
	Used	1,298,650.00	0.00	1,298,650.00
	Remaining	2,350.00	3,911,000.00	3,913,350.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		712,975.00	1,298,650.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	1,290.18	2,147,187.64	2,148,477.82
	Years (Avg TPY)	0.02	31.82	31.84
	Years (FY TPY)	0.02	33.26	33.28

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Transylvania County Solid Waste

88-07

500 Howell Road  
 Brevard, NC 28712  
 phone: (828) 884-6830  
<http://transylvaniacounty.org/landfill.htm>

County
Transylvania

DATES	Opened	Surveyed	Years Open
	6/13/1990	2/2/2009	18.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	23,827.90	361,702.00	19,402.50

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	878,782.00	508,308.00	1,387,090.00
	Used	579,233.00	0.00	579,233.00
	Remaining	299,549.00	508,308.00	807,857.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	361,702.00	579,233.00	0.62

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	187,053.35	317,412.89	504,466.24
	Years (Avg TPY)	9.64	16.36	26.00
	Years (FY TPY)	7.85	13.32	21.17

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Wake County South Wake MSWLF

92-22

6300 Old Smithfield Road

Raleigh, NC 27539

phone: (919) 856-7444

http://www.wakegov.com

County
Wake

DATES	Opened	Surveyed	Years Open
	2/7/2008	7/15/2009	1.4

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	463,126.15	577,124.00	402,279.66

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,810,730.00	26,655,370.00	28,466,100.00
Used	1,207,510.00	0.00	1,207,510.00
Remaining	603,220.00	26,655,370.00	27,258,590.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	577,124.00	1,207,510.00	0.48

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	288,306.30	12,739,814.79	13,028,121.09
Years (Avg TPY)	0.72	31.67	32.39
Years (FY TPY)	0.62	27.51	28.13

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Municipal Solid Waste Landfill Capacity

## FY08-09

### Wayne County Landfill

96-06

460 B South Landfill Road

Dudley, NC 28333

phone: (919) 689-2994

<http://www.waynegov.com/165810316164725693/site/default.asp>

County
Wayne

DATES	Opened	Surveyed	Years Open
	1/26/1998	4/22/2009	11.2

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	73,200.72	952,114.71	84,736.82

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	2,082,000.00	2,922,195.00	5,004,195.00
	Used	1,539,760.00	0.00	1,539,760.00
	Remaining	542,240.00	2,922,195.00	3,464,435.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	952,114.71	1,539,760.00	0.62

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	335,295.55	1,806,947.09	2,142,242.64
	Years (Avg TPY)	3.96	21.32	25.28
	Years (FY TPY)	4.58	24.68	29.27

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010





# Municipal Solid Waste Landfill Capacity FY08-09

## Wilkes County Landfill

97-04

9219 Elkin Highway  
Roaring River, NC 28669  
phone: (336) 696-5806  
http://wilkescounty.net

County
Wilkes

DATES	Opened	Surveyed	Years Open
	10/7/1993	2/5/2009	15.3

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	57,483.58	784,232.87	51,150.19

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	2,342,380.00	2,110,100.00	4,452,480.00
	Used	1,729,490.00	0.00	1,729,490.00
	Remaining	612,890.00	2,110,100.00	2,722,990.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	784,232.87	1,729,490.00	0.45

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	277,913.42	956,819.51	1,234,732.93
	Years (Avg TPY)	5.43	18.71	24.14
	Years (FY TPY)	4.83	16.65	21.48

### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

### Note:

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Austin Quarter C&D Unit

**01-04**

2701 Austin Quarter Road

Graham, NC 27253

phone: (336) 376-8902

http://www.alamance-nc.com/d/landfill

County
Alamance

DATES	Opened	Surveyed	Years Open
	11/1/1993	3/19/2009	15.4

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	3,989.76	108,477.00	7,053.81

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	206,838.00	26,388.00	233,226.00
Used	193,093.00	0.00	193,093.00
Remaining	13,745.00	26,388.00	40,133.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	108,477.00	193,093.00	0.56

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	7,721.75	14,824.42	22,546.17
Years (Avg TPY)	1.09	2.10	3.20
Years (FY TPY)	1.94	3.72	5.65

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Cobles C&D Landfill

**01-05**

5833 Foster Store Road

Liberty, NC 27298

phone: (336) 565-4750

County
Alamance

DATES	Opened	Surveyed	Years Open
	9/25/1998	7/14/2009	10.8

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	14,488.29	587,753.77	54,417.51

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	998,781.00	5,937,122.00	6,935,903.00
Used	844,632.00	0.00	844,632.00
Remaining	154,149.00	5,937,122.00	6,091,271.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	587,753.77	844,632.00	0.70

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	107,267.61	4,131,462.98	4,238,730.59
Years (Avg TPY)	1.97	75.92	77.89
Years (FY TPY)	7.40	285.16	292.56

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## Alexander County CDLF

02-01

2500 Payne Dairy Road

Taylorsville, NC 28681

phone: (828) 632-1101

http://www.alexandercountync.gov

County
Alexander

DATES	Opened	Surveyed	Years Open
	1/1/1998	6/23/2009	11.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	1,688.12	34,471.00	3,004.18

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	130,296.00	0.00	130,296.00
	Used	83,524.00	0.00	83,524.00
	Remaining	46,772.00	0.00	46,772.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	34,471.00	83,524.00	0.41

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	19,303.17	0.00	19,303.17
	Years (Avg TPY)	6.43	0.00	6.43
	Years (FY TPY)	11.43	0.00	11.43

### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

### Note:

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## Avery County

**06-03**

2175 Brushy Creek Road

Spruce Pine, NC 28777

phone: (828) 737-5420

http://averycountync.gov

County
Avery

Information not available by time of report.

DATES	Opened	Surveyed	Years Open
	7/1/1996	9/24/2007	11.2

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	0.00	33,637.60	2,995.16

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted			
Used	105,286.00	0.00	105,286.00
Remaining			

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	33,637.60	105,286.00	0.32

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste			
Years (Avg TPY)			
Years (FY TPY)			

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Brunswick County CDLF

**10-07**

172 Landfill Road  
Bolivia, NC 28422

phone: (910) 253-2521

http://www.brunswickcountync.gov

County
Brunswick

DATES	Opened	Surveyed	Years Open
	7/1/1998	7/26/2007	9.1

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	26,683.91	47,015.25	5,184.88

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,146,100.00	0.00	1,146,100.00
Used	871,608.00	0.00	871,608.00
Remaining	274,492.00	0.00	274,492.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	47,015.25	871,608.00	0.05

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	14,806.32	0.00	14,806.32
Years (Avg TPY)	2.86	0.00	2.86
Years (FY TPY)	0.55	0.00	0.55

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Buncombe County Solid Waste Management Facility

**11-07**

85 Panther Branch Road  
Alexander, NC 28701  
phone: (828) 250-5467  
http://www.buncombecounty.org

County
Buncombe

DATES	Opened	Surveyed	Years Open
	9/1/1997	4/21/2009	11.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	32,529.00	448,947.00	38,583.03

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	764,786.00	1,665,500.00	2,430,286.00
Used	692,513.00	0.00	692,513.00
Remaining	72,273.00	1,665,500.00	1,737,773.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	448,947.00	692,513.00	0.65

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	46,853.63	1,079,721.58	1,126,575.21
Years (Avg TPY)	1.21	27.98	29.20
Years (FY TPY)	1.44	33.19	34.63

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Burke County CDLF

**12-03**

2500 Marsh Trail  
Morganton, NC 28655  
phone: (828) 439-4394  
http://co.burke.nc.us

County
Burke

DATES	Opened	Surveyed	Years Open
	1/7/1998	7/28/2009	11.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	9,297.73	165,642.55	14,336.72

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	322,496.00	0.00	322,496.00
Used	235,935.00	0.00	235,935.00
Remaining	86,561.00	0.00	86,561.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	165,642.55	235,935.00	0.70

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	60,771.76	0.00	60,771.76
Years (Avg TPY)	4.24	0.00	4.24
Years (FY TPY)	6.54	0.00	6.54

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010





# Construction and Demolition Landfill Capacity FY08-09

## Cabarrus County Solid Waste

**13-02**

4441 Irish Potato  
Concord, NC 28026  
phone: (704) 920-2950  
<http://www.cabarruscounty.us/waste>

County
Cabarrus

DATES	Opened	Surveyed	Years Open
	12/5/2006	5/22/2009	2.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	45,089.85	129,672.48	52,683.95

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	327,559.00	480,293.00	807,852.00
Used	220,693.00	0.00	220,693.00
Remaining	106,866.00	480,293.00	587,159.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	129,672.48	220,693.00	0.59

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	62,791.20	282,205.53	344,996.73
Years (Avg TPY)	1.19	5.36	6.55
Years (FY TPY)	1.39	6.26	7.65

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## Highway 49 C&D Landfill and Recycling

**13-06**

2105 Speedrail Court  
Harrisburg, NC 28025

phone: (704) 895-0329

<http://www.griffinbrothers.com/reclamation/>

County
Cabarrus

DATES	Opened	Surveyed	Years Open
	4/4/2000	3/20/2009	9.0

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	81,862.57	557,052.90	62,183.24

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	2,247,000.00	0.00	2,247,000.00
Used	994,600.00	0.00	994,600.00
Remaining	1,252,400.00	0.00	1,252,400.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	557,052.90	994,600.00	0.56

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	701,440.83	0.00	701,440.83
Years (Avg TPY)	11.28	0.00	11.28
Years (FY TPY)	8.57	0.00	8.57

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## Catawba County C&D Unit

**18-03**

3993 Rocky Ford Road

Newton, NC 28658

phone: (704) 462-1348

<http://www.co.catawba.nc.us/depts/u&e/solwasmg.asp>

County
Catawba

### Unit 2 Data

DATES	Opened	Surveyed	Years Open
	10/1/2002	4/27/2009	6.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	32,910.67	236,242.00	35,953.08

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	836,000.00	994,624.00	1,830,624.00
Used	381,624.00	0.00	381,624.00
Remaining	454,376.00	994,624.00	1,449,000.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	236,242.00	381,624.00	0.62

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	281,278.68	615,715.90	896,994.58
Years (Avg TPY)	7.82	17.13	24.95
Years (FY TPY)	8.55	18.71	27.26

#### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

#### Note:

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## Cleveland County Landfill

**23-01**

1609 Airport Road  
Shelby, NC 28150  
phone: (704) 476-3162  
http://clevelandcounty.com

County
Cleveland

DATES	Opened	Surveyed	Years Open
	1/1/1998	6/30/2009	11.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	41,272.78	488,345.23	42,488.83

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	789,550.00	0.00	789,550.00
Used	557,310.00	0.00	557,310.00
Remaining	232,240.00	0.00	232,240.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	488,345.23	557,310.00	0.88

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	203,501.28	0.00	203,501.28
Years (Avg TPY)	4.79	0.00	4.79
Years (FY TPY)	4.93	0.00	4.93

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## Cumberland County C&D

26-01

698 Ann Street

Fayetteville, NC 28301

phone: (910) 321-6929

[http://co.cumberland.nc.us/solid\\_waste\\_mgmt/container\\_sites/ann\\_st\\_landfill.aspx](http://co.cumberland.nc.us/solid_waste_mgmt/container_sites/ann_st_landfill.aspx)

County
Cumberland

DATES	Opened	Surveyed	Years Open
	1/1/1998	6/10/2009	11.4

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	17,911.16	312,669.00	27,334.22

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	681,975.00	0.00	681,975.00
Used	403,587.00	0.00	403,587.00
Remaining	278,388.00	0.00	278,388.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	312,669.00	403,587.00	0.77

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	215,674.19	0.00	215,674.19
Years (Avg TPY)	7.89	0.00	7.89
Years (FY TPY)	12.04	0.00	12.04

### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

### Note:

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Fort Bragg C&D Landfill

**26-08**

Bldg #O-3454, Lamont Road

Fort Bragg, NC 28310

phone: (910) 396-3372

County
Cumberland

DATES	Opened	Surveyed	Years Open
	1/27/1998	6/2/2009	11.3

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	100,422.98	1,234,305.91	108,791.08

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	4,330,857.00	0.00	4,330,857.00
Used	2,021,105.40	0.00	2,021,105.40
Remaining	2,309,751.60	0.00	2,309,751.60

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	1,234,305.91	2,021,105.40	0.61

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	1,410,584.55	0.00	1,410,584.55
Years (Avg TPY)	12.97	0.00	12.97
Years (FY TPY)	14.05	0.00	14.05

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Dare County C&D Landfill

**28-03**

1603 Cub Road  
Manns Harbor, NC 27953  
phone: (252) 475-5880

County
Dare

DATES	Opened	Surveyed	Years Open
	11/15/1995	6/20/2008	12.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	14,881.00	200,462.15	15,913.67

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	918,000.00	653,800.00	1,571,800.00
Used	684,680.00	0.00	684,680.00
Remaining	233,320.00	653,800.00	887,120.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	200,462.15	684,680.00	0.29

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	68,311.95	191,421.03	259,732.99
Years (Avg TPY)	4.29	12.03	16.32
Years (FY TPY)	4.59	12.86	17.45

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## Davidson County CDLF

29-06

220 Davidson County Landfill Road

Lexington, NC 27292

phone: (336) 240-0303

[http://www.co.davidson.nc.us/government/department\\_portal.aspx](http://www.co.davidson.nc.us/government/department_portal.aspx)

County
Davidson

DATES	Opened	Surveyed	Years Open
	12/4/2001	5/13/2009	7.4

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	9,313.58	74,338.00	9,993.36

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	244,324.00	76,006.00	320,330.00
Used	147,550.00	0.00	147,550.00
Remaining	96,774.00	76,006.00	172,780.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	74,338.00	147,550.00	0.50

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	48,756.26	38,293.01	87,049.27
Years (Avg TPY)	4.88	3.83	8.71
Years (FY TPY)	5.23	4.11	9.35

### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

### Note:

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010





# Construction and Demolition Landfill Capacity FY08-09

## Edgecombe County CDLF

**33-01**

2872 Colonial Road  
Tarboro, NC 27886

phone: (252) 827-4253

http://www.edgecombecountync.gov

County
Edgecombe

DATES	Opened	Surveyed	Years Open
	12/30/1997	10/26/2008	10.8

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	13,377.42	349,813.88	32,322.17

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,094,500.00	0.00	1,094,500.00
Used	636,400.00	0.00	636,400.00
Remaining	458,100.00	0.00	458,100.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	349,813.88	636,400.00	0.55

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	251,806.63	0.00	251,806.63
Years (Avg TPY)	7.79	0.00	7.79
Years (FY TPY)	18.82	0.00	18.82

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Old Salisbury Road Landfill

**34-12**

3336 Old Salisbury Road  
Winston-Salem, NC 27127  
phone: (336) 747-7310  
<http://www.cityofws.org>

County
Forsyth

DATES	Opened	Surveyed	Years Open
	8/1/1996	1/1/2009	12.4

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	59,136.73	1,136,288.00	91,496.74

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	4,030,000.00	0.00	4,030,000.00
Used	2,364,900.00	0.00	2,364,900.00
Remaining	1,665,100.00	0.00	1,665,100.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	1,136,288.00	2,364,900.00	0.48

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	800,047.85	0.00	800,047.85
Years (Avg TPY)	8.74	0.00	8.74
Years (FY TPY)	13.53	0.00	13.53

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Gaston County C&D Landfill

**36-06**

3155 Philadelphia Church Road

Dallas, NC 28034

phone: (704) 922-0267

http://www.co.gaston.nc.us/solidwaste

County
Gaston

DATES	Opened	Surveyed	Years Open
	2/5/1999	3/20/2009	10.1

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	35,111.84	402,060.65	39,732.86

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	910,294.00	0.00	910,294.00
Used	610,294.00	0.00	610,294.00
Remaining	300,000.00	0.00	300,000.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	402,060.65	610,294.00	0.66

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	197,639.49	0.00	197,639.49
Years (Avg TPY)	4.97	0.00	4.97
Years (FY TPY)	5.63	0.00	5.63

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Northern Granville C&D Landfill

**39-01**

6584 Landfill Road  
Oxford, NC 27565  
phone: (919) 603-1355

County
Granville

DATES	Opened	Surveyed	Years Open
	1/1/1998	6/30/2009	11.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	15,159.56	66,564.00	5,791.45

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	349,550.00	191,632.00	541,182.00
Used	79,399.00	0.00	79,399.00
Remaining	270,151.00	191,632.00	461,783.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	66,564.00	79,399.00	0.84

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	226,480.57	160,654.32	387,134.90
Years (Avg TPY)	39.11	27.74	66.85
Years (FY TPY)	14.94	10.60	25.54

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Greene County CDLF

**40-02**

105 Landfill Road  
Walstonburg, NC 27888  
phone: (252) 747-5720

County
Greene

DATES	Opened	Surveyed	Years Open
	1/1/1998	5/8/2009	11.3

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	750.02	27,500.00	2,423.25

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	164,961.00	0.00	164,961.00
Used	122,023.00	0.00	122,023.00
Remaining	42,938.00	0.00	42,938.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	27,500.00	122,023.00	0.23

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	9,676.82	0.00	9,676.82
Years (Avg TPY)	3.99	0.00	3.99
Years (FY TPY)	12.90	0.00	12.90

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## City of Greensboro

41-03

2503 White Street

Greensboro, NC 27405

phone: (336) 373-7661

<http://www.greensboro-nc.gov/departments/environmental>

County
Guilford

DATES	Opened	Surveyed	Years Open
	1/1/1998	6/19/2009	11.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	72,123.67	1,443,709.94	125,941.02

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	2,315,800.00	0.00	2,315,800.00
Used	1,136,005.00	0.00	1,136,005.00
Remaining	1,179,795.00	0.00	1,179,795.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	1,443,709.94	1,136,005.00	1.27

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	1,499,361.15	0.00	1,499,361.15
Years (Avg TPY)	11.91	0.00	11.91
Years (FY TPY)	20.79	0.00	20.79

### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

### Note:

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### WCA of High Point

**41-16**

5830 Riverdale Drive  
Jamestown, NC 27282  
phone: (336) 886-3560

County
Guilford

DATES	Opened	Surveyed	Years Open
	2/4/2004	2/13/2009	5.0

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	78,210.62	607,500.00	120,854.78

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,067,860.00	3,839,000.00	4,906,860.00
Used	867,860.00	0.00	867,860.00
Remaining	200,000.00	3,839,000.00	4,039,000.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	607,500.00	867,860.00	0.70

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	139,999.54	2,687,291.15	2,827,290.69
Years (Avg TPY)	1.16	22.24	23.39
Years (FY TPY)	1.79	34.36	36.15

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### A-1 Sandrock C&D Landfill

**41-17**

2091 Bishop Road  
Greensboro, NC 27406  
phone: (336) 736-2104  
<http://www.a1sandrockinc.com>

County
Guilford

DATES	Opened	Surveyed	Years Open
	4/19/2009	6/30/2009	0.2

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	3,237.60	3,237.00	16,421.03

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	62,370.00	2,177,630.00	2,240,000.00
Used	5,396.00	0.00	5,396.00
Remaining	56,974.00	2,177,630.00	2,234,604.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	3,237.00	5,396.00	0.60

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	34,178.06	1,306,335.86	1,340,513.93
Years (Avg TPY)	2.08	79.55	81.63
Years (FY TPY)	10.56	403.49	414.05

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010





# Construction and Demolition Landfill Capacity FY08-09

## Halifax County Landfill

**42-04**

921 Liles Road  
Littleton, NC 27850  
phone: (252) 586-7516

County
Halifax

DATES	Opened	Surveyed	Years Open
	1/1/1998	5/1/2008	10.3

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	4,445.47	51,635.00	4,998.59

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	131,267.00	0.00	131,267.00
Used	67,399.00	0.00	67,399.00
Remaining	63,868.00	0.00	63,868.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	51,635.00	67,399.00	0.77

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	48,929.87	0.00	48,929.87
Years (Avg TPY)	9.79	0.00	9.79
Years (FY TPY)	11.01	0.00	11.01

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## Harnett County CDLF

43-02

449 Daniels Road  
Dunn, NC 28334  
phone: (910) 893-7536

County
Harnett

DATES	Opened	Surveyed	Years Open
	1/1/1998	6/1/2008	10.4

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	16,566.10	164,725.56	15,816.51

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	899,000.00	0.00	899,000.00
	Used	861,000.00	0.00	861,000.00
	Remaining	38,000.00	0.00	38,000.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	164,725.56	861,000.00	0.19

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	7,270.12	0.00	7,270.12
	Years (Avg TPY)	0.46	0.00	0.46
	Years (FY TPY)	0.44	0.00	0.44

### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

### Note:

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.  
Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Harnett County Anderson Creek C&D Landfill

**43-03**

1086 Poplar Drive  
Lillington, NC 27546  
phone: (910) 893-7536

County
Harnett

DATES	Opened	Surveyed	Years Open
	12/1/1996	7/1/2009	12.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	9,313.29	97,394.62	7,741.76

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	286,610.00	0.00	286,610.00
Used	276,400.00	0.00	276,400.00
Remaining	10,210.00	0.00	10,210.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	97,394.62	276,400.00	0.35

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	3,597.68	0.00	3,597.68
Years (Avg TPY)	0.46	0.00	0.46
Years (FY TPY)	0.39	0.00	0.39

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## Johnston County Landfill

51-03

680 County Home Road

Smithfield, NC 27577

phone: (919) 938-4750

[http://www.johnstonnc.com/mainpage.cfm?category\\_level\\_id=571](http://www.johnstonnc.com/mainpage.cfm?category_level_id=571)

County
Johnston

DATES	Opened	Surveyed	Years Open
		7/18/2007	6/19/2009

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
		29,517.01	64,793.00

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	410,675.00	462,658.00	873,333.00
	Used	136,788.00	0.00	136,788.00
	Remaining	273,887.00	462,658.00	736,545.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
		64,793.00	136,788.00

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	129,733.31	219,149.34	348,882.65
	Years (Avg TPY)	3.85	6.50	10.35
	Years (FY TPY)	4.40	7.42	11.82

### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

### Note:

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Lenoir County Landfill

**54-03**

2949 Hodges Farm Road

LaGrange, NC 28551

phone: (252) 566-4194

http://co.lenoir.nc.us

County
Lenoir

DATES	Opened	Surveyed	Years Open
	1/1/1998	4/20/2009	11.3

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	13,580.56	286,627.00	25,367.22

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	491,556.00	2,731,528.00	3,223,084.00
Used	405,757.00	0.00	405,757.00
Remaining	85,799.00	2,731,528.00	2,817,327.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	286,627.00	405,757.00	0.71

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	60,608.47	1,929,553.10	1,990,161.56
Years (Avg TPY)	2.39	76.06	78.45
Years (FY TPY)	4.46	142.08	146.54

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Lincoln County Solid Waste

**55-03**

5291 Crouse Road  
Crouse, NC 28033  
phone: (704) 732-9030

County
Lincoln

DATES	Opened	Surveyed	Years Open
	7/1/1993	4/6/2009	15.8

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	11,265.00	134,115.00	8,507.38

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	493,177.00	0.00	493,177.00
Used	247,567.00	0.00	247,567.00
Remaining	245,610.00	0.00	245,610.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	134,115.00	247,567.00	0.54

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	133,054.83	0.00	133,054.83
Years (Avg TPY)	15.64	0.00	15.64
Years (FY TPY)	11.81	0.00	11.81

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### BFI-Lake Norman Landfill

**55-04**

7090 Quarry Lane  
Stanley, NC 28164

phone: (704) 262-6002  
<http://www.republicservices.com>

County
Lincoln

DATES	Opened	Surveyed	Years Open
	3/25/1999	2/3/2009	9.9

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	31,302.87	918,966.35	93,159.16

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,840,960.00	1,215,060.00	3,056,020.00
Used	1,515,640.00	0.00	1,515,640.00
Remaining	325,320.00	1,215,060.00	1,540,380.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	918,966.35	1,515,640.00	0.61

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	197,248.77	736,717.99	933,966.76
Years (Avg TPY)	2.12	7.91	10.03
Years (FY TPY)	6.30	23.54	29.84

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Madison County Solid Waste

**58-03**

271 Craig Rudisill Road  
Marshall, NC 28753  
phone: (828) 649-2311  
<http://madisoncountync.org>

County
Madison

DATES	Opened	Surveyed	Years Open
	11/1/2006	6/23/2009	2.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	4,033.76	11,095.00	4,199.43

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	131,600.00	0.00	131,600.00
Used	25,700.00	0.00	25,700.00
Remaining	105,900.00	0.00	105,900.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	11,095.00	25,700.00	0.43

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	45,718.31	0.00	45,718.31
Years (Avg TPY)	10.89	0.00	10.89
Years (FY TPY)	11.33	0.00	11.33

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010





# Construction and Demolition Landfill Capacity FY08-09

## Martin County C&D Landfill

**59-01**

1445 Landfill Road

Williamston, NC 27892

phone: (252) 792-1240

http://www.martincountyncgov.com

County
Martin

Information not available by time of report. Date of opening based on available disposal records.

DATES	Opened	Surveyed	Years Open
	1/1/1997		

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	5,449.24	84,676.00	

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted			
Used		0.00	
Remaining			

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	84,676.00		

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste			
Years (Avg TPY)			
Years (FY TPY)			

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### North Mecklenburg C&D Landfill

**60-13**

15300 Holbrooks Road  
Huntersville, NC 28078

phone: (704) 895-0329

<http://www.griffinbrothers.com/reclamation/>

County
Mecklenburg

DATES	Opened	Surveyed	Years Open
	3/12/2006	3/18/2009	3.0

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	138,358.61	381,568.61	126,468.18

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	987,733.00	0.00	987,733.00
Used	486,733.00	0.00	486,733.00
Remaining	501,000.00	0.00	501,000.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	381,568.61	486,733.00	0.78

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	392,753.06	0.00	392,753.06
Years (Avg TPY)	3.11	0.00	3.11
Years (FY TPY)	2.84	0.00	2.84

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Moore County Construction & Demolition Landfill

**63-01**

456 Turning Leaf Way (Landfill Road)

Aberdeen, NC 28315

phone: (910) 947-6315

http://www.moorecountync.gov

County
Moore

DATES	Opened	Surveyed	Years Open
	10/1/1993	7/25/2009	15.8

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	23,407.00	395,527.00	25,011.47

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,050,443.00	400,990.00	1,451,433.00
Used	843,493.00	0.00	843,493.00
Remaining	206,950.00	400,990.00	607,940.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	395,527.00	843,493.00	0.47

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	97,042.08	188,030.45	285,072.53
Years (Avg TPY)	3.88	7.52	11.40
Years (FY TPY)	4.15	8.03	12.18

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Nash County C&D Landfill

**64-03**

3057 Duke Road  
Nashville, NC 27856  
phone: (252) 459-9899

County
Nash

DATES	Opened	Surveyed	Years Open
	1/3/2000	3/1/2009	9.2

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	11,028.00	187,000.00	20,419.06

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	559,400.00	310,600.00	870,000.00
Used	490,000.00	0.00	490,000.00
Remaining	69,400.00	310,600.00	380,000.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	187,000.00	490,000.00	0.38

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	26,485.31	118,535.10	145,020.41
Years (Avg TPY)	1.30	5.81	7.10
Years (FY TPY)	2.40	10.75	13.15

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## Orange County Landfill

**68-04**

1514 Eubanks Road  
Chapel Hill, NC 27516  
phone: (919) 968-2788

County
Orange

DATES	Opened	Surveyed	Years Open
	6/1/2006	4/1/2009	2.8

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	10,991.40	42,191.00	14,889.14

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	253,380.00	658,853.00	912,233.00
Used	91,553.00	0.00	91,553.00
Remaining	161,827.00	658,853.00	820,680.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	42,191.00	91,553.00	0.46

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	74,575.85	303,623.77	378,199.62
Years (Avg TPY)	5.01	20.39	25.40
Years (FY TPY)	6.78	27.62	34.41

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Pasquotank County Landfill

**70-02**

983 Simpson Ditch Road  
Elizabeth City, NC 27909  
phone: (252) 335-4105

County
Pasquotank

DATES	Opened	Surveyed	Years Open
	4/1/1996	6/1/2009	13.2

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	13,268.20	550,397.20	41,803.41

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	715,758.00	606,417.00	1,322,175.00
Used	606,417.00	0.00	606,417.00
Remaining	109,341.00	606,417.00	715,758.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	550,397.20	606,417.00	0.91

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	99,240.26	550,397.20	649,637.46
Years (Avg TPY)	2.37	13.17	15.54
Years (FY TPY)	7.48	41.48	48.96

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### C&D Landfill, Inc.

802 Recycling Lane  
Greenville, NC 27834  
phone: (252) 752-8274

**74-07**

County
Pitt

DATES	Opened	Surveyed	Years Open
	6/1/2001	5/1/2009	7.9

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	41,955.30	381,992.30	48,261.05

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	842,000.00	1,046,156.00	1,888,156.00
Used	664,275.00	0.00	664,275.00
Remaining	177,725.00	1,046,156.00	1,223,881.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	381,992.30	664,275.00	0.58

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	102,201.02	601,593.52	703,794.54
Years (Avg TPY)	2.12	12.47	14.58
Years (FY TPY)	2.44	14.34	16.77

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Gold Hill Road Landscape Supply & LCID

**76-06**

385 Gold Hill Road  
Asheboro, NC 27203  
phone: (336) 629-7175  
<http://GoldhillRd.com>

County
Randolph

DATES	Opened	Surveyed	Years Open
	10/19/2001	6/2/2009	7.6

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	10,807.03	105,133.27	13,798.03

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	450,000.39	159,838.00	609,838.39
Used	159,838.39	0.00	159,838.39
Remaining	290,162.00	159,838.00	450,000.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	105,133.27	159,838.39	0.66

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	190,853.27	105,133.01	295,986.29
Years (Avg TPY)	13.83	7.62	21.45
Years (FY TPY)	17.66	9.73	27.39

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010





## Construction and Demolition Landfill Capacity FY08-09

### Robeson County

**78-03**

246 Landfill Road  
Saint Pauls, NC 28384  
phone: (910) 865-3348

County
Robeson

DATES	Opened	Surveyed	Years Open
	8/1/1997	7/20/2009	12.0

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	19,232.72	199,948.00	16,708.08

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	441,708.00	44,188.00	485,896.00
Used	407,014.00	0.00	407,014.00
Remaining	34,694.00	44,188.00	78,882.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	199,948.00	407,014.00	0.49

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	17,043.63	21,707.61	38,751.24
Years (Avg TPY)	1.02	1.30	2.32
Years (FY TPY)	0.89	1.13	2.01

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Rutherford County Solid Waste

**81-03**

656 Laurel Hill Drive  
Rutherfordton, NC 28139  
phone: (828) 287-6002

County
Rutherford

DATES	Opened	Surveyed	Years Open
	1/1/2001	4/23/2009	8.3

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	12,953.77	157,629.04	18,976.27

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	561,787.00	0.00	561,787.00
Used	315,000.00	0.00	315,000.00
Remaining	246,787.00	0.00	246,787.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	157,629.04	315,000.00	0.50

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	123,494.60	0.00	123,494.60
Years (Avg TPY)	6.51	0.00	6.51
Years (FY TPY)	9.53	0.00	9.53

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.  
 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### WI-Sampson County C&D Unit

**82-02**

7434 Roseboro Highway

Roseboro, NC 28382

phone: (910) 990-0141

County
Sampson

DATES	Opened	Surveyed	Years Open
	9/16/1996	2/7/2009	12.4

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	738.87	247,493.00	19,968.37

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,168,717.00	1,871,059.00	3,039,776.00
Used	543,032.00	0.00	543,032.00
Remaining	625,685.00	1,871,059.00	2,496,744.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	247,493.00	543,032.00	0.46

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	285,163.04	852,756.38	1,137,919.43
Years (Avg TPY)	14.28	42.71	56.99
Years (FY TPY)	385.94	1,154.14	1,540.08

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Scotland County Solid Waste

**83-01**

10681 Patterson Road

Maxton, NC

phone: (910) 844-9206

County
Scotland

DATES	Opened	Surveyed	Years Open
	1/1/1998	3/24/2005	7.2

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	0.00	182,457.00	25,252.91

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	682,732.00	463,386.00	1,146,118.00
Used	401,405.00	0.00	401,405.00
Remaining	281,327.00	463,386.00	744,713.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	182,457.00	401,405.00	0.45

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	127,876.04	210,630.21	338,506.25
Years (Avg TPY)	5.06	8.34	13.40
Years (FY TPY)	#Error	#Error	#Error

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## City of Albemarle Landfill

**84-01**

40592 B Stony Gap Road  
Albemarle, NC 28001  
phone: (704) 984-9667

County
Stanly

DATES	Opened	Surveyed	Years Open
	5/31/1998	4/14/2009	10.9

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	16,363.26	293,431.00	26,989.59

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	892,975.00	0.00	892,975.00
Used	577,382.00	0.00	577,382.00
Remaining	315,593.00	0.00	315,593.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	293,431.00	577,382.00	0.51

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	160,387.35	0.00	160,387.35
Years (Avg TPY)	5.94	0.00	5.94
Years (FY TPY)	9.80	0.00	9.80

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Union County C&D Landfill

**90-01**

2125 Austin Chaney Road

Wingate, NC 28174

phone: (704) 233-5334

http://www.co.union.nc.us

County
Union

DATES	Opened	Surveyed	Years Open
	1/1/1998	6/29/2009	11.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	15,770.92	267,485.00	23,278.27

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,126,194.00	0.00	1,126,194.00
Used	380,796.00	0.00	380,796.00
Remaining	745,398.00	0.00	745,398.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	267,485.00	380,796.00	0.70

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	523,594.74	0.00	523,594.74
Years (Avg TPY)	22.49	0.00	22.49
Years (FY TPY)	33.20	0.00	33.20

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Shotwell Landfill, Inc.

**92-26**

4724 Smithfield Road

Wendell, NC 27591

phone: (919) 790-5470

County
Wake

DATES	Opened	Surveyed	Years Open
	10/13/1997	3/18/2009	11.4

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	87,512.71	352,683.00	30,861.87

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	813,000.00	212,000.00	1,025,000.00
Used	658,732.00	0.00	658,732.00
Remaining	154,268.00	212,000.00	366,268.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	352,683.00	658,732.00	0.54

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	82,594.59	113,504.12	196,098.71
Years (Avg TPY)	2.68	3.68	6.35
Years (FY TPY)	0.94	1.30	2.24

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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Data provided by Facility.

Analysis by Solid Waste Section.

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## Construction and Demolition Landfill Capacity FY08-09

### Red Rock Disposal LLC

**92-28**

7130 New Landfill Drive  
Holly Springs, NC 27540  
phone: (919) 557-9583

County
Wake

DATES	Opened	Surveyed	Years Open
	11/1/2001	2/7/2009	7.3

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	98,961.77	912,788.00	125,572.81

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	3,758,814.00	15,233,985.00	18,992,799.00
Used	2,010,000.00	0.00	2,010,000.00
Remaining	1,748,814.00	15,233,985.00	16,982,799.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	912,788.00	2,010,000.00	0.45

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	794,177.33	6,918,108.81	7,712,286.14
Years (Avg TPY)	6.32	55.09	61.42
Years (FY TPY)	8.03	69.91	77.93

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010





## Construction and Demolition Landfill Capacity FY08-09

### Highway 55 C&D Landfill, LLC

**92-30**

5940 Old Smithfield Road

Apex, NC 27539

phone: (919) 367-2895

County
Wake

DATES	Opened	Surveyed	Years Open
	10/1/2002	3/24/2009	6.5

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	66,174.02	582,516.00	89,925.60

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	858,000.00	2,000,000.00	2,858,000.00
Used	776,775.00	0.00	776,775.00
Remaining	81,225.00	2,000,000.00	2,081,225.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	582,516.00	776,775.00	0.75

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	60,911.93	1,499,832.00	1,560,743.92
Years (Avg TPY)	0.68	16.68	17.36
Years (FY TPY)	0.92	22.66	23.59

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Material Recovery/Brownfield Road C&D Landfill

**92-31**

2600 Brownfield Road

Raleigh, NC 27610

phone: (919) 866-1211

County
Wake

DATES	Opened	Surveyed	Years Open
	10/1/2003	2/13/2009	5.4

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	124,985.86	1,093,504.00	203,568.98

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	1,429,000.00	7,637,520.00	9,066,520.00
Used	1,822,500.00	0.00	1,822,500.00
Remaining	-393,500.00	7,637,520.00	7,244,020.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	1,093,504.00	1,822,500.00	0.60

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	-236,100.86	4,582,528.76	4,346,427.90
Years (Avg TPY)	-1.16	22.51	21.35
Years (FY TPY)	-1.89	36.66	34.78

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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Data provided by Facility.

Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Washington County C&D Landfill

**94-04**

718 Landfill Road  
Roper, NC 27920  
phone: (252) 793-5615

County
Washington

DATES	Opened	Surveyed	Years Open
	1/1/1996	6/11/2008	12.4

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	1,333.70	19,782.00	1,589.74

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	52,192.00	0.00	52,192.00
Used	52,192.00	0.00	52,192.00
Remaining	0.00	0.00	0.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	19,782.00	52,192.00	0.38

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	0.00	0.00	0.00
Years (Avg TPY)	0.00	0.00	0.00
Years (FY TPY)	0.00	0.00	0.00

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

Printed:1/28/2010



# Construction and Demolition Landfill Capacity FY08-09

## Wayne County CDLF

96-01

460 B South Landfill Road

Dudley, NC 28333

phone: (919) 689-2994

<http://www.waynegov.com/165810316164725693/site/default.asp>

County
Wayne

DATES	Opened	Surveyed	Years Open
	1/1/1998	4/22/2009	11.3

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	22,501.45	381,646.14	33,760.29

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total	
	Permitted	841,088.00	0.00	841,088.00
	Used	610,524.00	0.00	610,524.00
	Remaining	230,564.00	0.00	230,564.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	381,646.14	610,524.00	0.63

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total	
	Tons of Waste	144,128.42	0.00	144,128.42
	Years (Avg TPY)	4.27	0.00	4.27
	Years (FY TPY)	6.41	0.00	6.41

### Calculated Values:

Average Tons = (Total Tons Received) / (Years Open)

Unconstructed Airspace = (Facility Total) - (Constructed)

Remaining Airspace

Constructed = (Constructed) - (Used)

Unconstructed = (Unconstructed) - (Used)

Facility Total = (Facility Total) - (Used)

Compaction Density = (Total Tons Received) / (Total Airspace Used)

Remaining Capacity

Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)

Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)

Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)

Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)

Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)

Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)

Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)

Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)

Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

### Note:

These figures are based on current tonnage and compaction density and do not account for future growth or changes in operations.

Data provided by Facility.  
Analysis by Solid Waste Section.

Printed:1/28/2010



## Construction and Demolition Landfill Capacity FY08-09

### Wilson County Solid Waste

**98-09**

4537 Landill Road  
Wilson, NC 27893  
phone: (252) 399-2823  
http://www.wilson-co.com

County
Wilson

DATES	Opened	Surveyed	Years Open
	10/4/2004	6/30/2009	4.7

DISPOSAL (tons)	Fiscal Year 08-09	Total	Average per Year
	12,418.80	83,073.00	17,538.97

AIRSPACE (cubic yards)	Constructed Cells	Unconstructed Cells	Facility Total
Permitted	433,560.00	0.00	433,560.00
Used	168,077.00	0.00	168,077.00
Remaining	265,483.00	0.00	265,483.00

COMPACTION DENSITY (tons/cy)	Total Tons	Airspace Used	Compaction Density
	83,073.00	168,077.00	0.49

REMAINING CAPACITY	Constructed Cells	Unconstructed Cells	Facility Total
Tons of Waste	131,216.46	0.00	131,216.46
Years (Avg TPY)	7.48	0.00	7.48
Years (FY TPY)	10.57	0.00	10.57

**Calculated Values:**

Average Tons = (Total Tons Received) / (Years Open)  
 Unconstructed Airspace = (Facility Total) - (Constructed)  
 Remaining Airspace  
     Constructed = (Constructed) - (Used)  
     Unconstructed = (Unconstructed) - (Used)  
     Facility Total = (Facility Total) - (Used)  
 Compaction Density = (Total Tons Received) / (Total Airspace Used)  
 Remaining Capacity  
     Tons of Waste (Constructed) = (Remaining Constructed Airspace) x (Compaction Density)  
     Tons of Waste (Unconstructed) = (Remaining Unconstructed Airspace) x (Compaction Density)  
     Tons of Waste (Facility Total) = (Remaining Facility Total Airspace) x (Compaction Density)  
     Years Avg TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Average Tons)  
     Years Avg TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Average Tons)  
     Years Avg TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Average Tons)  
     Years FY TPY (Constructed) = (Remaining Capacity-Tons of Waste (Constructed)) / (Fiscal Year Tons)  
     Years FY TPY (Unconstructed) = (Remaining Capacity-Tons of Waste (Unconstructed)) / (Fiscal Year Tons)  
     Years FY TPY (Facility Total) = (Remaining Capacity-Tons of Waste (Facility Total)) / (Fiscal Year Tons)

**Note:**

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 Data provided by Facility.  
 Analysis by Solid Waste Section.

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