

NORTH CAROLINA

DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

1993 SPECIAL REPORT: *NORTH CAROLINA SOLID WASTE DISPOSAL*



PUBLISHED
JANUARY, 1994

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Reduce • Re-use • Recycle

SPECIAL REPORT: NORTH CAROLINA SOLID WASTE DISPOSAL

EXECUTIVE SUMMARY

Based on the most recent reports from counties and municipalities, the amount of solid waste disposed decreased 6.4 percent - 18.6 percent short of the state's goal of 25 percent solid waste reduction by June 30, 1993. However, the state recorded a decrease for the third consecutive year in the amount of solid waste disposed in landfills on a per capita basis.

Although the total state waste reduction was 6.4 percent, many local governments achieved much greater municipal solid waste (MSW) reductions. Several counties with aggressive recycling programs and alternative waste management strategies made significant progress. Others made progress by diverting certain types of waste, such as land clearing debris, from general solid waste landfill disposal.

The state's goal was to reduce solid waste; yet, 32 of 100 counties increased solid waste generated. Many of the county landfills in the base year lacked scales to weigh, resulting in operators' overestimates of tons disposed. Industrial sector expansion contributed to low MSW reduction reports. Some counties experienced one-time disposal events that significantly increased their solid waste totals.

Disposal of municipal solid waste in the "county landfill" is still the principal disposal method in North Carolina. In addition to the 6,794,219 tons of MSW disposed in landfills, 2,349,643 tons of industrial waste were disposed in 27 private industrial landfills serving specific industrial operations.

In FY 1992-93, a majority of the permitted sanitary landfills were unlined facilities where leachate has the potential to contaminate groundwater. Slightly more than 75 percent of all currently permitted unlined sanitary landfills show some evidence of on-site groundwater problems.

Six sanitary landfills in FY 1992-93 were equipped with liners and leachate collection systems to protect groundwater. In FY 1993-94, an additional 11 lined landfills began receiving waste and 3 more are under construction. It is estimated that these 20 lined facilities will receive approximately 40 percent of the state's municipal solid waste disposal tonnage for FY 1994-95. This is a 27.5 percent increase in MSW to lined landfills over FY 1991-92.

Eighty-four municipal solid waste landfill (MSWLF) facilities reported receiving some fee for solid waste disposal, with a statewide weighted tipping fee average of \$21.88 per ton.

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RECOMMENDATIONS

The following recommendations are proposed to advance the development of waste reduction programs and to help achieve state waste management goals and policies during this transition time.

The state should consider funding to supplement costs of local governments for developing and initiating comprehensive solid waste management plans.

The state should consider statewide landfill disposal bans of additional materials that have markets and opportunities for recycling.

The state should expedite development of regulations affecting local solid waste management plans and should provide technical assistance in developing a comprehensive waste management system.

The state should consider using source reduction programs for materials that can be eliminated from the waste stream.

The state should expand specific recycling and re-use programs for particular sectors of the community.

The state should consider a statewide disposal fee as an incentive to reduce the amount of material disposed and to subsidize comprehensive local government's solid waste management efforts.

The state should expand efforts to review the benefits of additional programs affecting material currently being disposed in landfills.

The state should encourage more market development efforts to improve demand and financial incentives for recycling of materials.

The state, local governments, and institutions should significantly increase efforts in source reduction, re-use, recycling, and purchase of recycled material.

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State Progress Toward Waste Reduction Goal

In 1989 the General Assembly passed an "Act to Improve the Management of Solid Waste" (Senate Bill 111). This legislation established goals and policies, a waste management hierarchy, required planning and reporting, instituted landfill bans on certain materials and established new solid waste management programs. The act as amended in 1991 (House Bill 1109) set a goal for the state to achieve a 25 percent reduction of municipal solid waste (MSW) by June 30, 1993 and a 40 percent reduction by June 30, 2001.

North Carolina did not achieve the 25 percent solid waste reduction goal by the 1993 deadline. The amount of solid waste disposed in landfills and incinerators decreased only 6.4 percent. If the 25 percent goal had been achieved in FY 1992-93, approximately 1,500,000 tons of solid waste would have been diverted from the waste stream. Instead of the 6,890,818 tons that were disposed, the total would have been approximately 5,400,000 tons.

However, for the third consecutive year the state recorded a decrease in the amount of solid waste landfilled on a per capita basis. Much of the decrease can be attributed to recent changes in methods used to manage solid waste. These include: an increase in the number of landfills using tipping fees as well as an increase in fees charged; the separation of land clearing and inert debris (LCID) from disposal with general solid waste; the enactment of landfill bans on certain materials; the growing number of communities with source reduction and recycling programs; and an expansion of recycling efforts by business and industry.

Waste reduction is measured by comparing the base year disposal tonnage (FY 1991-92) to disposal tonnage in the current year. The base year amount was determined by adding the total amount of municipal solid waste disposed in landfills and incinerators to the amount of the waste managed through recycling, composting and mulching efforts of local governments.

These combined tonnage figures from FY 1991-92 were used to determine the base year numbers. Thus, 197,287 tons of recycled material and 237,250 tons of composted and mulched material were added to the 6,822,890 tons of solid waste disposed that year. This sum was divided by the population of North Carolina to determine the per capita managed rate of 1.08 tons for FY 1991-92. In FY 1992-93 the per capita disposal rate decreased to 1.01 tons or slightly more than one ton per person - a decrease of 6.4 percent. (Refer to Table 1 for a statewide summary of North Carolina MSW disposal.)

Solid waste management plans of local governments will indicate how comprehensive programs will help achieve the long range goal. The Solid Waste Section has begun development of the regulations to support the local planning effort.

These calculations show slow, but steady, progress toward the state's municipal solid waste reduction goal. The industrial waste managed by the 27 industrial landfill facilities was not included in the state's goal for waste reduction, nor in individual county calculations. State

regulations for local solid waste management planning will determine how waste reduction goals will be addressed for industrial facilities.

TABLE 1
Statewide Summary of MSW Disposal

Population	Population	MSW Tons Disposed	MSW Tons Disposed	MSW Tons Managed	MSW Tons Disposed	Base Year Per Capita	Disposal Rate	% Waste Reduction	Progress Toward Goal
FY91-92	FY92-93	FY90-91	FY91-92	FY91-92	FY92-93	FY91-92	FY92-93	FY92-93	FY92-93
6,739,959	6,836,977	7,161,455	6,822,890	7,257,428	6,890,818	1.08	1.01	6.40%	25.60%

County Progress Toward Waste Reduction Goal

Although the total state waste reduction was 6.4 percent, many counties achieved much greater MSW reductions. Several counties made significant progress during the past year toward helping the state achieve the municipal solid waste reduction goal.

Alamance County, with a reduction of 22 percent and Craven County with a reduction of 21 percent, used aggressive recycling and other waste reduction programs. Yancey County, with 39 percent and Mitchell County with 27 percent reduction, have strong industrial programs. Transylvania County, with a reduction of 46 percent, has a strong recycling program and eliminated land clearing debris from the Transylvania County MSWLF. But much of their progress may be due to artificially high estimates in FY 1991-92. Even though scales were required by law, many of the county landfills lacked scales in the base year to weigh, resulting in operators' overestimates of tons disposed.

As indicated above, not all the progress reported is the result of identifiable programs, but is due to high estimates of waste managed in FY 1991-92. Consequently, the more accurate FY 1992-93 information indicates a MSW disposal decrease. This is probably one of the major factors in the decreases reported by Alleghany, Avery, Jones, Montgomery, Rutherford, Moore, and Warren counties. Initiation of tipping fees in Montgomery and Rutherford counties may have contributed to their decrease in waste managed.

North Carolina solid waste law provides for the establishment of an earlier baseline year if a local government makes an official request to the state. Following submission of earlier dates, nine counties received approval for an alternative base year for managing solid waste. These nine counties are specifically detailed in a separate part of Appendix B and are designated with an asterisk.

The counties with alternative base years generally received additional credit in their progress toward achieving the state's goal. Several of these counties initiated early recycling programs, tipping fees, bans on cardboard or other programs to reduce waste. Alamance, Buncombe, Catawba and Craven counties banned cardboard from their landfills. Alamance and Catawba counties also have extensive curbside recycling. Craven County has a "bag and tag" system

where the disposal fee is based on volume. Durham, Forsyth and Wake counties have extensive curbside recycling programs and Wake County just initiated a ban on cardboard disposal at landfills.

Although the state's goal was to reduce solid waste, 32 of 100 counties actually increased solid waste disposed. Where estimates were low, such as in Yadkin, Cherokee, Rockingham and Wilkes counties, the actual high scale-measured totals for the following year are misleading.

Another factor contributing to low MSW reduction reports was industrial sector expansion. In counties like Anson and Granville, new industries increased the amount of solid waste disposed. Haywood County's waste increased because Champion International, Inc. extensively renovated its physical facilities.

Other counties experienced one-time events that significantly increased their solid waste totals during FY 1992-93. Several counties, including Swain, landfilled waste from the "Blizzard of '93" which destroyed buildings and trees. Additionally, a furniture factory in Swain County was demolished. Hertford County had an increase in construction and residential waste as a result of land clearing and construction for the state's new juvenile home. Greene County had to estimate their FY 1991-92 tonnage totals because a computer virus destroyed their data. See Appendix C for county progress reports.

Municipal Solid Waste Disposal

Disposing of municipal solid waste in the "county landfill" was still the principal disposal method for solid waste in North Carolina in FY 1992-93. All but seven of the counties in the state had public sanitary landfills receiving MSW. These 107 public municipal solid waste landfills received nearly 86 percent of the 6,794,219 tons of MSW disposed in North Carolina. Six private landfills accepted this type of waste, while three incinerators (two are waste-to-energy facilities) and two scrap tire monofills managed the remaining municipal waste.

MSW includes waste generated from households, businesses, and commercial and industrial activities. Appendix A lists 107 public landfills, six private landfills, three MSW incinerators, two scrap tire monofills and 27 industrial landfills that completed and submitted Solid Waste Management Annual Report Forms to the state for the FY 1992-93 reporting period.

TABLE 2
Solid Waste Disposal

No. of Facilities	Facility Type	Total Tons Received
107	PUBLIC LANDFILLS	5,845,440
6	PRIVATE LANDFILLS	811,174
2	SCRAP TIRE MONOFILLS	22,698
3	INCINERATORS*	114,907
118	TOTAL MSW DISPOSED	6,794,219
	OUT-OF-STATE DISPOSAL**	96,600
27	INDUSTRIAL LANDFILLS	2,349,643
145	FACILITIES REPORTED FY1992-93	9,240,462

*Adjusted downward by 50,586 tons of ash landfilled to avoid double counting of material disposed.

**Estimated

The seven counties without a MSW landfill were Camden, Chowan, Gates, Hyde, Mecklenburg, Mitchell, and Tyrrell. They used regional landfills located in other counties. Currently, facilities which take waste from more than one county are located in Dare, Cabarrus, Pamlico, Sampson, Montgomery, Beaufort, Forsyth, Harnett, Pasquotank, Perquimans, Washington, Scotland, and Yancey counties. Due in part to new regulations governing MSWLFs, many counties are closing their landfills and transferring waste to regional facilities. It is estimated that by the end of FY 1993-94, at least 40 counties will not have a MSW landfill. However, local governments retain the right to provide disposal service through the operation of transfer stations and contracts for disposal of waste previously disposed at the local government landfill.

In addition to the 6,794,219 tons of MSW disposed in landfills, 2,349,643 tons of industrial waste were disposed of in 27 private industrial landfills serving specific industrial operations. Waste managed at these industrial landfills includes ash, asbestos and other process waste.

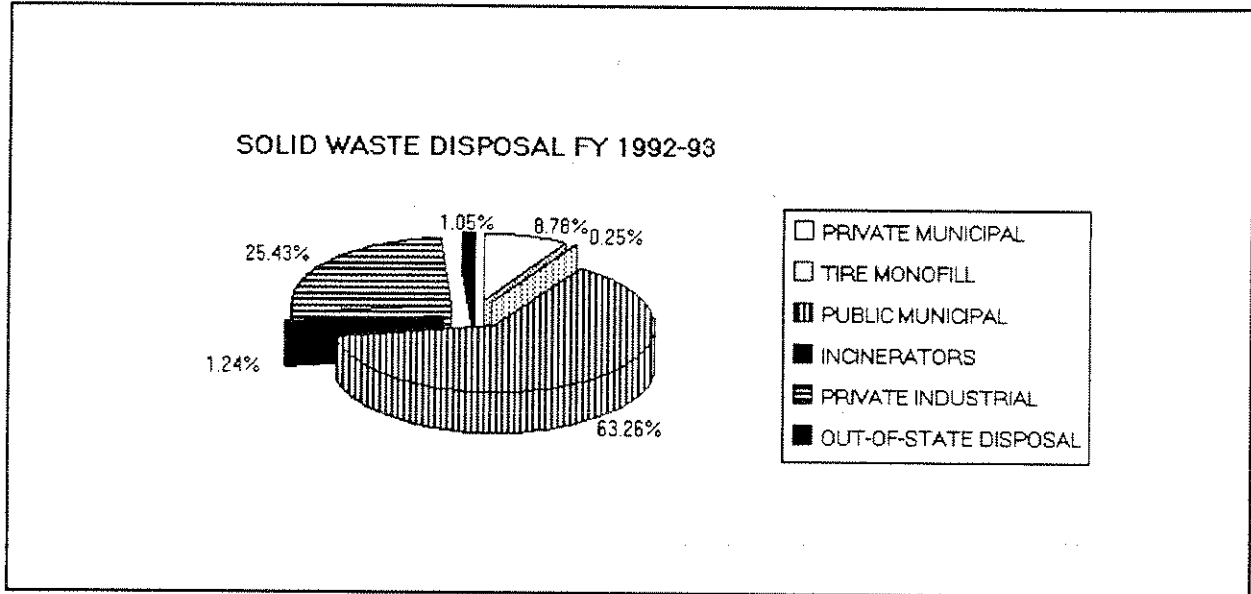
There are two scrap tire monofills, Central Carolina Recycling in Harnett County and US Tire Disposal in Cabarrus County. They disposed of 22,698 tons of scrap tires.

For the FY 1992-93 reporting period, North Carolina had three MSW incineration facilities: Northeast Waste-To-Energy in Mecklenburg County; New Hanover County Incinerator; and Town of Wrightsville Beach Incinerator also in New Hanover County. These incinerators received 114,907 tons of waste and generated 50,586 tons of ash for FY 1992-93. Wrightsville Beach Incinerator stopped receiving waste in April 1993.

Large scale movement of waste out of North Carolina into neighboring states started in FY 1992-1993. In the future, increased waste movement into and out of North Carolina will be a significant part of the total waste management practice. An estimated 87,300 tons of waste from

Mecklenburg County and an estimated 9,600 tons from Buncombe County were disposed in South Carolina. Relatively small amounts of waste from other western and southern counties also may have been sent to South Carolina.

FIGURE 1



The volume of municipal solid waste received by sanitary landfills ranged from 402 tons per year to 493,963 tons per year. Of the 118 MSW facilities, 74 received less than the state average of 205 tons per day (based on 280 days/year), and 46 of those facilities received less than 100 tons per day. In FY 1992-93, 40 percent of the facilities receiving MSW received less waste than disposed in FY 1991-92.

Unlined Landfills

In FY 1992-93 a majority of the permitted sanitary landfills were unlined facilities where leachate has the potential to contaminate groundwater. Slightly more than 50 percent of these sites have documented evidence of on-site groundwater contamination. Another 25 percent of the existing facilities show some indication of groundwater contamination in the on-site monitoring wells. Therefore, slightly more than 75 percent of all currently permitted unlined sanitary landfills are showing some evidence of on-site groundwater degradation.

Lined Landfills

Six sanitary landfill facilities operational in FY 1992-93 were equipped with liners and leachate collection systems to protect groundwater. This is the same number of lined facilities that existed in FY 1991-92. The six lined landfills are Piedmont Landfill & Recycling Center in

Forsyth County, New Hanover Secure Landfill, Charlotte Motor Speedway Landfill in Cabarrus County, Rowan County Landfill, Transylvania County Landfill, and Macon County Landfill.

Piedmont Landfill received waste from 40 counties in North Carolina, while Charlotte Motor Speedway Landfill received waste from two counties. All other lined landfill facilities received waste solely from the county in which they are located. Lined MSWLF's received a total of 845,752 tons of waste or 12.5 percent of the state's total during FY 1992-93.

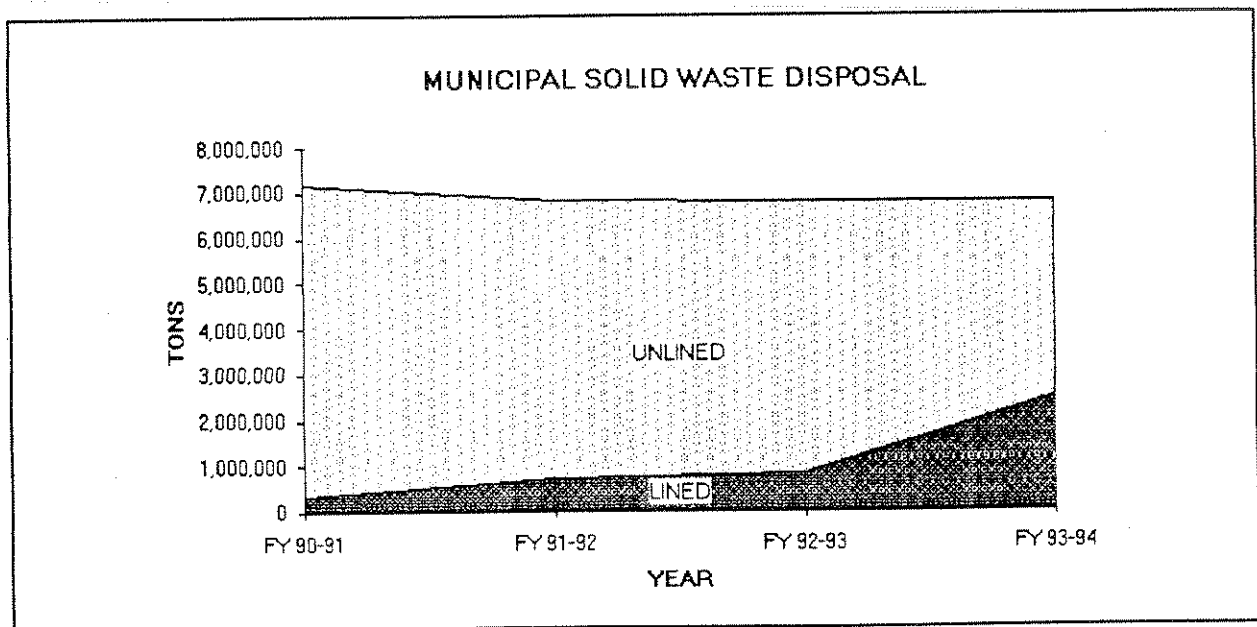
In FY 1993-94, an additional 11 lined landfills began receiving waste bringing the total number of lined facilities to 17. These 11 new landfills are City of High Point Landfill, Wilkes County Landfill, Madison County Landfill, Haywood County Landfill, Coastal Regional Solid Waste Management Authority Interim Landfill in Craven County, Ashe County Landfill, Iredell County Landfill, Lincoln County Landfill, Alamance County Landfill, Sampson County Regional Landfill, and East Carolina Environment Regional Landfill in Bertie County.

Three additional lined facilities, Davidson County Landfill, Orange County Landfill, and North Wake County Landfill, are under construction and expected to be operational within calendar year 1994.

It is estimated that these 20 lined facilities will receive approximately 40 percent of the state's municipal solid waste total for FY 1994-95. This is a 27.5 percent increase over FY 1991-92. All MSW must be disposed in lined landfills by January 1, 1998.

The state is on the way toward achieving the goal established in the State Solid Waste Plan of ensuring "that adequate capacity of environmentally protective solid waste disposal facilities exist to meet the needs of the people of North Carolina." The movement away from unlined landfills to the newer lined facilities is a significant accomplishment for protection of public health and the environment.

FIGURE 2



Disposal Rates

Each landfill and incineration facility reported the quantity of waste received by the county of origin. This data provided the basis for a per capita disposal rate, which was established by dividing the total waste disposed by the county's estimated population. The per capita disposal rate expressed as tons per year provides a basis for comparative analysis of waste disposed and provides the basis for measuring progress toward the state's waste reduction goal. (Refer to Appendix B for waste per capita data for all North Carolina counties. Appendix B does not include the waste disposed of in the 27 industrial landfills.)

The three counties with the highest per capita disposal rate were Dare (2.16), Haywood (1.77) and Wilson (1.82). Dare County has a significant tourism industry which generates large amounts of seasonal waste. Haywood County disposed of large amounts of construction and demolition waste due to a Champion International, Inc. remodeling project. Wilson County did not have tipping fees during the reporting period.

Fifteen counties as shown in Table 3, generated slightly more than 51 percent of North Carolina's municipal solid waste. (Tonnages in Table 3 do not include the 27 industrial landfills.)

TABLE 3
Solid Waste Disposal by County FY 1992-1993

County	Total Tonnage	Population July, 1991	Waste Per Capita Disposal	% of Total (Cumulative)
MECKLENBURG	617,277	536,403	1.15	8.97
WAKE	542,427	459,544	1.18	16.85
GUILFORD	452,645	354,477	1.28	23.43
FORSYTH	286,079	269,678	1.06	27.59
CUMBERLAND	218,486	283,405	0.77	30.76
DURHAM	195,038	187,911	1.04	33.60
GASTON	163,093	176,874	0.92	35.97
ONslow	154,526	144,004	1.07	38.21
NEW HANOVER	151,076	127,928	1.18	40.41
BUNCOMBE	143,463	180,265	0.85	42.63
CATAWBA	136,463	121,418	1.12	44.61
ORANGE	125,767	99,674	1.26	46.44
IREDELL	124,813	96,865	1.29	48.25
DAVIDSON	122,371	132,259	0.93	50.03
WILSON	121,443	66,868	1.82	51.79

Tipping Fees

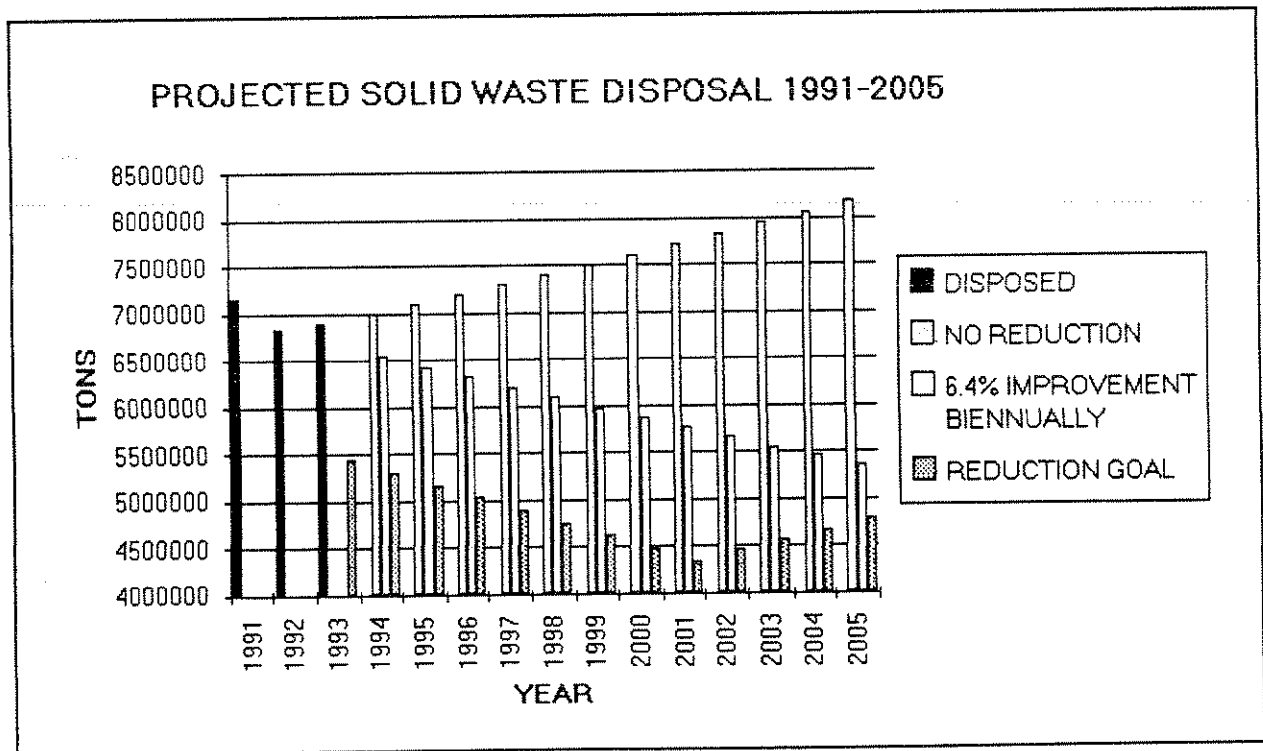
Eighty-four MSWLF facilities reported receiving some fee for solid waste disposal. Most sanitary landfills charged by the ton for accepting solid waste, although four facilities charged by the cubic yard. For purposes of comparison, cubic yard fees were converted to a per ton fee using 600 pounds per cubic yard as a conversion factor. When more than one disposal fee was listed by a facility, the charge for a commercial waste hauler was used in the tabulations. (Appendix A lists facilities and their tipping fees.)

Tipping fees in FY 1992-93 ranged from \$60 per ton in New Hanover County to \$3.40 per ton in Wilkes County. The average North Carolina tipping fee per ton is \$18.52, while the weighted average is \$21.88 (due to more waste being disposed in facilities with tipping fees). Twenty-three landfills did not charge a tipping fee to dispose of municipal solid waste. Of the 23 which had no tipping fee, 16 will stop receiving waste by April 9, 1994.

Trends in MSW Reduction

Trends in waste reduction are beginning to emerge from the information gathered from the Solid Waste Management Annual Report Forms submitted by local governments. The following projected trend graph (Figure 3) presents three scenarios for North Carolina's future waste reduction management.

FIGURE 3



The first three columns represent municipal solid waste disposal from 1991 through 1993.

The tallest set of columns represents the annual MSW disposed given projected population increases through the year 2005. If no waste reduction efforts are made, and waste disposed remains constant at roughly one ton per person, North Carolina will have to manage a growing volume of waste through landfill and incineration facilities.

The middle set of columns represents waste disposal if North Carolinians achieve a 6.4 percent reduction in solid waste every two years. By 1999, North Carolina would reach its 25 percent waste reduction goal and be on its way to achieving a 40 percent reduction by the year 2010. Under present policies and strategies, much effort will be necessary to achieve substantial, long term waste reduction.

The final scenario (shortest set of columns) illustrates the state's waste reduction goal of 25 percent reduction in MSW disposed per person by 1993, and a 40 percent reduction in MSW disposed per person by 2001. The graph shows that even with a 40 percent reduction, the amount of waste managed will continue to grow after 2002 due to population growth, although at a lower rate.

If the state continues to dispose of waste in 2001 at the 1993 per capita rate, approximately \$169,033,590 ($\$21.88 \times 7,725,484$ tons) will be spent if tipping fees remain unchanged (a highly unlikely assumption). This is approximately \$74,000,000 more than would be spent if the state reaches its waste reduction goal and disposes of only 4,354,456 tons. If disposal costs reach \$35.00 per ton, the additional cost of disposing the 3.4 million tons of waste over the goal would be \$119,000,000 each year.

The savings in landfill costs are not necessarily savings but represent costs that are redirected from landfilling to other forms of waste management such as composting or recycling. Additionally, the cost per ton of landfilling waste may go up significantly at smaller landfills as fewer tons are landfilled and the costs associated with landfills are so sensitive to size and economies of scale.

APPENDIX A: PUBLIC MUNICIPAL SOLID WASTE LANDFILL FACILITIES

PERMIT	PUBLIC FACILITIES	TONS			TONNAGE CHANGE	TONS/DAY (280 DAYS)	TIPPING FEE			CERTIFIED OPERATOR	
		FY 90-91	FY 91-92	FY 92-93			FY 90-91	FY 91-92	FY 92-93		
4103	GREENSBORO LF (GUILFORD CO)	322,946.00	327,574.00	283,000.00	-44,574.00	1,010.71	\$22.00	\$26.00	\$26.25	FY 91-92 YES	FY 92-93 YES
9201	WAKE CO (WILDERS GROVE) LF	276,662.00	268,796.00	267,984.00	9,188.00	967.09	\$21.00	\$28.00	\$28.00	FY 91-92 YES	FY 92-93 YES
3402	WINSTON SALEM LF (FORSTYH)	229,531.00	210,246.46	216,125.79	5,879.33	771.88	\$15.00	\$18.00	\$18.00	FY 91-92 YES	FY 92-93 YES
3201	DURHAM LF (DURHAM)	217,020.00	208,360.00	194,281.00	-14,079.00	693.86	\$26.00	\$38.00	\$38.00	FY 91-92 NO	FY 92-93 NO
2601	ANN ST LF (CUMBERLAND CO)	174,445.00	160,880.67	179,920.67	19,040.00	642.57	\$2.00	\$25.00	\$29.00	FY 91-92 YES	FY 92-93 YES
3606	GASTON CO LF	149,198.00	153,105.00	161,664.00	8,759.00	578.09	\$22.00	\$22.00	\$22.00	FY 91-92 YES	FY 92-93 YES
1101	BUNCOMBE CO LF	192,476.00	141,928.01	143,267.00	1,338.99	511.67	\$28.00	\$28.00	\$28.00	FY 91-92 YES	FY 92-93 YES
1803	CATAWBA CO LF	131,201.00	129,948.00	136,459.00	6,511.00	487.35	\$10.00	\$15.00	\$20.00	FY 91-92 YES	FY 92-93 NO
4101	HIGH POINT LF (GUILFORD CO)	118,968.00	118,118.30	126,083.78	7,965.48	450.30	\$21.00	\$26.00	\$30.00	FY 91-92 NO	FY 92-93 NO
6801	ORANGE CO REGIONAL LF	95,123.00	121,318.00	125,452.00	4,134.00	448.04	\$20.00	\$22.00	\$21.50	FY 91-92 YES	FY 92-93 YES
4901	IREDELL CO LF	148,500.00	110,357.00	124,625.00	14,268.00	445.09	\$24.00	\$24.00	\$27.00	FY 91-92 YES	FY 92-93 YES
9209	WAKE CO LF	156,958.00	150,967.70	122,444.10	-28,523.60	437.30	\$21.00	\$28.00	\$28.00	FY 91-92 YES	FY 92-93 YES
2902	DAVIDSON CO LF	117,211.00	132,258.00	121,503.00	-10,755.00	433.94	\$18.00	\$21.00	\$21.30	FY 91-92 YES	FY 92-93 YES
9801	WILSON CO LF	108,637.00	117,112.00	121,419.00	4,307.00	433.64	\$0.00	\$0.00	\$0.00	FY 91-92 NO	FY 92-93 NO
7401	PITT CO LF	142,110.00	124,008.00	119,270.00	-4,738.00	425.96	\$0.00	\$20.00	\$20.00	FY 91-92 NO	FY 92-93 NO
9601	WAYNE CO	111,083.00	97,386.32	101,716.09	4,329.77	363.27	\$14.00	\$14.00	\$14.00	FY 91-92 YES	FY 92-93 YES
9203	FELTONVILLE LF (WAKE CO)	89,035.00	92,433.74	100,764.82	8,331.08	359.87	\$21.00	\$28.00	\$28.00	FY 91-92 NO	FY 92-93 YES
8003	ROWAN CO LF	87,159.00	85,708.00	88,639.00	2,931.00	316.57	\$27.00	\$28.00	\$31.00	FY 91-92 YES	FY 92-93 YES
6504	NEW HANOVER CO LF	123,538.00	80,575.58	83,273.11	2,697.53	297.40	\$60.00	\$60.00	\$60.00	FY 91-92 YES	FY 92-93 YES
7813	ROBESON CO	84,066.00	91,048.50	80,676.70	-10,371.80	288.13	\$13.00	\$23.00	\$22.50	FY 91-92 NO	FY 92-93 NO
1007	BRUNSWICK CO LF	70,836.00	76,560.00	80,477.00	3,917.00	287.42	\$0.00	\$0.00	\$0.00	FY 91-92 NO	FY 92-93 NO
9001	UNION CO LF	105,570.00	71,787.37	79,465.89	7,678.52	283.81	\$26.00	\$30.00	\$30.00	FY 91-92 NO	FY 92-93 NO
3301	EDGEcombe CO LF	64,079.00	71,037.00	78,894.52	7,857.52	281.77	\$10.00	\$10.00	\$15.00	FY 91-92 YES	FY 92-93 YES
6401	NASH CO LF	78,495.00	79,402.87	78,454.78	-948.09	280.20	\$8.00	\$12.00	\$15.00	FY 91-92 NO	FY 92-93 NO
1602	CARTERET CO LF	105,358.00	84,433.00	78,281.00	-6,152.00	279.58	\$20.00	\$15.00	\$30.00	FY 91-92 NO	FY 92-93 NO
7601	RANDOLPH CO LF	74,700.00	75,533.00	77,660.00	2,127.00	277.36	\$20.00	\$20.00	\$24.00	FY 91-92 YES	FY 92-93 YES
4501	HENDERSON CO LF	89,488.00	77,763.00	77,501.00	-267.00	276.79	\$0.00	\$17.00	\$26.00	FY 91-92 YES	FY 92-93 YES
101	ALAMANCE CO LF	98,552.00	89,089.64	76,632.91	-12,456.73	273.69	\$29.00	\$31.00	\$30.67	FY 91-92 NO	FY 92-93 NO
5403	LENOIR CO LF	60,347.00	67,323.66	74,062.00	6,738.34	264.51	\$12.00	\$12.00	\$12.00	FY 91-92 NO	FY 92-93 NO
6705	ONslow CO LF	74,195.00	63,530.27	69,992.56	6,462.29	249.97	\$35.00	\$35.00	\$35.00	FY 91-92 NO	FY 92-93 NO
8401	ALBEMARLE LF (STANLY)	62,328.00	67,498.00	69,503.00	2,005.00	248.23	\$0.00	\$0.00	\$0.00	FY 91-92 YES	FY 92-93 YES
2503	GRAVEN CO LF	97,232.00	77,108.17	68,675.15	-8,433.02	245.27	\$25.00	\$25.00	\$25.00	FY 91-92 NO	FY 92-93 NO
5101	JOHNSTON CO LF	72,048.00	70,045.00	68,578.00	-1,467.00	244.92	\$18.00	\$27.00	\$27.00	FY 91-92 NO	FY 92-93 NO
1203	BURKE CO LF	54,509.50	64,619.00	68,081.55	3,462.55	243.15	\$18.00	\$20.00	\$23.00	FY 91-92 YES	FY 92-93 YES
2301	CLEVELAND CO LF	74,096.00	64,749.87	67,888.77	3,138.90	242.46	\$19.00	\$19.00	\$23.00	FY 91-92 NO	FY 92-93 NO
1401	CALDWELL CO LF	45,866.00	62,112.59	66,951.53	4,838.94	239.11	\$18.00	\$18.00	\$25.00	FY 91-92 NO	FY 92-93 NO

APPENDIX A: PUBLIC MUNICIPAL SOLID WASTE LANDFILL FACILITIES

PERMIT	PUBLIC FACILITIES	TONS		TONS		TONS		TONNAGE CHANGE	TONSDAY (280 DAYS)	TIPPING FEE		TIPPING FEE		CERTIFIED OPERATOR	
		FY 90-91	FY 91-92	FY 92-93	FY 92-93	FY 90-91	FY 91-92			FY 92-93	FY 92-93	FY 91-92	FY 92-93	FY 91-92	FY 92-93
8103	CENTRAL LF (RUTHERFORD CO)	48,208.00	52,047.64	64,894.31	12,846.67	231.77	\$28.00	\$17.00	\$17.00	YES	YES	YES	YES		
7901	ROCKINGHAM CO LF	60,155.00	37,377.46	60,661.85	23,284.39	216.65	\$13.00	\$18.00	\$18.00	YES	YES	YES	YES		
6301	MOORE CO LF	72,690.00	70,706.43	58,114.30	-12,592.13	207.55	\$10.00	\$10.00	\$10.00	YES	YES	YES	NO		
1302	CABARRUS CO LF	59,832.00	59,335.70	57,641.70	-1,694.00	285.86	\$25.00	\$28.00	\$28.00	YES	YES	YES	YES		
9701	WILKES CO LF	83,832.00	55,722.00	55,832.00	110.00	199.40	\$3.00	\$6.00	\$6.00	NO	NO	NO	NO		
2802	EAST LAKE LF (DARE CO)	48,613.00	50,101.00	52,052.36	1,951.36	185.90	\$0.00	\$0.00	\$0.00	YES	YES	YES	NO		
4204	HALIFAX CO LF	60,000.00	52,309.79	52,036.12	-273.67	185.84	\$9.00	\$9.00	\$9.00	NO	NO	NO	NO		
8602	SURRY CO LF	49,296.00	45,907.00	51,518.00	5,611.00	183.99	\$0.00	\$0.00	\$0.00	NO	NO	NO	NO		
4403	HAYWOOD CO LF	40,560.00	39,240.00	50,878.47	11,638.47	181.71	\$0.00	\$0.00	\$0.00	NO	NO	NO	YES		
4302	HARNETT CO LF	59,804.00	54,770.00	49,985.00	-4,785.00	178.52	\$10.00	\$10.00	\$10.00	NO	NO	NO	NO		
8301	SCOTLAND CO LF	46,800.00	43,041.84	45,668.00	2,626.16	163.10	\$17.00	\$16.00	\$16.00	NO	NO	NO	YES		
2401	COLUMBUS CO LF	35,880.00	44,536.31	45,361.11	824.80	162.00	\$16.00	\$16.00	\$16.00	YES	YES	YES	NO		
702	BEAUFORT CO LF	37,200.00	38,748.17	44,531.19	5,783.02	159.04	\$0.00	\$0.00	\$0.00	NO	NO	NO	NO		
5503	LINCOLN CO LF	51,450.00	42,297.00	44,194.64	1,897.64	157.84	\$10.00	\$20.00	\$20.00	YES	YES	YES	YES		
5301	LEE CO LF	45,981.00	46,750.83	43,398.70	-3,352.13	155.00	\$9.00	\$14.00	\$14.00	NO	NO	NO	NO		
6201	MONTGOMERY CO LF	18,096.00	28,800.00	42,542.43	13,742.43	151.94	\$7.00	\$0.00	\$0.00	NO	NO	NO	YES		
3901	OXFORD LF (GRANVILLE CO)	32,246.00	36,341.03	39,190.64	2,849.61	139.97	\$15.00	\$14.00	\$14.00	NO	NO	NO	NO		
9101	VANCE CO LF	46,954.00	40,053.06	38,242.34	-1,810.72	136.58	\$12.00	\$14.00	\$14.00	NO	NO	NO	NO		
7702	RICHMOND CO LF	47,662.00	60,103.48	36,885.79	-23,217.69	131.73	\$35.00	\$35.00	\$35.00	YES	YES	YES	YES		
9502	WATAUGA CO LF	32,206.00	32,881.82	35,208.00	2,326.18	125.74	\$15.00	\$15.00	\$15.00	YES	YES	YES	YES		
8201	SAMPSON CO LF	36,000.00	33,234.59	34,975.86	1,741.27	124.91	\$20.00	\$20.00	\$20.00	NO	NO	NO	YES		
4404	CANTON LF (HAYWOOD CO)	95,735.00	13,957.00	34,592.00	20,635.00	123.54	\$40.00	\$23.00	\$23.00	NO	NO	NO	NO		
3501	FRANKLIN CO LF	25,881.00	27,887.46	32,477.41	4,589.95	115.99	\$14.00	\$18.00	\$18.00	NO	NO	NO	NO		
7002	PASQUOTANK CO LF	34,478.00	30,004.99	31,638.80	1,633.81	113.00	\$25.00	\$25.00	\$25.00	YES	YES	YES	YES		
5901	MARTIN CO LF	25,956.00	30,086.00	30,690.00	604.00	109.61	\$0.00	\$0.00	\$0.00	NO	NO	NO	NO		
5601	MCDOWELL CO LF	28,900.00	27,460.96	30,279.63	2,818.67	108.14	\$21.00	\$21.00	\$21.00	NO	NO	NO	YES		
3101	DUPLIN CO LF	48,900.00	31,571.92	29,913.64	-1,658.28	106.83	\$12.00	\$27.00	\$27.00	NO	NO	NO	NO		
1901	CHATHAM CO LF	31,910.00	30,552.00	29,805.00	-747.00	106.45	\$19.00	\$30.00	\$30.00	NO	NO	NO	NO		
901	BLADEN CO	47,110.00	24,810.00	28,330.00	3,520.00	101.18	\$13.00	\$12.00	\$12.00	NO	NO	NO	NO		
7201	PERQUIMANS CHOWAN GATES REG LF	24,508.00	24,700.00	26,410.31	1,710.31	94.32	\$25.00	\$25.00	\$25.00	YES	YES	YES	YES		
7301	ROXBORO LF (PERSON CO)	42,996.00	22,528.99	25,251.59	2,722.60	90.18	\$0.00	\$14.00	\$14.00	YES	YES	YES	YES		
9902	YADKIN CO LF	25,800.00	20,487.33	22,529.86	2,042.53	80.46	\$0.00	\$0.00	\$0.00	NO	NO	NO	NO		
8603	ELKIN AREA LF (SURRY CO)	32,760.00	26,726.00	21,604.00	-5,122.00	77.16	\$0.00	\$0.00	\$0.00	NO	NO	NO	NO		
1	YANCEY/MITCHELL CO LF	31,296.00	30,915.00	21,072.00	-9,843.00	75.26	\$0.00	\$0.00	\$0.00	NO	NO	NO	NO		
201	ALEXANDER CO LF	28,880.00	25,182.00	20,712.00	-4,470.00	73.97	\$12.00	\$24.00	\$24.00	NO	NO	NO	NO		
3902	GRANVILLE CO (BUTNER) LF	14,090.00	17,915.14	19,320.50	1,405.36	69.00	\$15.00	\$14.00	\$14.00	NO	NO	NO	NO		

APPENDIX A: PUBLIC MUNICIPAL SOLID WASTE LANDFILL FACILITIES

PERMIT	PUBLIC FACILITIES	TONS		TONS		TONS		TONNAGE CHANGE	TONS/DAY (280 DAYS)	TIPPING FEE			CERTIFIED OPERATOR	
		FY 90-91	FY 91-92	FY 91-92	FY 92-93	FY 92-93	FY 90-91			FY 91-92	FY 92-93	FY 91-92	FY 92-93	
5002	JACKSON CO LF	16,833.00	16,703.00	19,309.07	2,506.07	68.96	\$0.00	\$24.00	\$24.00	NO	NO	NO	NO	
4701	HOKE CO LF	20,306.00	17,515.04	19,150.05	1,635.01	68.39	\$15.00	\$15.00	\$15.00	YES	YES	YES	YES	
3001	DAVE CO LF	19,070.00	15,109.98	18,284.35	3,174.37	65.30	\$30.00	\$30.00	\$30.00	NO	NO	\$30.00	NO	
501	ASHE CO LF	16,389.00	17,756.20	18,000.17	243.97	64.29	\$18.00	\$18.00	\$18.00	NO	NO	\$30.00	N/A	
2001	CHEROKEE CO LF	15,840.00	15,926.00	17,610.69	1,664.69	62.90	\$0.00	\$12.00	\$12.00	NO	NO	\$12.00	NO	
7101	PENDER CO LF	18,133.00	17,875.79	17,277.29	-588.50	61.70	\$30.00	\$54.00	\$54.00	NO	NO	\$54.00	NO	
801	BERTIE CO LF	12,600.00	17,255.30	16,864.00	-391.30	60.23	\$0.00	\$0.00	\$0.00	NO	NO	\$0.00	NO	
8501	STOKES CO LF	16,896.00	16,784.00	16,671.26	-112.74	59.54	\$20.00	\$20.00	\$20.00	NO	NO	\$20.00	NO	
5703	MACON CTY LANDFILL	0.00	3,648.70	16,645.53	12,986.83	59.45	\$0.00	\$0.00	\$0.00	YES	YES	\$20.00	YES	
8807	TRANSYLVANIA CO LF	0.00	3,220.00	16,384.00	13,164.00	58.51	\$0.00	\$0.00	\$0.00	YES	YES	\$0.00	YES	
401	ANSON CO LF	14,831.00	13,942.30	15,702.29	1,759.99	56.08	\$30.00	\$30.00	\$30.00	YES	YES	\$30.00	YES	
2701	CURRITUCK CO LF	14,569.00	13,721.00	15,001.00	1,280.00	53.58	\$0.00	\$0.00	\$0.00	NO	NO	\$0.00	NO	
4601	HERTFORD CO LF	12,475.00	14,269.00	14,819.00	550.00	52.93	\$19.00	\$20.00	\$20.00	NO	NO	\$40.00	NO	
9402	WASHINGTON CO LF	11,773.00	13,233.05	14,735.51	1,502.46	52.63	\$15.00	\$18.00	\$18.00	YES	YES	\$18.00	NO	
6601	NORTHAMPTON CO LF	12,384.00	18,890.00	14,435.18	-4,454.82	51.55	\$0.00	\$0.00	\$0.00	NO	NO	\$0.00	NO	
6902	PAMLICO CO LF	11,083.00	10,600.00	11,895.54	1,295.54	42.48	\$0.00	\$0.00	\$0.00	YES	YES	\$25.00	YES	
4303	ANDERSON CREEK LF (HARNETT CO)	10,355.00	13,691.00	11,841.00	-1,850.00	42.29	\$10.00	\$10.00	\$10.00	NO	NO	\$25.00	NO	
5802	MADISON CO LF	12,090.00	11,154.00	10,404.59	-749.41	37.16	\$0.00	\$0.00	\$0.00	YES	YES	\$0.00	YES	
9301	WARREN CO LF	13,490.00	10,968.00	8,976.00	-1,992.00	32.06	\$14.00	\$25.00	\$16.00	NO	NO	\$16.00	NO	
4002	GRENE CO LF	14,064.00	6,815.28	8,729.64	1,914.36	31.18	\$0.00	\$14.00	\$20.00	NO	NO	\$20.00	NO	
302	ALLEGHANY CO LF	17,060.00	13,995.00	7,684.00	-6,311.00	27.44	\$0.00	\$18.00	\$18.00	NO	NO	\$18.00	NO	
7502	POLK CO LF	9,318.00	8,808.86	7,515.49	-1,293.37	26.84	\$30.00	\$30.00	\$30.00	YES	YES	\$30.00	YES	
9702	ROARING RIVER LF (WILKES CO)	9,146.00	1,637.00	6,501.00	4,864.00	23.22	\$3.00	\$6.00	\$3.40	NO	NO	\$3.40	NO	
8701	SWAN CO LF	4,663.00	5,521.30	6,152.27	630.97	21.97	\$0.00	\$0.00	\$0.00	NO	NO	\$0.00	NO	
1701	CASWELL CO LF	5,807.60	5,102.43	4,818.11	-284.32	17.21	\$9.00	\$15.00	\$30.00	NO	NO	\$30.00	NO	
3801	GRAHAM CO LF	4,710.00	4,422.96	4,741.00	318.04	16.93	\$0.00	\$0.00	\$12.00	NO	NO	\$12.00	NO	
5702	HIGHLANDS LF (MACON CO)	7,365.00	4,267.04	3,655.53	-611.51	13.06	\$0.00	\$0.00	\$20.00	YES	YES	\$20.00	YES	
2201	CLAY CO LF	4,720.00	3,965.60	3,425.00	-540.60	12.23	\$0.00	\$12.00	\$12.00	NO	NO	\$12.00	NO	
8102	CLIFFSIDE SOUTH (RUTHERFORD CO) LF	12,051.00	31,228.58	3,184.21	-28,044.37	11.37	\$28.00	\$0.00	\$0.00	NO	NO	\$0.00	NO	
5201	JONES CO LF	3,648.00	4,366.00	2,876.00	-1,482.00	10.28	\$0.00	\$20.00	\$20.00	NO	NO	\$20.00	NO	
601	AVERY CO LF	16,060.00	10,800.00	2,830.00	-7,970.00	10.11	\$0.00	\$0.00	\$0.00	NO	NO	\$0.00	NO	
5701	MACON CO LF (FRANKLIN)	28,215.00	9,531.32	1,011.49	-8,519.83	3.61	\$0.00	\$0.00	\$0.00	YES	YES	\$0.00	YES	
2904	THOMASVILLE LF (DAVIDSON CO)	7,502.00	0.00	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	NO	NO	\$0.00	NO	
6001	MECKLENBURG CO LF	221,124.00	150,603.00	0.00	-150,603.00	0.00	\$25.00	\$28.00	\$0.00	YES	YES	\$28.00	NO	
8803	TRANSYLVANIA CO LF	26,740.00	25,620.00	0.00	-26,620.00	0.00	\$0.00	\$0.00	\$0.00	YES	YES	\$0.00	YES	
TOTAL		6,497,532.10	5,972,752.39	5,845,439.53	-127,312.86	20,876.57				43			43	

APPENDIX A: PRIVATE MUNICIPAL SOLID WASTE LANDFILL FACILITIES

PERMIT	FACILITY	TONS			TONS CHANGE	TONS/DAY (280 DAYS)	TIPPING FEE			TIPPING OPERATOR	
		FY 90-91	FY 91-92	FY 92-93			FY 90-91	FY 91-92	FY 92-93	FY 91-92	FY 92-93
1304	CHARLOTTE MTR SPEEDWAY	359,918.00	404,978.70	493,962.61	88,983.91	1,764.15	\$30.00	\$28.00	\$29.00	YES	YES
3406	PIEDMONT LF & RECYCLING CTR	128,148.00	142,067.36	146,847.90	4,780.54	524.46	\$74.00	\$24.00	\$24.00	NO	NO
6703	CAMP LEJEUNE SANITARY LF	59,403.00	83,823.43	83,823.43	0.00	299.37	\$0.00	\$0.00	\$0.00	YES	YES
9204	SORRELLS SANITARY LF	DNR	37,530.00	50,138.00	12,608.00	179.06	DNR	\$21.00	\$21.00	NO	NO
2602	FORT BRAGG SANITARY LF	80,000.00	39,996.00	36,000.00	-3,996.00	128.57	\$0.00	\$0.00	\$0.00	NO	NO
5001	WESTERN CAROLINA UNIVERSITY	612.00	430.45	402.42	-28.03	1.44	\$0.00	\$0.00	\$0.00	NO	NO
	TOTAL	628,081.00	708,825.94	811,174.36	102,348.42	2,897.05				2	2

DNR - DID NOT REPORT

APPENDIX A - SCRAP TIRE MONOFILL FACILITIES

PERMIT	FACILITY	TONS FY 90-91	TONS FY 91-92	TONS FY 92-93	TONS CHANGE	TONS/DAY FY 92-93
1303	U S TIRE RECYCLING, L P	15,444.00	17,094.25	17,873.23	778.98	(280 DAYS)
4304	CENTRAL CAROLINA TIRE DISPOSAL	0.00	2,764.61	4,824.43	2,059.82	63.83
	TOTAL TONS	15,444.00	19,858.86	22,697.66	2,838.80	17.23
						81.06

APPENDIX A: INCINERATION FACILITIES

PERMIT	FACILITY	GROSS TONS		ASH TONS		TONS		GROSS TONS		ASH TONS		TONS		TONS/DAY		NET REDUCTION			
		FY 90-91		FY 90-91		FY 91-92		FY 91-92		FY 91-92		FY 91-92		FY 92-93		FY 92-93		(280 DAYS)	
6505	NEW HANOVER CO WTE FACILITY	29,265.00	12,290.00	16,975.00	103,611.40	39,608.72	64,002.68	95,236.96	33,132.56	62,104.40	221.80								-8,374.44
6010	NORTHEAST WTE FACILITY	74,263.00	18,600.00	55,663.00	71,443.00	17,307.00	54,136.00	67,102.00	16,517.00	50,585.00	180.66								-4,341.00
6506	TOWN OF WRIGHTSVILLE BEACH	5,856.00	1,265.60	4,590.40	5,194.20	1,388.50	3,805.70	3,153.50	936.30	2,217.20	7.92								-2,040.70
	TOTAL TONS	80,119.00	19,865.60	60,253.40	180,248.60	58,304.22	121,944.38	165,492.46	50,585.86	114,906.60	410.38								-14,756.14

APPENDIX A: PRIVATE INDUSTRIAL FACILITIES

PERMIT	FACILITY	TONS FY 90-91	TONS FY 91-92	TONS FY 92-93	TONNAGE CHANGE	TONSDAY FY 92-93
						(280 DAYS)
7302	ROXBORO S E PLANT	DNR	528,486.00	632,421.90	103,935.90	2,258.65
4406	CHAMPION INT'L CORP LF NO. 6	DNR	389,689.00	379,899.00	-9,790.00	1,356.78
1804	MARSHALL STEAM STATION LF	DNR	329,457.00	344,543.80	15,086.80	1,230.51
2402	FEDERAL PAPER BOARD COMPANY, INC	139,375.00	194,929.00	268,341.00	73,412.00	958.36
8503	BELEWS CREEK ASH LF	DNR	242,268.00	164,675.00	-77,593.00	588.13
3605	FMC CORPORATION LF	DNR	184,462.00	154,923.00	-29,539.00	553.30
9401	WEYERHAEUSER PAPER CO	DNR	99,732.30	119,283.00	19,550.70	426.01
2302	CLEVELAND CONTAINER SERVICE	DNR	67,155.00	73,918.00	6,763.00	263.99
5404	E I DUPONT CO - KINSTON SITE	6,442.30	8,227.00	57,011.31	48,784.31	203.61
3405	R J REYNOLDS TOBACCO CO LF	68,019.00	59,576.71	48,997.79	-10,578.92	174.99
1006	E I DUPONT	14,147.00	20,767.85	23,852.30	3,084.45	85.19
4203	CHAMPION INT'L CORP	31,698.00	17,839.10	21,768.80	3,929.70	77.75
1102	BASE CORPORATION	23,400.00	25,726.00	20,652.00	-5,074.00	73.76
8801	ECUSTA PAPER LF (SLUDGE)	13,337.00	10,999.70	10,134.90	-864.80	36.20
2502	WEYERHAEUSER COMPANY	10,252.00	6,633.00	8,249.00	1,616.00	29.46
8805	ECUSTA PAPER LF	DNR	7,522.10	7,026.00	-496.10	25.09
5603	COLLINS & AIKMAN SANITARY LF	DNR	6,846.70	6,440.00	-406.70	23.00
9703	ABITBI PRICE CORP	3,846.00	3,999.00	4,288.00	289.00	15.31
6603	GEORGIA PACIFIC	709.00	530.40	816.80	286.40	2.92
802	R J REYNOLDS TOBACCO CO, AVOCA DIV	225.20	766.30	702.60	-63.70	2.51
6004	MCGUIRE SITE LF	101.00	90.80	463.20	372.40	1.65
8806	DUPONT BREVARD PLANT	DNR	490.20	412.00	-78.20	1.47
7602	EVEREADY BATTERY COMPANY, INC	DNR	612.70	337.80	-274.90	1.21
1001	BRUNSWICK PLANT SANITARY LF	446.00	194.00	323.00	129.00	1.15
9210	SHEARON HARRIS LF	350.00	176.00	162.33	-13.67	0.58
4401	CHAMPION INT'L CORP LF NO. 5	DNR	0.00	0.00	0.00	0.00
4503	CRANSTON PRINT WORKS	DNR	DNR	0.00	DNR	0.00
	TOTAL TONS	312,347.50	2,207,175.86	2,349,642.53	142,466.67	8,391.58

DNR - DID NOT REPORT

APPENDIX B: COUNTY TOTAL FY 1992-93

COUNTY	Population FY 91-92	Population FY 92-93	MSW Tons Disposed FY90-91	MSW Tons Disposed FY91-92	MSW Managed FY91-92	MSW Tons Disposed FY92-93	Base Year Per Capita FY91-92	Disposal Rate FY 92-93	% Waste Reduction FY92-93	Progress Toward Goal
	Jul-91	Jul-92								
AVERY	14,946	14,999	16,060.00	10,947.65	11,130.09	2,952.16	0.74	0.20	73.57%	294.28%
ALLEGHANY	9,749	9,884	17,060.00	14,064.73	14,130.83	7,730.65	1.45	0.78	46.04%	184.16%
TRANSYLVANIA	25,940	26,338	27,930.00	28,841.91	30,072.05	16,482.27	1.16	0.63	46.02%	184.08%
TYRRELL	3,765	3,887	1,768.00	1,739.71	2,984.83	1,742.86	0.79	0.45	43.44%	173.77%
VANCEY	15,430	15,813	15,648.00	15,455.38	15,576.12	9,725.43	1.01	0.62	39.07%	156.30%
JONES	9,347	9,461	3,648.00	4,360.00	4,360.00	2,878.00	0.47	0.30	34.79%	139.14%
MITCHELL	14,236	14,495	15,648.00	15,606.00	15,768.10	11,567.00	1.11	0.80	27.95%	111.82%
MONTGOMERY	23,474	23,528	18,096.00	28,800.00	28,873.00	21,588.14	1.23	0.92	25.40%	101.61%
NORTHAMPTON	20,818	20,732	12,384.00	18,945.30	19,527.80	14,515.70	0.94	0.70	25.36%	101.43%
RUTHERFORD	57,325	57,763	60,259.00	83,631.84	89,175.34	68,322.46	1.56	1.18	23.97%	95.86%
MOORE	60,083	61,417	72,690.00	70,814.60	74,061.56	58,488.88	1.23	0.95	22.74%	90.97%
ALAMANCE*	109,119	109,978	99,742.00	90,510.91	99,301.89	77,599.29	0.91	0.71	22.47%	89.86%
POLK	14,706	15,085	9,318.00	8,808.86	9,327.33	7,515.49	0.63	0.50	21.45%	85.80%
GRAVEN*	82,489	83,709	97,402.00	77,355.31	86,549.01	69,274.99	1.05	0.83	21.13%	84.50%
WARREN	17,329	17,448	13,490.00	10,968.00	10,978.00	8,976.00	0.63	0.51	18.79%	75.18%
ALEXANDER	28,434	28,076	8,880.00	25,182.00	25,716.32	20,712.00	0.90	0.74	18.43%	73.73%
ROBESON	105,257	107,294	85,584.00	98,123.17	104,700.17	88,563.88	0.99	0.83	17.02%	68.07%
CLAY	7,295	7,184	4,720.00	3,965.60	4,172.34	3,425.00	0.57	0.48	16.64%	66.57%
CABARRUS	100,878	103,917	88,078.00	88,764.55	95,215.19	83,841.32	0.94	0.81	14.52%	58.08%
DAVIDSON	129,631	132,259	125,903.00	133,646.84	139,616.85	122,370.71	1.08	0.93	14.09%	56.38%
HARNETT	68,278	70,820	71,349.00	68,857.51	69,073.39	62,479.25	1.01	0.88	12.79%	51.17%
CHATHAM	39,358	40,725	33,100.00	31,209.91	33,235.13	30,109.23	0.84	0.74	12.45%	49.79%
BURKE	76,793	76,901	54,507.00	65,366.52	78,005.51	68,540.36	1.02	0.89	12.26%	49.03%
PITT	109,904	113,147	143,300.00	124,372.19	132,896.09	120,058.98	1.21	1.06	12.25%	49.00%
CARTERET	53,721	55,159	105,358.00	84,516.70	86,894.30	78,481.53	1.62	1.42	12.04%	48.14%
DURHAM*	186,540	187,911	218,210.00	210,104.06	218,971.80	195,038.13	1.17	1.04	11.58%	46.32%
VANCE	39,095	39,078	46,954.00	40,053.06	43,266.86	38,242.34	1.11	0.98	11.57%	46.30%
CATAWBA*	119,837	121,418	131,201.00	129,948.00	151,559.31	136,462.83	1.26	1.12	11.13%	44.53%
MECKLENBURG	524,463	536,403	650,910.00	601,055.45	677,573.24	617,277.17	1.29	1.15	10.93%	43.71%
MADISON	17,069	17,230	12,090.00	11,258.61	11,676.23	10,548.13	0.68	0.61	10.51%	42.02%
NASH	77,668	79,373	78,495.00	79,402.87	84,593.77	78,454.78	1.09	0.99	9.25%	37.00%
JOHNSTON	83,977	86,515	72,048.00	70,607.64	74,169.34	69,416.75	0.88	0.80	9.15%	36.61%
DUPLIN*	40,616	41,066	48,900.00	32,213.65	33,309.90	30,709.73	0.82	0.75	8.82%	35.27%
LEE	41,845	43,138	45,981.00	46,902.98	48,341.02	45,474.19	1.16	1.05	8.75%	35.00%

APPENDIX B: COUNTY TOTAL FY 1992-93

COUNTY	Population	Population	MSW Tons		MSW Tons		MSW Tons		Base Year Per Capita	Disposal Rate	% Waste Reduction	Progress
	FY 91-92	FY 92-93	Disposed	FY90-91	Disposed	FY91-92	Disposed	FY91-92				
WAKE*	442,803	459,544	523,880.00	539,817.04	569,621.89	542,427.42	1.29	1.18	8.24%	32.97%		
NEW HANOVER	123,309	127,928	159,849.00	149,582.43	157,646.89	151,075.83	1.28	1.18	7.63%	30.51%		
ORANGE	96,302	99,674	95,123.00	122,053.92	131,067.45	125,766.70	1.36	1.26	7.29%	29.16%		
CLEVELAND	85,304	85,976	74,096.00	65,533.73	73,137.50	68,606.32	0.86	0.80	6.93%	27.71%		
FORSYTH*	267,237	269,678	278,242.00	278,824.06	304,289.69	286,079.05	1.14	1.06	6.84%	27.34%		
CASWELL	20,829	20,956	5,810.00	5,102.43	5,136.12	4,818.11	0.25	0.23	6.76%	27.04%		
DAVIE	28,396	28,869	19,070.00	15,231.34	19,348.40	18,380.80	0.68	0.64	6.56%	26.23%		
PENDER	30,218	30,950	18,133.00	17,895.86	18,187.76	17,444.49	0.60	0.56	6.36%	25.42%		
HENDERSON	71,185	72,252	89,488.00	78,014.26	81,497.83	77,761.09	1.14	1.08	5.99%	23.98%		
BUNCOMBE*	176,714	180,265	192,476.00	142,041.61	159,040.21	152,762.69	0.90	0.85	5.84%	23.36%		
HALIFAX	56,154	56,638	60,000.00	52,352.39	54,906.78	52,265.76	0.98	0.92	5.62%	22.49%		
WATAUGA	37,097	37,760	32,206.00	33,065.54	36,755.38	35,360.04	0.99	0.94	5.49%	21.94%		
GUILFORD	349,764	354,477	453,446.00	464,235.29	471,540.90	452,645.06	1.35	1.28	5.28%	21.13%		
CUMBERLAND	279,995	283,405	255,639.00	203,144.90	227,301.67	218,485.71	0.81	0.77	5.04%	20.14%		
BERTIE	20,154	20,508	12,600.00	17,255.30	17,371.98	16,864.00	0.86	0.82	4.60%	18.40%		
CHOWAN	13,846	13,973	12,254.00	12,353.00	13,691.72	13,182.67	0.99	0.94	4.59%	18.37%		
RICHMOND	44,839	45,204	47,652.00	60,606.28	60,752.03	58,619.57	1.35	1.30	4.29%	17.16%		
PASQUOTANK*	31,212	31,994	32,081.00	28,236.53	30,150.34	29,647.20	0.97	0.93	4.07%	16.29%		
PAMLICO	11,458	11,449	6,795.00	7,223.00	8,541.24	8,196.50	0.75	0.72	3.96%	15.84%		
WAYNE	106,330	107,130	111,167.00	97,852.09	106,149.38	102,716.65	1.00	0.96	3.96%	15.83%		
SAMPSON	47,962	48,303	36,000.00	33,234.59	33,545.35	32,492.71	0.70	0.67	3.82%	15.29%		
SCOTLAND	34,211	34,287	45,282.00	37,136.51	39,867.42	38,645.81	1.17	1.13	3.28%	13.12%		
DARE	22,994	23,260	46,770.00	48,446.08	51,299.83	50,260.74	2.23	2.16	3.15%	12.58%		
GATES	9,395	9,558	5,392.00	5,430.00	5,896.67	5,832.71	0.63	0.61	2.77%	11.09%		
PERQUIMANS	10,327	10,436	6,862.00	6,917.00	7,519.55	7,394.93	0.73	0.71	2.68%	10.74%		
RANDOLPH	107,946	109,227	74,700.00	75,720.11	78,663.37	77,711.28	0.73	0.71	2.37%	9.48%		
GASTON	176,828	176,874	149,198.00	154,581.05	165,099.79	163,093.42	0.93	0.92	1.24%	4.96%		
SURRY	62,387	62,771	82,056.00	72,633.00	73,595.30	73,187.82	1.18	1.17	1.16%	4.65%		
ROWAN	112,223	112,764	90,131.00	86,180.41	90,081.47	89,479.30	0.80	0.79	1.15%	4.58%		
LINCOLN	50,966	51,999	52,640.00	43,979.51	44,442.34	45,067.93	0.87	0.87	0.61%	2.43%		
WILSON	66,443	66,868	108,637.00	117,122.46	120,870.35	121,443.14	1.82	1.82	0.16%	0.66%		
ASHE	22,439	22,434	16,389.00	17,883.94	18,089.13	18,056.01	0.81	0.80	0.16%	0.64%		
MARTIN	25,231	25,750	25,956.00	30,087.39	30,111.58	30,690.00	1.19	1.19	0.13%	0.53%		
COLUMBUS	49,904	50,134	35,880.00	44,536.31	45,199.16	45,361.11	0.91	0.90	0.10%	0.41%		

APPENDIX B: COUNTY TOTAL FY 1992-93

COUNTY	Population FY 91-92	Population FY 92-93	MSW Tons Disposed FY90-91	MSW Tons Disposed FY91-92	MSW Managed FY91-92	MSW Tons Disposed FY92-93	Base Year Per Capita FY91-92	Disposal Rate FY 92-93	% Waste Reduction FY92-93	Progress Toward Goal
BRUNSWICK	52,721	54,519	70,836.00	76,560.00	78,123.11	80,805.94	1.48	1.48	-0.02%	-0.09%
STANLY	52,342	53,015	62,328.00	67,940.50	69,288.07	70,276.73	1.32	1.33	-0.14%	-0.56%
UNION	86,398	88,248	105,570.00	72,046.54	77,842.49	79,870.19	0.90	0.91	-0.45%	-1.82%
STOKES	37,881	38,190	18,086.00	17,691.72	17,976.32	18,354.91	0.47	0.48	-1.28%	-5.12%
HOKE	22,886	23,594	20,306.00	17,515.04	18,331.15	19,173.39	0.80	0.81	-1.46%	-5.82%
CALDWELL	70,941	71,829	45,866.00	62,642.56	65,531.52	67,461.78	0.92	0.94	-1.67%	-6.69%
PERSON	30,280	30,769	42,996.00	22,528.99	24,249.07	25,251.59	0.80	0.82	-2.48%	-9.92%
MCDOWELL	35,751	36,000	28,900.00	27,460.96	29,179.96	30,279.63	0.82	0.84	-3.05%	-12.20%
CURRITUCK	13,844	14,566	14,569.00	13,721.00	13,792.48	15,001.00	1.00	1.03	-3.37%	-13.48%
ONSLow	152,865	144,004	133,598.00	147,867.58	158,344.22	154,526.10	1.04	1.07	-3.59%	-14.37%
JACKSON	27,404	27,537	17,445.00	17,179.24	18,660.87	19,711.49	0.68	0.72	-5.12%	-20.48%
ROCKINGHAM	86,152	86,206	81,947.00	65,416.57	71,480.71	75,228.09	0.83	0.87	-5.18%	-20.71%
HERTFORD	22,620	22,280	12,475.00	14,269.00	14,288.00	14,819.00	0.63	0.67	-5.30%	-21.20%
MACON	24,062	24,656	35,580.00	17,447.06	19,738.31	21,312.55	0.82	0.86	-5.37%	-21.50%
HYDE	5,535	5,379	3,043.00	2,675.55	2,761.59	2,850.50	0.50	0.53	-6.21%	-24.85%
GRANVILLE	39,202	39,713	46,336.00	54,259.99	54,547.90	58,759.72	1.39	1.48	-6.34%	-25.34%
YADKIN	31,018	31,628	25,800.00	20,508.45	20,778.78	22,529.86	0.67	0.71	-6.34%	-25.34%
WILKES	60,378	60,379	92,978.00	57,629.50	58,817.60	62,581.61	0.97	1.04	-6.40%	-25.59%
GRAHAM	7,241	7,115	4,710.00	4,422.96	4,508.08	4,741.00	0.62	0.67	-7.03%	-28.12%
CAMDEN	5,987	5,952	2,397.00	1,768.46	1,850.16	1,991.60	0.31	0.33	-8.28%	-33.11%
SWAIN	11,191	11,244	4,663.00	5,521.30	5,650.66	6,152.27	0.50	0.55	-8.36%	-33.46%
IREDELL	96,384	96,865	152,340.00	110,967.87	114,539.18	124,812.55	1.19	1.29	-8.43%	-33.71%
ANSON	23,144	23,543	14,831.00	13,942.30	14,229.30	15,703.82	0.61	0.67	-8.49%	-33.97%
LENOR	57,697	58,351	60,347.00	67,323.66	67,692.88	74,556.23	1.17	1.28	-8.90%	-35.62%
CHEROKEE	20,629	20,726	15,841.00	15,960.17	16,020.17	17,623.89	0.78	0.85	-9.50%	-37.98%
FRANKLIN	37,738	38,794	25,881.00	27,887.46	28,701.81	32,477.41	0.76	0.84	-10.07%	-40.30%
WASHINGTON	13,874	13,989	10,005.00	11,493.34	11,699.36	12,992.65	0.84	0.93	-10.14%	-40.57%
EDGECOMBE	57,180	56,642	64,079.00	71,037.00	71,471.38	78,894.52	1.25	1.39	-11.43%	-45.74%
BEAUFORT	42,411	42,841	40,118.00	41,104.54	41,796.03	47,546.61	0.99	1.11	-12.62%	-50.47%
BLADEN	29,065	28,647	47,110.00	24,823.83	25,048.21	28,330.00	0.86	0.99	-14.75%	-59.01%
GREENE	15,546	15,987	15,254.00	7,339.34	7,427.74	9,342.85	0.48	0.56	-22.31%	-89.25%
HAYWOOD	47,775	48,323	136,295.00	53,197.00	57,841.80	85,470.47	1.21	1.77	-46.09%	-184.36%
TOTAL	6,739,959	6,836,977	7,161,455.00	6,822,890.35	7,257,428.09	6,890,818.15	1.08	1.01	6.40%	25.60%

APPENDIX B: COUNTY TOTAL FY 1992-93

* ALTERNATIVE BASE YEAR COUNTIES

COUNTY	Base Year	Population	Population	MSW Tons		Base Year	MSW Tons	Base Year	MSW Tons	Base Year	Per Capita	Disposal	% Waste	Progress
	Population			Disposed	Disposed									
			FY 92-93	FY90-91	FY91-92		FY91-92		FY92-93			FY92-93	Goal	
ALAMANCE (FY89-90)	106,956	109,978	99,742.00	90,510.91	117,861.83	77,599.29	1.10	0.71	35.97%	143.88%				
BUNCOMBE (FY88-89)	173,198	180,265	192,476.00	142,041.61	157,660.00	152,762.69	0.91	0.85	6.90%	27.62%				
CATAWBA (FY89-90)	118,427	121,418	131,201.00	129,948.00	179,351.00	136,462.83	1.51	1.12	25.79%	103.15%				
CRAVEN (FY90-91)	81,715	83,709	97,402.00	77,355.31	98,536.00	69,274.99	1.21	0.83	31.37%	125.48%				
DUPLIN (FY90-91)	39,976	41,066	48,900.00	32,213.65	48,900.00	30,709.73	1.22	0.75	38.87%	155.46%				
DURHAM (FY88-89)	171,483	187,911	218,210.00	210,104.06	224,196.00	195,038.13	1.31	1.04	20.61%	82.44%				
FORSYTH (FY88-89)	266,353	269,678	278,242.00	278,824.06	357,474.00	286,079.05	1.34	1.06	20.96%	83.84%				
PASQUOTANK (FY90-91)	31,368	31,994	32,081.00	28,236.53	32,081.00	29,647.20	1.02	0.93	9.39%	37.58%				
WAKE (FY 88-89)	388,502	459,544	523,880.00	539,817.04	544,520.00	542,427.42	1.40	1.18	15.78%	63.14%				
TOTAL	989,476	1,026,019	1,098,254.00	989,234.13	1,216,059.83	977,573.91	1.23	0.95	22.47%	89.90%				

APPENDIX C: COUNTY TOTAL FY 1992-93

COUNTY	Population FY 91-92 Jul 91	Population FY 92-93 Jul 92	MSW Tons Disposed FY90-91	MSW Tons Disposed FY91-92	MSW Managed FY91-92	MSW Tons Disposed FY92-93	Base Year Per Capita FY91-92	Disposal Rate FY 92-93	% Waste Reduction FY92-93	Progress Toward Goal
ALAMANCE*	109,119	109,978	99,742.00	90,510.91	99,301.89	77,599.29	0.91	0.71	22.47%	89.86%
ALEXANDER	28,434	28,076	8,880.00	25,182.00	25,716.32	20,712.00	0.90	0.74	18.43%	73.73%
ALLEGHANY	9,749	9,884	17,060.00	14,064.73	14,130.83	7,730.65	1.45	0.78	46.04%	184.16%
ANSON	23,144	23,543	14,831.00	13,942.30	14,229.30	15,703.82	0.61	0.67	-8.49%	-33.97%
ASHE	22,439	22,434	16,389.00	17,883.94	18,089.13	18,056.01	0.81	0.80	0.16%	0.64%
AVERY	14,946	14,999	16,060.00	10,947.65	11,130.09	2,952.16	0.74	0.20	73.57%	294.28%
BEAUFORT	42,411	42,841	40,118.00	41,104.54	41,796.03	47,546.61	0.99	1.11	-12.62%	-50.47%
BERTIE	20,154	20,508	12,600.00	17,255.30	17,371.98	16,864.00	0.86	0.82	4.60%	18.40%
BLADEN	29,065	28,647	47,110.00	24,823.83	25,048.21	28,330.00	0.86	0.99	-14.75%	-59.01%
BRUNSWICK	52,721	54,519	70,836.00	76,560.00	78,123.11	80,805.94	1.48	1.48	-0.02%	-0.09%
BUNCOMBE*	176,714	180,265	192,476.00	142,041.61	159,040.21	152,762.69	0.90	0.85	5.84%	23.36%
BURKE	76,793	76,901	54,507.00	65,386.52	78,005.51	68,540.36	1.02	0.89	12.26%	49.03%
CABARRUS	100,878	103,917	88,078.00	88,784.55	95,215.19	83,841.32	0.94	0.81	14.52%	58.08%
CALDWELL	70,941	71,829	45,866.00	62,642.56	65,531.52	67,461.78	0.92	0.94	-1.67%	-6.69%
CAMDEN	5,987	5,952	2,397.00	1,768.46	1,850.16	1,991.60	0.31	0.33	-8.28%	-33.11%
CARTERET	53,721	55,159	105,358.00	84,516.70	86,894.30	78,481.53	1.62	1.42	12.04%	48.14%
CASWELL	20,829	20,956	5,810.00	5,102.43	5,136.12	4,818.11	0.25	0.23	6.76%	27.04%
CATAWBA*	119,837	121,418	131,201.00	129,948.00	151,556.31	136,462.83	1.26	1.12	11.13%	44.53%
CHATHAM	39,358	40,725	33,100.00	31,209.91	33,236.13	30,109.23	0.84	0.74	12.45%	49.79%
CHEROKEE	20,629	20,726	15,841.00	15,960.17	16,020.17	17,623.89	0.78	0.85	-9.50%	-37.98%
CHOWAN	13,846	13,973	12,254.00	12,353.00	13,691.72	13,182.67	0.99	0.94	4.59%	18.37%
CLAY	7,295	7,184	4,720.00	3,965.60	4,172.34	3,425.00	0.57	0.48	16.64%	66.57%
CLEVELAND	85,304	85,976	74,096.00	65,533.73	73,137.50	68,606.32	0.86	0.80	6.93%	27.71%
COLUMBUS	49,904	50,134	35,880.00	44,536.31	45,199.16	45,361.11	0.91	0.90	0.10%	0.41%
GRAVEN*	82,489	83,709	97,402.00	77,355.31	86,549.01	69,274.99	1.05	0.83	21.13%	84.50%
CUMBERLAND	279,995	283,405	255,639.00	203,144.90	227,301.67	218,485.71	0.81	0.77	5.04%	20.14%
CURRITUCK	13,844	14,566	14,569.00	13,721.00	13,792.48	15,001.00	1.00	1.03	-3.37%	-13.48%
DARE	22,994	23,260	46,770.00	48,446.08	51,299.83	50,266.74	2.23	2.16	3.15%	12.58%
DAVIDSON	129,631	132,259	125,903.00	133,646.84	139,616.85	122,370.71	1.08	0.93	14.09%	56.38%
DAVE	28,396	28,869	19,070.00	15,231.34	19,348.40	18,380.80	0.68	0.64	6.56%	26.23%
DUPLIN*	40,616	41,066	48,900.00	32,213.65	33,309.90	30,709.73	0.82	0.75	8.82%	35.27%
DURHAM*	186,540	187,911	218,210.00	210,104.06	218,971.80	195,036.13	1.17	1.04	11.58%	46.32%
EDGECOMBE	57,180	56,642	64,079.00	71,037.00	71,471.38	78,894.52	1.25	1.39	-11.43%	-45.74%
FORSYTH*	267,237	269,678	278,242.00	278,824.06	304,289.69	286,079.05	1.14	1.06	6.84%	27.34%

APPENDIX C: COUNTY TOTAL FY 1992-93

COUNTY	Population	Population	MSW Tons		MSW Tons		MSW		MSW Tons		Base Year	Disposal	% Waste	Progress
	FY 91-92	FY 92-93	Disposed	Disposed	Disposed	Managed	Disposed	Managed	Disposed	Per Capita	Rate	Reduction	Toward	
			FY90-91	FY91-92	FY91-92	FY91-92	FY91-92	FY91-92	FY92-93	FY91-92	FY 92-93	FY92-93	Goal	
FRANKLIN	37,738	38,794	25,881.00	27,887.46	27,887.46	28,701.81	32,477.41	0.76	0.84	10.07%	-40.30%			
GASTON	176,828	176,874	149,198.00	154,581.05	154,581.05	165,099.79	163,093.42	0.93	0.92	1.24%	4.96%			
GATES	9,395	9,558	5,392.00	5,430.00	5,430.00	5,896.67	5,832.71	0.63	0.61	2.77%	11.09%			
GRAHAM	7,241	7,115	4,710.00	4,422.96	4,422.96	4,508.08	4,741.00	0.62	0.67	-7.03%	-28.12%			
GRANVILLE	39,202	39,713	46,336.00	54,259.99	54,259.99	54,547.90	58,759.72	1.39	1.48	-6.34%	-25.34%			
GREENE	15,546	15,987	15,254.00	7,339.34	7,339.34	7,427.74	9,342.85	0.48	0.58	-22.31%	-89.25%			
GUILFORD	349,764	354,477	453,446.00	464,235.29	464,235.29	471,540.90	452,645.06	1.35	1.28	5.28%	21.13%			
HALIFAX	56,154	56,638	60,000.00	52,352.39	52,352.39	54,906.78	52,265.76	0.98	0.92	5.62%	22.49%			
HARNETT	68,278	70,820	71,349.00	68,857.51	68,857.51	69,073.39	62,479.25	1.01	0.88	12.79%	51.17%			
HAYWOOD	47,775	46,323	136,295.00	53,197.00	53,197.00	57,841.80	85,470.47	1.21	1.77	-46.09%	-184.36%			
HENDERSON	71,185	72,252	89,488.00	78,014.26	78,014.26	81,497.83	77,761.09	1.14	1.08	5.99%	23.98%			
HERTFORD	22,620	22,280	12,475.08	14,269.00	14,269.00	14,288.00	14,819.00	0.63	0.67	-5.30%	-21.20%			
Hoke	22,886	23,594	20,306.00	17,515.04	17,515.04	18,331.15	19,173.39	0.80	0.81	-1.46%	-5.82%			
HYDE	5,535	5,379	3,043.00	2,675.55	2,675.55	2,761.59	2,850.50	0.50	0.53	-6.21%	-24.85%			
IREDELL	96,384	96,865	152,340.00	110,967.87	110,967.87	114,539.18	124,812.55	1.19	1.29	-8.43%	-33.71%			
JACKSON	27,404	27,537	17,445.00	17,179.24	17,179.24	18,680.87	19,711.49	0.68	0.72	-5.12%	-20.48%			
JOHNSTON	83,977	86,515	72,048.00	70,607.64	70,607.64	74,169.34	69,416.75	0.88	0.80	9.15%	36.61%			
JONES	9,347	9,461	3,648.00	4,360.00	4,360.00	4,360.00	2,878.00	0.47	0.30	34.79%	139.14%			
LEE	41,845	43,138	45,981.00	46,902.98	46,902.98	48,341.02	45,474.19	1.16	1.05	8.75%	35.00%			
LENOIR	57,697	58,351	60,347.00	67,323.66	67,323.66	67,692.88	74,556.23	1.17	1.28	-8.90%	-35.62%			
LINCOLN	50,966	51,999	52,640.00	43,979.51	43,979.51	44,442.34	45,067.93	0.87	0.87	0.61%	2.43%			
MACON	24,062	24,656	35,580.00	17,447.06	17,447.06	19,738.31	21,312.55	0.82	0.86	-5.37%	-21.50%			
MADISON	17,069	17,230	12,090.00	11,258.61	11,258.61	11,676.23	10,548.13	0.68	0.61	10.51%	42.02%			
MARTIN	25,231	25,750	25,956.00	30,087.39	30,087.39	30,111.58	30,690.00	1.19	1.19	0.13%	0.53%			
MCDOWELL	35,751	36,000	28,900.00	27,460.96	27,460.96	29,179.96	30,279.63	0.82	0.84	-3.05%	-12.20%			
MECKLENBURG	524,463	536,403	650,910.00	601,055.45	601,055.45	677,573.24	617,277.17	1.29	1.15	10.93%	43.71%			
MITCHELL	14,236	14,495	15,648.00	15,606.00	15,606.00	15,768.10	11,567.00	1.11	0.80	27.95%	111.82%			
MONTGOMERY	23,474	23,528	18,096.00	28,800.00	28,800.00	28,873.00	21,588.14	1.23	0.92	25.40%	101.61%			
MOORE	60,083	61,417	72,690.00	70,814.60	70,814.60	74,061.56	58,488.88	1.23	0.95	22.74%	90.97%			
NASH	77,668	79,373	78,495.00	79,402.87	79,402.87	84,593.77	78,454.78	1.09	0.99	9.25%	37.00%			
NEW HANOVER	123,309	127,928	159,849.00	149,582.43	149,582.43	157,646.89	151,075.83	1.28	1.18	7.63%	30.51%			
NORTHAMPTON	20,818	20,732	12,384.00	18,945.30	18,945.30	19,527.80	14,515.70	0.94	0.70	25.36%	101.43%			
ONSLow	152,865	144,004	133,598.00	147,867.58	147,867.58	158,344.22	154,526.10	1.04	1.07	-3.59%	-14.37%			
ORANGE	96,302	99,674	95,123.00	122,053.92	122,053.92	131,067.45	125,766.70	1.36	1.26	7.29%	29.16%			

APPENDIX C: COUNTY TOTAL FY 1992-93

COUNTY	Population FY 91-92	Population FY 92-93	MSW Tons Disposed FY90-91	MSW Tons Disposed FY91-92	MSW Managed FY91-92	MSW Tons Disposed FY92-93	Base Year Per Capita FY91-92	Disposal Rate FY 92-93	% Waste Reduction FY92-93	Progress Toward Goal
PAMLICO	11,458	11,449	6,795.00	7,223.00	8,541.24	8,196.50	0.75	0.72	3.96%	15.84%
PASQUOTANK*	31,212	31,994	32,081.00	28,236.53	30,150.34	29,647.20	0.97	0.93	4.07%	16.29%
PENDER	30,218	30,950	18,133.00	17,895.86	18,187.76	17,444.49	0.60	0.56	6.36%	25.42%
PERQUIMANS	10,327	10,436	6,862.00	6,917.00	7,519.55	7,394.93	0.73	0.71	2.68%	10.74%
PERSON	30,280	30,769	42,996.00	22,528.99	24,249.07	25,251.59	0.80	0.82	-2.48%	-9.92%
PITT	109,904	113,147	143,300.00	124,372.19	132,896.09	120,058.98	1.21	1.06	12.25%	49.00%
POLK	14,706	15,085	9,318.00	8,808.86	9,327.33	7,515.49	0.63	0.50	21.45%	85.80%
RANDOLPH	107,946	109,227	74,700.00	75,720.11	78,663.37	77,711.28	0.73	0.71	2.37%	9.48%
RICHMOND	44,839	45,204	47,662.00	60,606.28	60,752.03	58,619.57	1.35	1.30	4.29%	17.16%
ROBESON	105,257	107,294	85,584.00	98,123.17	104,700.17	88,563.88	0.99	0.83	17.02%	68.07%
ROCKINGHAM	86,152	86,206	81,947.00	65,416.57	71,480.71	75,228.09	0.83	0.87	-5.18%	-20.71%
ROWAN	112,223	112,764	90,131.00	86,180.41	90,081.47	89,479.30	0.80	0.79	1.15%	4.58%
RUTHERFORD	57,325	57,763	60,259.00	83,631.84	89,175.34	66,322.46	1.56	1.18	23.97%	95.86%
SAMPSON	47,962	48,303	36,000.00	33,234.59	33,545.35	32,492.71	0.70	0.67	3.82%	15.29%
SCOTLAND	34,211	34,287	45,282.00	37,136.51	39,867.42	36,645.81	1.17	1.13	3.28%	13.12%
STANLY	52,342	53,015	62,328.00	67,940.50	69,288.07	70,276.73	1.32	1.33	-0.14%	-0.56%
STOKES	37,881	38,190	18,086.00	17,691.72	17,976.32	18,354.91	0.47	0.48	-1.28%	-5.12%
SURRY	62,387	62,771	82,056.00	72,633.00	73,595.30	73,187.82	1.18	1.17	1.16%	4.65%
SWAIN	11,191	11,244	4,663.00	5,521.30	5,650.66	6,152.27	0.50	0.55	-8.36%	-33.46%
TRANSYLVANIA	25,940	26,338	27,930.00	28,841.91	30,072.05	16,482.27	1.16	0.63	46.02%	184.08%
TYRRELL	3,765	3,887	1,768.00	1,739.71	2,984.83	1,742.86	0.79	0.45	43.44%	173.77%
UNION	86,398	88,248	105,570.00	72,046.54	77,842.49	79,870.19	0.90	0.91	-0.45%	-1.82%
VANCE	39,095	39,078	46,954.00	40,053.06	43,266.86	38,242.34	1.11	0.98	11.57%	46.30%
WAKE*	442,803	459,544	523,880.00	539,817.04	589,621.89	542,427.42	1.29	1.18	8.24%	32.97%
WARREN	17,329	17,448	13,490.00	10,966.00	10,978.00	8,976.00	0.63	0.51	18.79%	75.18%
WASHINGTON	13,874	13,989	10,005.00	11,493.34	11,699.36	12,992.65	0.84	0.93	-10.14%	-40.57%
WATAUGA	37,097	37,760	32,206.00	33,065.54	36,755.38	35,360.04	0.99	0.94	5.49%	21.94%
WAYNE	106,330	107,130	111,167.00	97,852.09	106,149.38	102,716.65	1.00	0.96	3.96%	15.83%
WILKES	60,378	60,379	92,978.00	57,629.50	58,817.60	62,581.61	0.97	1.04	-6.40%	-25.59%
WILSON	66,443	66,868	108,637.00	117,122.46	120,870.35	121,443.14	1.82	1.82	0.16%	0.66%
YADKIN	31,018	31,628	25,800.00	20,508.45	20,778.78	22,529.86	0.67	0.71	-6.34%	-25.34%
YANCEY	15,430	15,813	15,648.00	15,465.38	15,576.12	9,725.43	1.01	0.62	39.07%	156.30%
TOTAL	6,739,959	6,836,977	7,161,455.00	6,822,890.35	7,257,428.09	6,890,818.15	1.08	1.01	6.40%	25.60%

APPENDIX C: COUNTY TOTAL FY 1992-93

*ALTERNATIVE BASE YEAR COUNTIES

COUNTY	Base Year	Population	Population	MSW Tons	MSW Tons	Base Year	MSW Tons	Base Year	MSW Tons	Base Year	Per Capita	Disposal	% Waste	Progress
	Population													
		FY 92-93	FY 90-91	Disposed	Disposed	Tonnage	Disposed	Tonnage	Disposed	Per Capita	Rate	FY 92-93	FY 92-93	Goal
ALAMANCE (FY89-90)	106,956	109,978	99,742.00	90,510.91	117,861.83	77,599.29	1.10	0.71	35.97%	143.88%				
BUNCOMBE (FY88-89)	173,198	180,265	192,476.00	142,041.61	157,660.00	152,762.69	0.91	0.85	6.90%	27.62%				
CATAWBA (FY89-90)	118,427	121,418	131,201.00	129,948.00	179,351.00	136,462.83	1.51	1.12	25.79%	103.15%				
CRAVEN (FY90-91)	81,715	83,709	97,402.00	77,355.31	98,536.00	69,274.99	1.21	0.83	31.37%	125.48%				
DUPLIN (FY90-91)	39,976	41,066	48,900.00	32,213.65	48,900.00	30,709.73	1.22	0.75	38.87%	155.46%				
DURHAM (FY88-89)	171,483	187,911	218,210.00	210,104.06	224,196.00	195,038.13	1.31	1.04	20.61%	82.44%				
FORSYTH (FY88-89)	266,353	269,678	278,242.00	278,824.06	357,474.00	286,079.05	1.34	1.06	20.96%	83.84%				
PASQUOTANK (FY90-91)	31,368	31,994	32,081.00	28,236.53	32,081.00	29,647.20	1.02	0.93	9.39%	37.58%				
WAKE (FY 88-89)	388,502	459,544	523,880.00	539,817.04	544,520.00	542,427.42	1.40	1.18	15.78%	63.14%				
TOTAL	989,476	1,026,019	1,098,254.00	989,234.13	1,216,059.83	977,573.91	1.23	0.95	22.47%	89.90%				