

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Albermarle, City of

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<b>County:</b>	Stanly		
<b>Date</b>	<b>Opened</b> 5/20/1999	<b>Surveyed</b> 6/22/2004	<b>Months Open</b> 61.1
<b>Total Tons Disposed</b>	<b>Lifetime</b> 206,800.0	<b>2003-2004</b> 43,505.0	
<b>Tons Disposed per Month</b>	3,386.5	3,625.4	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 335,588.0	<b>Permitted</b> 683,555.0	<b>Total</b> 4,970,844.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		347,967.0	4,635,256.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.62		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 214,428.3	<b>Total</b> 2,856,392.2
<b>Remaining Capacity in Years (Lifetime TPM)</b>		5.3	70.3
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		4.9	65.7

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### Calculations

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

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## Ashe County Landfill

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<b>County:</b>	Ashe		
<b>Date</b>	<b>Opened</b> 11/1/1993	<b>Surveyed</b> 6/23/2004	<b>Months Open</b> 127.7
<b>Total Tons Disposed</b>	<b>Lifetime</b> 166,985.6	<b>2003-2004</b> 22,342.0	
<b>Tons Disposed per Month</b>	1,307.4	1,861.8	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 353,184.0	<b>Permitted</b> 427,000.0	<b>Total</b> 2,340,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		73,816.0	1,986,816.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.47		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 34,900.2	<b>Total</b> 939,367.5
<b>Remaining Capacity in Years (Lifetime TPM)</b>		2.2	59.9
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		1.6	42.0

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### Calculations

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

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## Austin Quarter SWM Facility

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County: Alamance

	<b>Opened</b>	<b>Surveyed</b>	<b>Months Open</b>
<b>Date</b>	3/18/1994	4/4/2004	120.6

	<b>Lifetime</b>	<b>2003-2004</b>
<b>Total Tons Disposed</b>	809,908.0	95,056.0
<b>Tons Disposed per Month</b>	6,717.9	7,921.3

	<b>Used</b>	<b>Permitted</b>	<b>Total</b>
<b>Volume Airspace (yd<sup>3</sup>)</b>	1,256,478.0	1,492,281.0	10,000,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		235,803.0	8,743,522.0

**Utilization Factor (tons/yd<sup>3</sup>):** 0.64

	<b>Permitted</b>	<b>Total</b>
<b>Remaining Capacity for Tons of Waste</b>	151,995.3	5,635,951.0
<b>Remaining Capacity in Years (Lifetime TPM)</b>	1.9	69.9
<b>Remaining Capacity in Years (2003-2004 TPM)</b>	1.6	59.3

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### Calculations

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

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### **BFI - Charlotte Motor Speedway Landfill**

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<b>County:</b>	Cabarrus		
<b>Date</b>	<b>Opened</b> 3/6/1992	<b>Surveyed</b> 4/21/2004	<b>Months Open</b> 145.5
<b>Total Tons Disposed</b>	<b>Lifetime</b> 10,334,613.0	<b>2003-2004</b> 1,080,396.0	
<b>Tons Disposed per Month</b>	71,031.5	90,033.0	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 18,960,065.0	<b>Permitted</b> 19,500,000.0	<b>Total</b> 19,500,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		539,935.0	539,935.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.55		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 294,303.8	<b>Total</b> 294,303.8
<b>Remaining Capacity in Years (Lifetime TPM)</b>		0.3	0.3
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		0.3	0.3

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#### ***Calculations***

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Buncombe County MSW Landfill

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<b>County:</b>	Buncombe		
<b>Date</b>	<b>Opened</b> 9/29/1997	<b>Surveyed</b> 6/30/2004	<b>Months Open</b> 81.0
<b>Total Tons Disposed</b>	<b>Lifetime</b> 936,719.0	<b>2003-2004</b> 170,170.0	
<b>Tons Disposed per Month</b>	11,559.7	14,180.8	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 1,871,000.0	<b>Permitted</b> 1,900,000.0	<b>Total</b> 6,803,056.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		29,000.0	4,932,056.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.50		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 14,518.9	<b>Total</b> 2,469,241.3
<b>Remaining Capacity in Years (Lifetime TPM)</b>		0.1	17.8
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		0.1	14.5

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Camp Lejeune Marine Corps Base

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<b>County:</b>	Onslow		
<b>Date</b>	<b>Opened</b> 1/1/1998	<b>Surveyed</b> 11/29/2003	<b>Months Open</b> 70.9
<b>Total Tons Disposed</b>	<b>Lifetime</b> 260,132.3	<b>2003-2004</b> 48,972.0	
<b>Tons Disposed per Month</b>	3,667.9	4,081.0	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 648,670.0	<b>Permitted</b> 1,331,000.0	<b>Total</b> 4,089,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		682,330.0	3,440,330.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.40		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 273,630.8	<b>Total</b> 1,379,655.1
<b>Remaining Capacity in Years (Lifetime TPM)</b>		6.2	31.3
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		5.6	28.2

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
 Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
 2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
 Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
 Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
 Remaining Capacity in Months =  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
 Remaining Capacity in Years =  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
 Permitted = Landfill Volume Constructed and Permitted to Operate  
 Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

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### Catawba County Landfill

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<b>County:</b>	Catawba		
<b>Date</b>	<b>Opened</b> 1/1/1998	<b>Surveyed</b> 4/4/2004	<b>Months Open</b> 75.1
<b>Total Tons Disposed</b>	<b>Lifetime</b> 1,048,461.9	<b>2003-2004</b> 164,590.0	
<b>Tons Disposed per Month</b>	13,961.1	13,715.8	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 2,029,969.0	<b>Permitted</b> 4,515,000.0	<b>Total</b> 4,515,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		2,485,031.0	2,485,031.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.52		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 1,283,497.6	<b>Total</b> 1,283,497.6
<b>Remaining Capacity in Years (Lifetime TPM)</b>		7.7	7.7
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		7.8	7.8

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Chambers Development MSWLF

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<b>County:</b>	Anson		
<b>Date</b>	<b>Opened</b> 12/12/2000	<b>Surveyed</b> 4/28/2004	<b>Months Open</b> 40.5
<b>Total Tons Disposed</b>	<b>Lifetime</b> 750,898.0	<b>2003-2004</b> 234,976.0	
<b>Tons Disposed per Month</b>	18,528.7	19,581.3	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 1,172,918.0	<b>Permitted</b> 3,300,000.0	<b>Total</b> 19,310,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		2,127,082.0	18,137,082.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.64		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 1,361,750.5	<b>Total</b> 11,611,296.4
<b>Remaining Capacity in Years (Lifetime TPM)</b>		6.1	52.2
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		5.8	49.4

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design



# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Cherokee County MSW Facility

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<b>County:</b>	Cherokee		
<b>Date</b>	<b>Opened</b> 1/9/1998	<b>Surveyed</b> 6/11/2004	<b>Months Open</b> 77.1
<b>Total Tons Disposed</b>	<b>Lifetime</b> 121,977.0	<b>2003-2004</b> 19,124.0	
<b>Tons Disposed per Month</b>	1,582.8	1,593.7	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 242,661.0	<b>Permitted</b> 465,479.0	<b>Total</b> 1,127,940.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		222,818.0	885,279.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.50		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 112,002.6	<b>Total</b> 444,998.1
<b>Remaining Capacity in Years (Lifetime TPM)</b>		5.9	23.4
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		5.9	23.3

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### Calculations

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Cleveland County Landfill

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<b>County:</b>	Cleveland		
<b>Date</b>	<b>Opened</b> 7/27/1998	<b>Surveyed</b> 6/11/2004	<b>Months Open</b> 70.5
<b>Total Tons Disposed</b>	<b>Lifetime</b> 442,641.0	<b>2003-2004</b> 94,600.0	
<b>Tons Disposed per Month</b>	6,279.2	7,883.3	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 898,669.0	<b>Permitted</b> 1,613,364.0	<b>Total</b> 1,613,364.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		714,695.0	714,695.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.49		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 352,024.3	<b>Total</b> 352,024.3
<b>Remaining Capacity in Years (Lifetime TPM)</b>		4.7	4.7
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		3.7	3.7

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## CRSWMA Landfill

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<b>County:</b>	Craven		
<b>Date</b>	<b>Opened</b> 10/9/1993	<b>Surveyed</b> 6/30/2004	<b>Months Open</b> 128.7
<b>Total Tons Disposed</b>	<b>Lifetime</b> 1,603,925.0	<b>2003-2004</b> 204,988.0	
<b>Tons Disposed per Month</b>	12,463.4	17,082.3	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 2,055,286.0	<b>Permitted</b> 2,614,777.0	<b>Total</b> 15,500,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		559,491.0	13,444,714.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.78		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 436,621.3	<b>Total</b> 10,492,122.7
<b>Remaining Capacity in Years (Lifetime TPM)</b>		2.9	70.2
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		2.1	51.2

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Cumberland County Landfill

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<b>County:</b>	Cumberland		
<b>Date</b>	<b>Opened</b> 12/17/1997	<b>Surveyed</b> 5/14/2004	<b>Months Open</b> 76.9
<b>Total Tons Disposed</b>	<b>Lifetime</b> 987,465.0	<b>2003-2004</b> 123,416.0	
<b>Tons Disposed per Month</b>	12,837.4	10,284.7	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 1,809,967.0	<b>Permitted</b> 2,350,400.0	<b>Total</b> 5,782,175.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		540,433.0	3,972,208.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.55		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 294,844.4	<b>Total</b> 2,167,120.4
<b>Remaining Capacity in Years (Lifetime TPM)</b>		1.9	14.1
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		2.4	17.6

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Davidson County MSW Lined Landfill

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<b>County:</b>	Davidson		
<b>Date</b>	<b>Opened</b> 10/1/1994	<b>Surveyed</b> 6/18/2004	<b>Months Open</b> 116.6
<b>Total Tons Disposed</b>	<b>Lifetime</b> 915,716.0	<b>2003-2004</b> 96,265.0	
<b>Tons Disposed per Month</b>	7,856.2	8,022.1	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 1,792,657.0	<b>Permitted</b> 2,425,000.0	<b>Total</b> 2,425,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		632,343.0	632,343.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.51		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 323,010.3	<b>Total</b> 323,010.3
<b>Remaining Capacity in Years (Lifetime TPM)</b>		3.4	3.4
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		3.4	3.4

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## East Carolina Regional Landfill

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<b>County:</b>	Bertie		
<b>Date</b>	<b>Opened</b> 8/6/1993	<b>Surveyed</b> 4/4/2004	<b>Months Open</b> 128.0
<b>Total Tons Disposed</b>	<b>Lifetime</b> 4,157,014.2	<b>2003-2004</b> 574,897.0	
<b>Tons Disposed per Month</b>	32,488.4	47,908.1	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 5,771,604.0	<b>Permitted</b> 6,400,000.0	<b>Total</b> 11,000,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		628,396.0	5,228,396.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.72		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 452,604.0	<b>Total</b> 3,765,767.1
<b>Remaining Capacity in Years (Lifetime TPM)</b>		1.2	9.7
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		0.8	6.6

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
Remaining Capacity in Months =  
    Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
    Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
Remaining Capacity in Years =  
    Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
    Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
Permitted = Landfill Volume Constructed and Permitted to Operate  
Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Foothills Environmental Landfill

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<b>County:</b>	Caldwell		
<b>Date</b>	<b>Opened</b> 8/26/1998	<b>Surveyed</b> 4/5/2004	<b>Months Open</b> 67.3
<b>Total Tons Disposed</b>	<b>Lifetime</b> 622,032.2	<b>2003-2004</b> 187,696.0	
<b>Tons Disposed per Month</b>	9,238.7	15,641.3	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 1,754,793.0	<b>Permitted</b> 2,800,000.0	<b>Total</b> 9,680,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		1,045,207.0	7,925,207.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.35		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 370,500.9	<b>Total</b> 2,809,296.6
<b>Remaining Capacity in Years (Lifetime TPM)</b>		3.3	25.3
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		2.0	15.0

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Gaston County Landfill

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<b>County:</b>	Gaston		
<b>Date</b>	<b>Opened</b> 7/1/1997	<b>Surveyed</b> 6/24/2004	<b>Months Open</b> 83.8
<b>Total Tons Disposed</b>	<b>Lifetime</b> 588,245.2	<b>2003-2004</b> 65,903.0	
<b>Tons Disposed per Month</b>	7,023.3	5,491.9	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 1,038,916.0	<b>Permitted</b> 1,428,000.0	<b>Total</b> 7,441,200.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		389,084.0	6,402,284.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.57		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 220,303.5	<b>Total</b> 3,625,040.9
<b>Remaining Capacity in Years (Lifetime TPM)</b>		2.6	43.0
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		3.3	55.0

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
 Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
 2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
 Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
 Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
 Remaining Capacity in Months =  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
 Remaining Capacity in Years =  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
 Permitted = Landfill Volume Constructed and Permitted to Operate  
 Total = Total Volume for the Landfill Site at Final Design



# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Greensboro, City of

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County: Guilford

	<b>Opened</b>	<b>Surveyed</b>	<b>Months Open</b>
<b>Date</b>	12/9/1997	7/14/2004	79.2

	<b>Lifetime</b>	<b>2003-2004</b>
<b>Total Tons Disposed</b>	1,688,112.3	237,057.0
<b>Tons Disposed per Month</b>	21,324.1	19,754.8

	<b>Used</b>	<b>Permitted</b>	<b>Total</b>
<b>Volume Airspace (yd<sup>3</sup>)</b>	2,722,707.9	5,113,682.0	5,113,682.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		2,390,974.1	2,390,974.1

**Utilization Factor (tons/yd<sup>3</sup>):** 0.62

	<b>Permitted</b>	<b>Total</b>
<b>Remaining Capacity for Tons of Waste</b>	1,482,433.3	1,482,433.3
<b>Remaining Capacity in Years (Lifetime TPM)</b>	5.8	5.8
<b>Remaining Capacity in Years (2003-2004 TPM)</b>	6.3	6.3

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Hanes Mill Road Landfill

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County: Forsyth

Date	Opened	Surveyed	Months Open
	4/7/1997	1/6/2004	81.0

	Lifetime	2003-2004
Total Tons Disposed	1,991,420.9	238,948.0
Tons Disposed per Month	24,589.4	19,912.3

	Used	Permitted	Total
Volume Airspace (yd <sup>3</sup> )	3,185,140.0	3,786,300.0	3,786,300.0
Remaining Airspace (yd <sup>3</sup> )		601,160.0	601,160.0

Utilization Factor (tons/yd<sup>3</sup>): 0.63

	Permitted	Total
Remaining Capacity for Tons of Waste	375,858.7	375,858.7
Remaining Capacity in Years (Lifetime TPM)	1.3	1.3
Remaining Capacity in Years (2003-2004 TPM)	1.6	1.6

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### Calculations

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Haywood County White Oak Landfill

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County: Haywood

Date	Opened	Surveyed	Months Open
	10/15/1993	6/11/2004	127.9

	Lifetime	2003-2004
Total Tons Disposed	476,470.0	42,580.0
Tons Disposed per Month	3,726.6	3,548.3

	Used	Permitted	Total
Volume Airspace (yd <sup>3</sup> )	971,675.0	1,819,337.0	8,335,231.0
Remaining Airspace (yd <sup>3</sup> )		847,662.0	7,363,556.0

Utilization Factor (tons/yd<sup>3</sup>): 0.49

	Permitted	Total
Remaining Capacity for Tons of Waste	415,659.0	3,610,789.1
Remaining Capacity in Years (Lifetime TPM)	9.3	80.8
Remaining Capacity in Years (2003-2004 TPM)	9.8	84.8

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### Calculations

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## High Point City of - Landfill

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<b>County:</b>	Guilford		
<b>Date</b>	<b>Opened</b> 10/1/1993	<b>Surveyed</b> 5/25/2004	<b>Months Open</b> 127.8
<b>Total Tons Disposed</b>	<b>Lifetime</b> 1,334,923.0	<b>2003-2004</b> 139,743.0	
<b>Tons Disposed per Month</b>	10,446.3	11,645.3	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 2,400,818.0	<b>Permitted</b> 3,442,281.0	<b>Total</b> 3,442,281.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		1,041,463.0	1,041,463.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.56		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 579,083.0	<b>Total</b> 579,083.0
<b>Remaining Capacity in Years (Lifetime TPM)</b>		4.6	4.6
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		4.1	4.1

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Iredell County Sanitary Landfill

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County: Iredell

	<b>Opened</b>	<b>Surveyed</b>	<b>Months Open</b>
<b>Date</b>	10/8/1993	6/24/2004	128.5
	<b>Lifetime</b>	<b>2003-2004</b>	
<b>Total Tons Disposed</b>	1,295,646.0	134,241.0	
<b>Tons Disposed per Month</b>	10,080.8	11,186.8	
	<b>Used</b>	<b>Permitted</b>	<b>Total</b>
<b>Volume Airspace (yd<sup>3</sup>)</b>	2,442,652.0	3,863,570.0	6,661,380.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		1,420,918.0	4,218,728.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.53		
		<b>Permitted</b>	<b>Total</b>
<b>Remaining Capacity for Tons of Waste</b>		753,691.8	2,237,722.8
<b>Remaining Capacity in Years (Lifetime TPM)</b>		6.2	18.5
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		5.6	16.7

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Johnston County Landfill

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<b>County:</b>	Johnston		
<b>Date</b>	<b>Opened</b> 10/1/1997	<b>Surveyed</b> 5/21/2004	<b>Months Open</b> 79.7
<b>Total Tons Disposed</b>	<b>Lifetime</b> 653,279.0	<b>2003-2004</b> 103,501.0	
<b>Tons Disposed per Month</b>	8,201.1	8,625.1	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 1,437,736.0	<b>Permitted</b> 1,933,819.0	<b>Total</b> 6,347,780.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		496,083.0	4,910,044.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.45		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 225,410.4	<b>Total</b> 2,231,027.6
<b>Remaining Capacity in Years (Lifetime TPM)</b>		2.3	22.7
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		2.2	21.6

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
 Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
 2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
 Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
 Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
 Remaining Capacity in Months =  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
 Remaining Capacity in Years =  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
 Permitted = Landfill Volume Constructed and Permitted to Operate  
 Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Lenoir County Landfill

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<b>County:</b>	Lenoir		
<b>Date</b>	<b>Opened</b> 7/1/2004	<b>Surveyed</b> N/A	<b>Months Open</b> N/A
<b>Total Tons Disposed</b>	<b>Lifetime</b> 0.0	<b>2003-2004</b> 0.0	
<b>Tons Disposed per Month</b>	0.0	0.0	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 0.0	<b>Permitted</b> 635,000.0	<b>Total</b> 3,000,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		635,000.0	3,000,000.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	N/A		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> N/A	<b>Total</b> N/A
<b>Remaining Capacity in Years (Lifetime TPM)</b>		N/A	N/A
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		N/A	N/A

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### Calculations

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Lincoln County Landfill

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<b>County:</b>	Lincoln		
<b>Date</b>	<b>Opened</b> 10/4/1993	<b>Surveyed</b> 4/18/2004	<b>Months Open</b> 126.5
<b>Total Tons Disposed</b>	<b>Lifetime</b> 438,665.0	<b>2003-2004</b> 45,558.0	
<b>Tons Disposed per Month</b>	3,468.8	3,796.5	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 1,070,829.0	<b>Permitted</b> 1,270,000.0	<b>Total</b> 4,889,800.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		199,171.0	3,818,971.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.41		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 81,590.4	<b>Total</b> 1,564,441.0
<b>Remaining Capacity in Years (Lifetime TPM)</b>		2.0	37.6
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		1.8	34.3

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design



# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Macon County Landfill

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<b>County:</b>	Macon		
<b>Date</b>	<b>Opened</b> 5/1/1992	<b>Surveyed</b> 7/19/2004	<b>Months Open</b> 146.6
<b>Total Tons Disposed</b>	<b>Lifetime</b> 335,422.2	<b>2003-2004</b> 27,889.0	
<b>Tons Disposed per Month</b>	2,288.1	2,324.1	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 653,989.0	<b>Permitted</b> 1,279,949.0	<b>Total</b> 2,723,049.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		625,960.0	2,069,060.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.51		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 321,046.5	<b>Total</b> 1,061,193.0
<b>Remaining Capacity in Years (Lifetime TPM)</b>		11.7	38.6
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		11.5	38.1

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Madison County Landfill

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<b>County:</b>	Madison		
<b>Date</b>	<b>Opened</b> 9/13/1993	<b>Surveyed</b> 7/22/2004	<b>Months Open</b> 130.3
<b>Total Tons Disposed</b>	<b>Lifetime</b> 63,950.6	<b>2003-2004</b> 100.0	
<b>Tons Disposed per Month</b>	490.8	8.3	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 127,901.0	<b>Permitted</b> 127,901.0	<b>Total</b> 127,901.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		0.0	0.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.50		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 0.0	<b>Total</b> 0.0
<b>Remaining Capacity in Years (Lifetime TPM)</b>		0.0	0.0
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		0.0	0.0

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Mecklenberg County Landfill

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County: Mecklenberg

	<b>Opened</b>	<b>Surveyed</b>	<b>Months Open</b>
<b>Date</b>	4/11/2000	3/25/2004	47.5
	<b>Lifetime</b>	<b>2003-2004</b>	
<b>Total Tons Disposed</b>	443,582.0	120,260.0	
<b>Tons Disposed per Month</b>	9,346.3	10,021.7	
	<b>Used</b>	<b>Permitted</b>	<b>Total</b>
<b>Volume Airspace (yd<sup>3</sup>)</b>	806,513.0	2,400,000.0	14,000,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		1,593,487.0	13,193,487.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.55		
		<b>Permitted</b>	<b>Total</b>
<b>Remaining Capacity for Tons of Waste</b>		876,417.6	7,256,415.4
<b>Remaining Capacity in Years (Lifetime TPM)</b>		7.8	64.7
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		7.3	60.3

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### New Hanover County Landfill

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County: New Hanover

	<b>Opened</b>	<b>Surveyed</b>	<b>Months Open</b>
<b>Date</b>	8/24/1981	5/23/2004	273.0
	<b>Lifetime</b>	<b>2003-2004</b>	
<b>Total Tons Disposed</b>	3,156,439.0	187,387.0	
<b>Tons Disposed per Month</b>	11,562.6	15,615.6	
	<b>Used</b>	<b>Permitted</b>	<b>Total</b>
<b>Volume Airspace (yd<sup>3</sup>)</b>	4,216,510.0	4,740,020.0	5,666,734.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		523,510.0	1,450,224.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.75		
		<b>Permitted</b>	<b>Total</b>
<b>Remaining Capacity for Tons of Waste</b>		391,894.6	1,085,623.8
<b>Remaining Capacity in Years (Lifetime TPM)</b>		2.8	7.8
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		2.1	5.8

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Onslow County Subtitle D Landfill

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<b>County:</b>	Onslow		
<b>Date</b>	<b>Opened</b>	<b>Surveyed</b>	<b>Months Open</b>
	1/1/1998	5/27/2004	76.9
<b>Total Tons Disposed</b>	<b>Lifetime</b>	<b>2003-2004</b>	
	693,534.0	120,106.0	
<b>Tons Disposed per Month</b>	9,023.9	10,008.8	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b>	<b>Permitted</b>	<b>Total</b>
	1,143,199.0	1,311,908.0	5,712,666.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		168,709.0	4,569,467.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.61		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b>	<b>Total</b>
		102,349.1	2,772,116.4
<b>Remaining Capacity in Years (Lifetime TPM)</b>		0.9	25.6
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		0.9	23.1

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Orange County Landfill

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<b>County:</b>	Orange		
<b>Date</b>	<b>Opened</b> 7/1/1995	<b>Surveyed</b> 6/10/2004	<b>Months Open</b> 107.3
<b>Total Tons Disposed</b>	<b>Lifetime</b> 524,643.0	<b>2003-2004</b> 57,143.0	
<b>Tons Disposed per Month</b>	4,889.7	4,761.9	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 945,003.0	<b>Permitted</b> 1,604,000.0	<b>Total</b> 1,604,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		658,997.0	658,997.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.56		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 365,859.3	<b>Total</b> 365,859.3
<b>Remaining Capacity in Years (Lifetime TPM)</b>		6.2	6.2
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		6.4	6.4

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
 Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
 2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
 Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
 Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
 Remaining Capacity in Months =  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
 Remaining Capacity in Years =  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
 Permitted = Landfill Volume Constructed and Permitted to Operate  
 Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Piedmont Sanitary Landfill

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County: Forsyth

	<b>Opened</b>	<b>Surveyed</b>	<b>Months Open</b>
<b>Date</b>	6/15/1990	6/30/2004	155.8

	<b>Lifetime</b>	<b>2003-2004</b>
<b>Total Tons Disposed</b>	4,652,724.0	195,382.9
<b>Tons Disposed per Month</b>	29,865.5	16,281.9

	<b>Used</b>	<b>Permitted</b>	<b>Total</b>
<b>Volume Airspace (yd<sup>3</sup>)</b>	6,875,800.0	6,875,800.0	6,875,800.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		0.0	0.0

**Utilization Factor (tons/yd<sup>3</sup>):** 0.68

	<b>Permitted</b>	<b>Total</b>
<b>Remaining Capacity for Tons of Waste</b>	0.0	0.0
<b>Remaining Capacity in Years (Lifetime TPM)</b>	0.0	0.0
<b>Remaining Capacity in Years (2003-2004 TPM)</b>	0.0	0.0

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Robeson County Landfill

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<b>County:</b>	Robeson		
<b>Date</b>	<b>Opened</b>	<b>Surveyed</b>	<b>Months Open</b>
	1/1/1998	5/21/2004	76.7
<b>Total Tons Disposed</b>	<b>Lifetime</b>	<b>2003-2004</b>	
<b>Tons Disposed per Month</b>	589,862.0	106,336.0	
	7,694.7	8,861.3	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b>	<b>Permitted</b>	<b>Total</b>
<b>Remaining Airspace (yd<sup>3</sup>)</b>	1,021,072.0	2,000,000.0	6,000,000.0
		978,928.0	4,978,928.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.58		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b>	<b>Total</b>
<b>Remaining Capacity in Years (Lifetime TPM)</b>		565,515.9	2,876,271.6
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		6.1	31.1
		5.3	27.0

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
Remaining Capacity in Months =  
    Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
    Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
Remaining Capacity in Years =  
    Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
    Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
Permitted = Landfill Volume Constructed and Permitted to Operate  
Total = Total Volume for the Landfill Site at Final Design



# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Rockingham County Landfill

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County: Rockingham

	<b>Opened</b>	<b>Surveyed</b>	<b>Months Open</b>
<b>Date</b>	5/5/1995	3/20/2004	106.5
	<b>Lifetime</b>	<b>2003-2004</b>	
<b>Total Tons Disposed</b>	639,506.0	77,027.0	
<b>Tons Disposed per Month</b>	6,005.1	6,418.9	
	<b>Used</b>	<b>Permitted</b>	<b>Total</b>
<b>Volume Airspace (yd<sup>3</sup>)</b>	1,310,287.0	1,865,268.0	5,870,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		554,981.0	4,559,713.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.49		
		<b>Permitted</b>	<b>Total</b>
<b>Remaining Capacity for Tons of Waste</b>		270,867.1	2,225,439.0
<b>Remaining Capacity in Years (Lifetime TPM)</b>		3.8	30.9
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		3.5	28.9

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Rowan County Landfill

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<b>County:</b>	Rowan		
<b>Date</b>	<b>Opened</b> 12/1/1989	<b>Surveyed</b> 6/18/2004	<b>Months Open</b> 174.6
<b>Total Tons Disposed</b>	<b>Lifetime</b> 1,050,904.3	<b>2003-2004</b> 79,166.0	
<b>Tons Disposed per Month</b>	6,020.3	6,597.2	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 1,975,188.0	<b>Permitted</b> 2,112,400.0	<b>Total</b> 15,071,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		137,212.0	13,095,812.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.53		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 73,004.0	<b>Total</b> 6,967,663.6
<b>Remaining Capacity in Years (Lifetime TPM)</b>		1.0	96.4
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		0.9	88.0

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
 Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
 2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
 Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
 Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
 Remaining Capacity in Months =  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
 Remaining Capacity in Years =  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
 Permitted = Landfill Volume Constructed and Permitted to Operate  
 Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Surry County MSWLF

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<b>County:</b>	Surry		
<b>Date</b>	<b>Opened</b> 12/1/1998	<b>Surveyed</b> 6/23/2004	<b>Months Open</b> 66.7
<b>Total Tons Disposed</b>	<b>Lifetime</b> 342,931.0	<b>2003-2004</b> 64,828.0	
<b>Tons Disposed per Month</b>	5,139.6	5,402.3	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 678,823.0	<b>Permitted</b> 1,301,000.0	<b>Total</b> 5,212,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		622,177.0	4,533,177.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.51		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 314,314.3	<b>Total</b> 2,290,091.7
<b>Remaining Capacity in Years (Lifetime TPM)</b>		5.1	37.1
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		4.8	35.3

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
 Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
 2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
 Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
 Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
 Remaining Capacity in Months =  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
 Remaining Capacity in Years =  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
 Permitted = Landfill Volume Constructed and Permitted to Operate  
 Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Transylvania County Landfill

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County: Transylvania

	<b>Opened</b>	<b>Surveyed</b>	<b>Months Open</b>
<b>Date</b>	6/13/1990	3/23/2004	165.3
	<b>Lifetime</b>	<b>2003-2004</b>	
<b>Total Tons Disposed</b>	232,939.8	26,496.0	
<b>Tons Disposed per Month</b>	1,408.9	2,208.0	
	<b>Used</b>	<b>Permitted</b>	<b>Total</b>
<b>Volume Airspace (yd<sup>3</sup>)</b>	343,359.0	522,000.0	522,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		178,641.0	178,641.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.68		
		<b>Permitted</b>	<b>Total</b>
<b>Remaining Capacity for Tons of Waste</b>		121,192.7	121,192.7
<b>Remaining Capacity in Years (Lifetime TPM)</b>		7.2	7.2
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		4.6	4.6

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### Calculations

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Upper Piedmont Regional Landfill

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<b>County:</b>	Person		
<b>Date</b>	<b>Opened</b> 7/30/1997	<b>Surveyed</b> 4/5/2004	<b>Months Open</b> 80.2
<b>Total Tons Disposed</b>	<b>Lifetime</b> 1,455,282.0	<b>2003-2004</b> 219,367.0	
<b>Tons Disposed per Month</b>	18,145.7	18,280.6	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 2,388,246.0	<b>Permitted</b> 4,600,000.0	<b>Total</b> 8,500,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		2,211,754.0	6,111,754.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.61		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 1,347,736.3	<b>Total</b> 3,724,208.3
<b>Remaining Capacity in Years (Lifetime TPM)</b>		6.2	17.1
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		6.1	17.0

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
 Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
 2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
 Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
 Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
 Remaining Capacity in Months =  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
 Remaining Capacity in Years =  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
 Permitted = Landfill Volume Constructed and Permitted to Operate  
 Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Uwharrie Environmental Landfill

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County: Montgomery

Date	Opened	Surveyed	Months Open
	12/12/1995	4/14/2004	100.1
	<b>Lifetime</b>	<b>2003-2004</b>	
<b>Total Tons Disposed</b>	4,049,154.8	692,149.0	
<b>Tons Disposed per Month</b>	40,464.9	57,679.1	
	<b>Used</b>	<b>Permitted</b>	<b>Total</b>
<b>Volume Airspace (yd<sup>3</sup>)</b>	6,459,527.0	7,889,000.0	14,402,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		1,429,473.0	7,942,473.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.63		
		<b>Permitted</b>	<b>Total</b>
<b>Remaining Capacity for Tons of Waste</b>		896,065.2	4,978,739.5
<b>Remaining Capacity in Years (Lifetime TPM)</b>		1.8	10.3
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		1.3	7.2

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Wake County Landfill - North

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<b>County:</b>	Wake		
<b>Date</b>	<b>Opened</b> 7/1/1998	<b>Surveyed</b> 6/30/2004	<b>Months Open</b> 72.0
<b>Total Tons Disposed</b>	<b>Lifetime</b> 3,263,793.0	<b>2003-2004</b> 367,681.0	
<b>Tons Disposed per Month</b>	45,359.5	30,640.1	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 5,333,528.0	<b>Permitted</b> 7,900,000.0	<b>Total</b> 7,900,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		2,566,472.0	2,566,472.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.61		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 1,570,523.9	<b>Total</b> 1,570,523.9
<b>Remaining Capacity in Years (Lifetime TPM)</b>		2.9	2.9
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		4.3	4.3

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Wayne County Landfill

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<b>County:</b>	Wayne		
<b>Date</b>	<b>Opened</b> 1/26/1998	<b>Surveyed</b> 1/15/2004	<b>Months Open</b> 71.7
<b>Total Tons Disposed</b>	<b>Lifetime</b> 542,687.1	<b>2003-2004</b> 94,800.0	
<b>Tons Disposed per Month</b>	7,573.3	7,900.0	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 843,487.0	<b>Permitted</b> 2,082,000.0	<b>Total</b> 5,000,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		1,238,513.0	4,156,513.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.64		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 796,841.0	<b>Total</b> 2,674,239.2
<b>Remaining Capacity in Years (Lifetime TPM)</b>		8.8	29.4
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		8.4	28.2

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
 Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
 2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
 Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
 Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
 Remaining Capacity in Months =  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
 Remaining Capacity in Years =  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
 Permitted = Landfill Volume Constructed and Permitted to Operate  
 Total = Total Volume for the Landfill Site at Final Design



# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Wilkes County MSWLF

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<b>County:</b>	Wilkes		
<b>Date</b>	<b>Opened</b> 10/7/1993	<b>Surveyed</b> 1/13/2004	<b>Months Open</b> 123.2
<b>Total Tons Disposed</b>	<b>Lifetime</b> 534,782.6	<b>2003-2004</b> 61,686.0	
<b>Tons Disposed per Month</b>	4,340.9	5,140.5	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 1,142,825.0	<b>Permitted</b> 1,406,578.0	<b>Total</b> 3,473,509.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		263,753.0	2,330,684.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.47		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 123,422.7	<b>Total</b> 1,090,638.8
<b>Remaining Capacity in Years (Lifetime TPM)</b>		2.4	20.9
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		2.0	17.7

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
Remaining Capacity in Months =  
    Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
    Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
Remaining Capacity in Years =  
    Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
    Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
Permitted = Landfill Volume Constructed and Permitted to Operate  
Total = Total Volume for the Landfill Site at Final Design

# Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

## Wi-Sampson County Disposal, Inc.

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<b>County:</b>	Sampson		
<b>Date</b>	<b>Opened</b> 9/6/2000	<b>Surveyed</b> 2/20/2004	<b>Months Open</b> 41.5
<b>Total Tons Disposed</b>	<b>Lifetime</b> 2,679,383.0	<b>2003-2004</b> 940,344.0	
<b>Tons Disposed per Month</b>	64,624.9	78,362.0	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 3,316,736.0	<b>Permitted</b> 7,800,000.0	<b>Total</b> 50,000,000.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		4,483,264.0	46,683,264.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.81		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 3,621,747.8	<b>Total</b> 37,712,481.2
<b>Remaining Capacity in Years (Lifetime TPM)</b>		4.7	48.6
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		3.9	40.1

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### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used

Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open

2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months

Remaining Airspace = Total Volume Airspace – Volume of Airspace Used

Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor

Remaining Capacity in Months =

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month

Remaining Capacity in Years =

Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months

Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months

Permitted = Landfill Volume Constructed and Permitted to Operate

Total = Total Volume for the Landfill Site at Final Design

## Municipal Solid Waste Landfill Capacity

Analysis Date: January 11, 2005

### Total Landfill Capacity for North Carolina

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<b>County:</b>	All Counties		
<b>Date</b>	<b>Opened</b> Varied	<b>Surveyed</b> 1/11/2005	<b>Months Open</b> Varied
<b>Total Tons Disposed</b>	<b>Lifetime</b> 57,083,570.0	<b>2003-2004</b> 7,606,671.9	
<b>Tons Disposed per Month</b>	576,011.9	633,889.3	
<b>Volume Airspace (yd<sup>3</sup>)</b>	<b>Used</b> 95,805,976.0	<b>Permitted</b> 132,927,669.0	<b>Total</b> 326,334,692.0
<b>Remaining Airspace (yd<sup>3</sup>)</b>		37,121,693.0	230,528,716.0
<b>Utilization Factor (tons/yd<sup>3</sup>):</b>	0.60		
<b>Remaining Capacity for Tons of Waste</b>		<b>Permitted</b> 22,118,022.8	<b>Total</b> 137,354,710.4
<b>Remaining Capacity in Years (Lifetime TPM)</b>		3.3	20.8
<b>Remaining Capacity in Years (2003-2004 TPM)</b>		2.9	18.1

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#### *Calculations*

Utilization Factor = Lifetime Total Tons Disposed / Volume of Airspace Used  
 Lifetime Tons Disposed Per Month = Lifetime Total Tons Disposed / Months Open  
 2003-2004 Tons Disposed Per Month = 2003-2004 Total Tons Disposed / 12 Months  
 Remaining Airspace = Total Volume Airspace – Volume of Airspace Used  
 Remaining Capacity for Tons of Waste = Remaining Airspace x Utilization Factor  
 Remaining Capacity in Months =  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month  
 Remaining Capacity in Years =  
     Remaining Capacity for Tons of Waste / Lifetime Tons Disposed Per Month / 12 Months  
     Remaining Capacity for Tons of Waste / 2003-2004 Tons Disposed Per Month / 12 Months  
 Permitted = Landfill Volume Constructed and Permitted to Operate  
 Total = Total Volume for the Landfill Site at Final Design