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**TEN YEAR MUNICIPAL
SOLID WASTE
REGIONAL PLAN**

**SHILOH REGIONAL SOLID WASTE
PLANNING REGION**

**CHESTER COUNTY
HARDIN COUNTY
MCNAIRY COUNTY
WAYNE COUNTY**

1994

Prepared by

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PART I
EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

The Shiloh Regional Solid Waste Planning Region is a four county region. It was formed to allow the counties to jointly approach their solid waste problem. The counties are contiguous to each other, and thus should be able to take advantage of the area's transportation system.

The Region's needs include upgrading the collection system. Each county has elected to develop a series of attended convenience centers. The Class I landfills in Chester County and Wayne County have closed. The Savannah/Hardin County landfill will close in 1994. The McNairy County landfill will operate until 1996. Until then, the McNairy County landfill will receive all the solid waste from the region. Chester County currently has a Class I permit application submitted to the State for review. Approval is anticipated in the summer of 1994. At that time, bids will be received from area landfills. The bid prices will be compared to the cost to operate a regional landfill in Chester County. It is recommended that a Solid Waste Authority be formed to deal with disposal. Class III/IV landfills will be developed in McNairy, Hardin, and Wayne Counties to help meet the 25% reduction goal and to reduce total disposal costs.

Other Regional needs include a 25% reduction in the amount of solid waste disposed of in Class I landfills on a per capita basis, a recycling program, and an educational and public information program. Each county has designated a recycling/reduction/education coordinator.

An annual collection event will be held in each county to collect household hazardous waste.

The Region's goals and objectives are as follows:

Goals

1. It is the goal of the Shiloh Regional Solid Waste Planning Region to make the Region's citizens, commercial businesses, industries, and institutions active, participating partners in the reduction, reuse, recycling, management, collection, and disposal of the Region's solid waste.
2. It is the goal of the Shiloh Regional Solid Waste Planning Region to reduce, reuse and/or recycle as much of the Region's waste as practical.
3. It is the goal of the Shiloh Regional Solid Waste Planning Region to dispose of the remaining solid waste in an environmentally safe manner as inexpensively as possible, considering all factors.
4. It is the goal of the Shiloh Regional Solid Waste Planning Region to provide adequate collection services to its residents.

Objectives

1. It is the objective of the Shiloh Regional Solid Waste Planning Region to present information concerning our goals to the citizens of the Region.
2. It is the objective of the Shiloh Regional Solid Waste Planning Region to educate both adults and children to the importance of solid waste reduction, reuse, recycling, and the environmental safe disposal of the remaining solid wastes.
3. It is the objective of the Shiloh Regional Solid Waste Planning Region to assist our industries, commercial business, and institutions to reduce, reuse and/or recycle their wastes as much as practical.

All new programs, services, and facilities will be coordinated with the existing system. The conversion from "green boxes" to convenience centers has already begun.

An implementation schedule is shown on Table 11-2, reproduced in this section.

The responsibilities of the existing solid waste system rests with the county executive and county commissions and will continue to do so unless an authority is formed. It is recommended that a Solid Waste Authority be formed. If an authority is established, the authority should be responsible for the implementation of this plan.

Shiloh Area Solid Waste Planning Region
 10-Year Solid Waste Plan
 01/14/94

**TABLE 11-2
 Implementation Schedule
 Shiloh Region**

Task	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Form a Solid Waste Authority	✓									
Submit 10 year plan	✓									
McNairy County landfill operator certified	✓									
Establish Class III/IV Landfill in McNairy, Hardin, & Wayne Cos.	✓	✓								
Hire coordinator for each county	✓									
Educational program	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Collection of household hazardous wastes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Industrial waste separation & reduction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Establish advisory board	✓									
Establish speaker's bureau	✓									
Establish mobile collection bins for recycling					✓	✓	✓	✓	✓	✓
Establish recycling center		✓								
Convert from green boxes to roll off containers with stationary compactors		✓	✓							
Determine if a regional landfill or transporting to a commercial landfill is best. If a Regional landfill is developed, see schedule, Table 8-18.	✓									

Table 8-13
Alternative Transportation and Disposal Costs To Area Landfills and Refuse Derived Fuel Alternative Summary

Landfill	Chester			Hardin			Refuse Derived Fuel System Least Cost Alternative ⁴	
	Transportation Cost ¹	Transfer Station Cost ²	Tipping Fee ³	Total Cost/Ton	Transportation Cost (with/without bridge) ¹	Transfer Station Cost ²		Tipping Fee ³
West Camden	\$16.11	\$13.30	\$27.00	\$56.41	\$17.19/\$17.19	\$7.39	\$27.00	\$51.58/\$51.58
BFI	\$18.78	\$13.30	\$25.00	\$57.08	\$39.64/\$39.64	\$7.39	\$25.00	\$72.03/\$72.03
Kirk	\$11.36	\$13.30	\$20.85	\$45.51	\$23.99/\$15.04	\$7.39	\$20.85	\$52.23/\$43.28
Decatur Co.	\$9.41	\$13.30	\$28.00	\$50.71	\$12.27/\$11.36	\$7.39	\$28.00	\$47.66/\$46.75

Landfill	McNairy			Wayne			Refuse Derived Fuel System Least Cost Alternative ⁴	
	Transportation Cost ¹	Transfer Station Cost ²	Tipping Fee ³	Total Cost/Ton	Transportation Cost (with/without bridge) ¹	Transfer Station Cost ⁵		Tipping Fee ³
West Camden	\$19.82	\$7.60	\$27.00	\$54.42	\$19.33/\$17.19	\$0	\$27.00	\$46.33/\$44.19
BFI	\$39.64	\$7.60	\$25.00	\$72.24	\$42.77/\$35.56	\$0	\$25.00	\$67.77/\$60.56
Kirk	\$15.04	\$7.60	\$20.85	\$43.49	\$33.38/\$29.21	\$0	\$20.85	\$54.21/\$50.06
Decatur Co.	\$13.63	\$7.60	\$28.00	\$49.23	\$18.26/\$10.59	\$0	\$22.00	\$40.26/\$32.59

1. Based on Tables 8-8, 8-9, 8-10 or 8-11

2. Based on Table 8-12.

3. Based on Table 8-6.

4. Based on Table 9.2, following page 11, "Engineering & Economic Study Regional Recycling and Refuse Derived Fuel Facility South Central Tennessee for Hardin, Lawrence, Lewis and Wayne Counties, Tennessee," March 1993, Draper Aden Associates, Nashville, Tennessee.

5. Wayne County already has a Baler which serves as a transfer station

Table 8-15
Total Regional Landfill Cost Per Ton

County	Transportation Cost ¹	Transfer Station Cost ²	Disposal Cost with All Counties ³	Total Cost with All Counties	Disposal Cost without Wayne County ⁴	Total Cost without Wayne County
Chester	\$1.83	\$0 ⁵	\$25	\$26.83	\$27	\$28.83
Hardin	\$13.26	\$7.39	\$25	\$45.65	\$27	\$47.65
McNairy	\$7.71	\$7.60	\$25	\$40.31	\$27	\$42.31
Wayne	\$20.06	\$0 ⁶	\$25	\$45.06	N/A	N/A

1. From Table 8-14

2. From Table 8-12

3. From "Guidelines for Decision Makers: Solid Waste Management", The University of Tennessee County Technical Assistance Service, November, 1991. Based on 131 tons per day contribution to the landfill as outlined for 1994 in Tables 8-1, 8-2, 8-3 and 8-4.

4. From "Guidelines for Decision Makers: Solid Waste Management", The University of Tennessee County Technical Assistance Service, November, 1991. Based on 106 tons per day contribution to the landfill as outlined for 1994 in Tables 8-1, 8-2 and 8-3.

5. A transfer station is not needed with the landfill in the County.

6. Wayne County already has a bailer facility which serves as a transfer station.

PART II

INTRODUCTION

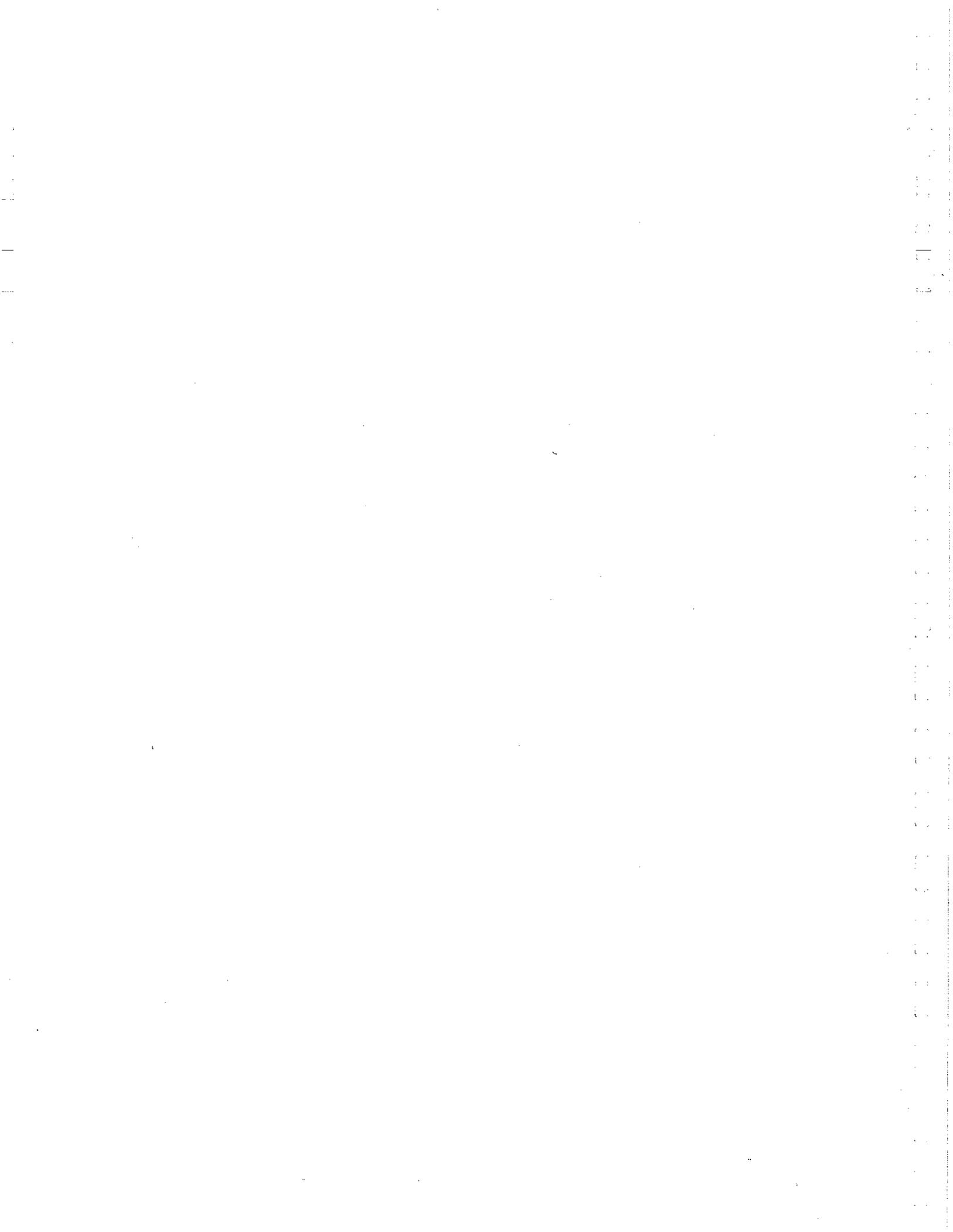
The Shiloh Regional Solid Waste Planning Region was formed to determine how best to deal with the solid waste needs of the region for the next 10 years. Part II of this plan examines all aspects of the region's waste problem.



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Chapter 1

Description of the Municipal Solid Waste Region

General

The Shiloh Solid Waste Region consists of Chester, Hardin, McNairy and Wayne counties. These counties lie adjacent to one another in southwest Tennessee. Wayne, Hardin and McNairy counties border the Mississippi and Alabama state lines to the south with the counties lying east to west in respective order. Chester County lies along McNairy County's northern border and Hardin County's western border. See figure 1-1. These counties combine for a total regional area of 2161 square miles.

Chester County is the smallest of the four counties in the region containing 289 square miles. Henderson is the only town with a population exceeding 1,000 and is the county seat. State Highway 100 bisects the county running east and west and US Highway 45 bisects the county running north and south.

Hardin County is the central of the four counties and covers an area of 578 square miles. The county is bordered by Wayne County on the east and McNairy County on the west. The county seat is Savannah. The county is bisected by the Tennessee River running north and south and by US Highway 64 running east and west. Hardin county contains two cities with populations greater than 1,000, these being the cities of Savannah and Crump.

McNairy County lies adjacent to and west of Hardin County and covers an area of 560 Square miles. Selmer is the county seat. The county is bisected by US Highway 45 running north and south and US Highway 64 running east and west. The county contains two cities with populations greater than 1,000, these being the cities of Selmer and Adamsville.

Wayne County is the easternmost and largest county in the region. The county lies adjacent to and east of Hardin County with the Alabama state line as the southern border. The county covers 734 square miles with the town of Waynesboro being the county seat. The county has two cities with a population of greater than 1,000, these being Waynesboro and Collinwood. The county is also bisected by US Highway 64 running east and west.

Figure 1-2 shows the region including the corporate limits, major highways and major geographical features of the area.

Tennessee

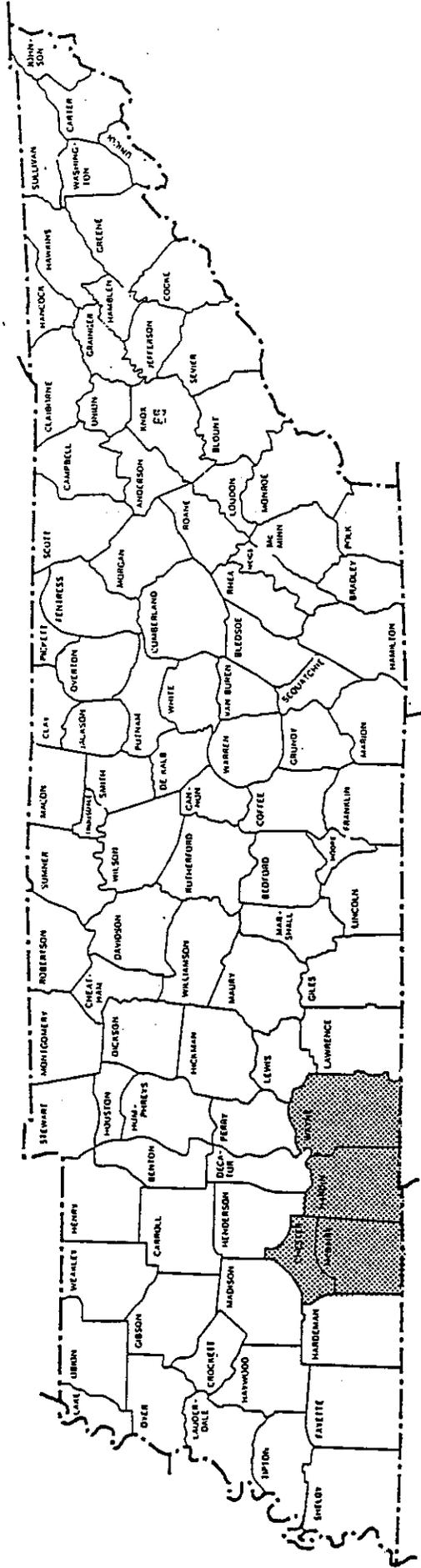
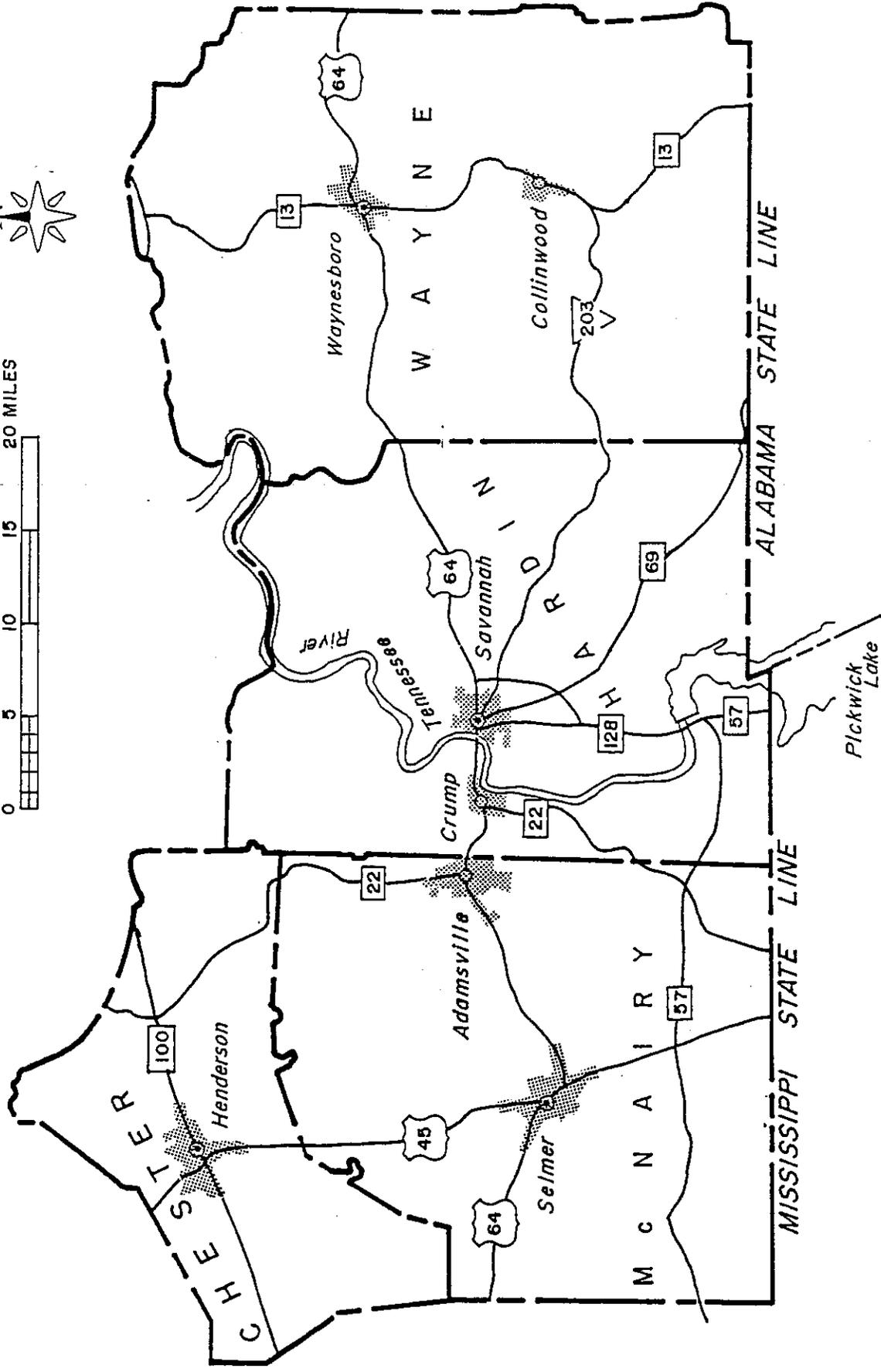
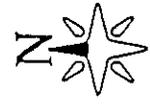


FIGURE 1-1
LOCATION MAP FOR
SHILOH SOLID WASTE REGION



- COUNTY SEAT
- CITY
- ▭ INTERSTATE ROUTE
- ▭ US ROUTE
- ▭ TN STATE PRIMARY

FIGURE 1-2

MAJOR CITIES AND HIGHWAYS
FOR

CHESTER, HARDIN, MCNAIRY, AND WAYNE COUNTIES

Regional Formation and Institutional Structure

In considering various regional options, the creation of an efficient and practical region was essential. Several counties working in conjunction can minimize the costs to each entity and allow each to work more cheaply and efficiently. For practical reasons, a limit of four counties within the region was established. It was decided that this limit would allow for maximum efficiency while maintaining a small, workable solid waste area and keeping municipal participation on a manageable level.

The counties within this region lie adjacent to one another and three of the four counties are bisected by a single major highway, US Highway 64. This allows for easy solid waste management between the counties and aids in lowering transportation costs. These counties are also familiar with one another and the municipal governments can easily communicate and empathize with various regional considerations.

The Shiloh Regional Solid Waste Planning Committee consists of members from each county and major municipality within the region. A lists these members by County affiliation is contained on the following page.

Shiloh Regional Solid Waste Planning Committee

Name	Address	County Affiliation
Anthony Bolton County Executive	PO Box 296 Henderson, Tn 38340	Chester
Wade Cox	420 Mill Street Henderson, Tn 38340	Chester
Eddie Patterson Mayor	PO Box 68 Henderson, Tn 38340	Chester
Jim Garey(Chairman) Vice Mayor	906 Poplar Street Savannah, Tn 38372	Hardin
J.B. Stricklin County Commissioner	Route 5 Savannah, Tn 38372	Hardin
James B. Smith	65 Birdie Lane Olive Hill, Tn 38475	Hardin
C.C. Thompson	Thompson Drive Crump, Tn 38327	Hardin
Bob Polk(Secretary) City Manager	1020 Main Street Savannah, Tn 38372	Hardin
Jimmy Whittington Mayor	144 North 2nd Street Semer, Tn 38375	McNairy
Dan Ward City Commissioner	PO Box 410 Adamsville, Tn 38310	McNairy
Maurice Hamm County Commissioner	3 Mollie Drive Selmer, Tn 38375	McNairy
Charles Ellis County Commissioner	Route2 Box 912 Selmer, Tn 38375	McNairy
Ed Mathis (V. Chrmn)	Route 1 Box 335 Waynesboro, Tn 38485	Wayne
George Wallace	PO Box 73 Collinwood, Tn 38450	Wayne
Sonny Corn	PO Box 717 Waynesboro, Tn 38450	Wayne
Ex Officio		
Kim Stricklin County Executive	County Courthouse Savannah, Tn 38372	Hardin
Coy Anderson County Executive	PO Box 206 Waynesboro, Tn 38485	Wayne
Houston Thrasher County Executive	County Courthouse Selmer, Tn 38375	McNairy

This committee is responsible for all planning and coordinating of the solid waste region and all proposals contained within this plan. The general public is kept advised of the Committee's progress through the local media and by attending the regularly scheduled meetings.

Demographics

The Shiloh Solid Waste Region has a population of 71,891 and a population density of 33.27 persons per square mile as determined by 1993 Census projections. Tables 1-1 through 1-6, at the end of this section, show the population distribution by county and region as recorded in each county's Solid Waste Needs Assessment Plan as compiled by the respective regional development districts.

The population of the region is expected to remain fairly stable, decreasing by less than 1% over the next ten years. The effect of population on solid waste generation should, therefore, be minimal.

**Table 1-1
 Population and Population Density
 IN 1993**

County	Area (Sq. Miles)	Population	Avg. Density (Population/Sq. Mi)
Chester	289	12,828	44.39
Hardin	578	22,799	39.44
McNairy	560	22,340	39.89
Wayne	734	13,924	18.97
Regional Total	2,161	71,891	33.27

** from Needs Assessment, Table I-7*

**Table 1-2
 Regional Population by Urban and Rural Areas**

County	Urban		Rural	
	Population	%	Population	%
Chester	4763	37.13	8064	62.87
Hardin	6592	28.91	16,207	71.09
McNairy	3834	17.13	18,506	82.87
Wayne	2838	20.37	11,086	79.63
Regional Total	18,028	25.07	53,863	74.93

** from Needs Assessment, Table I-3*

Table 1-3
Distribution of Population by Sex and Age

Age	Total	Male	%	Female	%
0-4	4504	2333	51.811	2171	48.189
5-17	13,261	6838	51.563	6423	48.437
18-44	27,537	13,517	49.087	14,020	50.913
45-64	15,476	7500	48.460	7976	51.540
65+	11,113	4538	40.838	6575	59.162
Regional Total	71,891	34,726	48.305	37,165	51.695

** from Needs Assessment, Table I-4*

Table 1-4
Distribution of Population by Education
(age 25 or Older)

	Number	%
Less than 9th Grade	11,620	35.773
High School (1-4)	16,895	52.012
Associate Degree	1154	3.553
College Degree	1691	5.206
Post Graduate/Professional (>4)	1123	3.457
Regional Total	32,483	100.000

** from Needs Assessment, Table I-5*

Table 1-5
Distribution of Population by Type of Housing and Occupancy

	Total Persons	Occupied	Owner	Rented
Single Family				
1, Detached	55,309	55,309	45,781	9528
1, Attached	461	461	309	152
Multi-Family				
2	780	780	333	447
3-4	516	516	47	469
5-9	561	561	46	515
10-19	236	236	10	226
20-49	187	187	6	181
50 or more	0	0	0	0
Institutional	1757	1757	0	0
Mobile Home/Trailer	11,066	11,066	8788	2278
Other	720	720	526	194
Regional Total	71,793	71,793	55,846	15,947

** from Needs Assessment, Table I-6, Table is labeled housing units but appears to be population.*

Table 1-6
Regional Population Projections

Regional Population in 1993 = 71,891

Projected Year	County				Regional Total
	Chester	Hardin	McNairy	Wayne	
1994	12,831	22,854	22,313	13,921	71,919
1995	12,834	22,909	22,286	13,917	71,946
1996	12,837	22,965	22,259	13,913	71,974
1997	12,840	23,021	22,232	13,910	72,003
1998	12,843	23,076	22,205	13,906	72,030
1999	12,846	23,132	22,178	13,903	72,059
2000	12,849	23,188	22,151	13,899	72,087
2001	12,845	23,207	22,088	13,873	72,013
2002	12,841	23,226	22,026	13,849	71,942
2003	12,837	23,244	21,964	13,823	71,869

** from Needs Assessment, Table I-7*

Economic Activity

Chester County lies between McNairy and Madison Counties. Both these adjacent counties are expected to experience economic growth in the service and manufacturing areas. Chester County should expect to receive growth due to the overflow from these industries. This will increase waste generation for the county.

Hardin County contains the Tennessee River, Pickwick Dam and Pickwick State Park, all popular tourist attractions. These areas are expected to attract tourist related industries to the area such as hotels and restaurants. The tourists and related industries are expected to produce a modest increase in waste generation over the next ten years.

McNairy County has been actively pursuing industries to locate in the county. This includes such activities as improving the industrial parks located in Selmer and Adamsville and aiding industries in acquiring the needed financing to relocate. As new industries locate in the county the activities and increased employment will increase waste generation and capacity needs.

Wayne County currently contains a new, privately operated prison which opened in 1992. This is expected to slightly increase solid waste generation over the next decade. The county population is expected to decrease over this time thereby decreasing the waste generated. The combined effect of these factors is that no significant change in solid waste generation is expected over the next ten years.

As a region, these counties, and this area of the state, are expected to undergo a mild period of economic growth. This growth, in conjunction with the fairly stable population within the region, is expected to produce a slight increase in waste generation for the region.

Tables 1-7 through 1-14, on the following pages, show the major economic characteristics of the region as recorded in each county's Solid Waste Needs Assessment Plan as compiled by the respective regional development districts.

**Table 1-7
 Basic Economic Information**

County	Population (1993)	MSA County (Y/N)	Total Employment	Total Earnings (\$)	Per Capita Income (\$)	% Population Below Poverty Level
Chester	12,828	No	4457	147,850,000	11,525	18.9
Hardin	22,799	No	9933	262,896,000	11,531	20.0
McNairy	22,340	No	10,012	274,405,000	12,283	20.3
Wayne	13,924	No	5541	145,009,000	10,414	18.7
Regional Total	71,891		29,943	830,160	11,547	19.6

** from Needs Assessment, Page 2-2*

**Table 1-8
 Non-Agricultural Employment
 as a
 Percent of Total Employment**

County	Manufacturing	Construction	Trade	Finance	Service	Govt.	Transportation/Pub. Utilities
Chester	1122	274	791	202	775	639	113
Hardin	3373	500	2022	289	1045	1566	237
McNairy	3630	319	1223	468	1733	1187	410
Wayne	2171	91	680	200	652	773	125
Regional Total	10,296	1184	4716	1159	4205	4165	885
%	38.69	4.45	17.72	4.36	15.80	15.65	3.33

** from Needs Assessment, Table II-1*

**Table 1-9
 Agricultural Employees**

County	Employment
Chester	1002
Hardin	828
McNairy	531
Wayne	833
Regional Total	3194

** from Needs Assessment, Page 2-2*

Table 1-10
Major Waste Generators:
COMMERCIAL AND NON-HAZARDOUS INDUSTRIAL WASTES

County	Screening Criteria Applied	Number of Generators	Estimated Total Quantity of Waste
Chester	> 50 Employees	0	0
Hardin	> 50 Employees	0	0
McNairy	> 100 Employees	0	0
Wayne	> 50 Employees	0	0
Regional Total		0	0

* from Needs Assessment, Page 2-3

Table 1-11
Institutions Housing More Than 100 Persons

County	Total Number of Institutions	Total Number of Students/ Prisoners/ Residents	Estimated Quantity of Waste Generated
Chester	1	831	0
Hardin	0	0	0
McNairy	0	0	0
Wayne	2	1017	0
Regional Total	3	1847	0

* from Needs Assessment, Table II-3

Table 1-12
Major Health Care Facilities
(> 50 BEDS)

County	Number of Facilities	Number of Beds	Infectious Waste Management OnSite/OffSite Type Treatment		Est. Qty of Solid Waste Generated (T/yr)
Chester	1	89	offsite	n/a	115
Hardin	6	330	offsite	n/a	452
McNairy	2	152	offsite	n/a	270
Wayne	2	196	offsite	n/a	300
Regional Total	11	767	--	n/a	1137

* from Needs Assessment, Table II-4

Table 1-13
Local Revenue Utilized by the Region

County	Property Tax	Local Sales Tax	Wheel Tax	Local Waste Collection Fee	User Fee/ Tipping Fee	Other
Chester	X	X	X	X	X	
Hardin	X	X	X	X	X	
McNairy	X	X	X	X (in city)	X	
Wayne	X	X	X	X	X	

** from Needs Assessment, Pages 2-5, 2-6*

Table 1-14
Regional Fiscal Information

County	Total Assessed Property Value	Total Property Tax Revenue	Total Sales Subject to Sales Tax	Total Local Sales Tax Revenue	Number of Registered Vehicles	Total Wheel Tax Revenue
Chester	147,850,000	1,380,000	52,543,498	897,329	n/a	125,000
Hardin	262,896,000	4,131,000	150,172,578	1,837,751	n/a	193,875
McNairy	274,405,000	3,424,000	120,416,992	1,799,003	n/a	n/a
Wayne	252,538,207	1,857,645	71,926,600	724,899	n/a	119,504
Regional Total	937,689,207	10,792,645	395,059,668	5,258,982	---	313,504

** from Needs Assessment, Pages 2-5, 2-6*

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Chapter 2 Analysis of the Current Solid Waste Management System for the Region

Waste Stream Characterization

The economic base and other area conditions can have significant effects on an areas waste generation. The Shiloh Solid Waste Region possesses an economic base consisting mainly of manufacturing, tourism and timber related industries. This diversified economy should sustain a relatively stable waste stream.

These activities, and their related industries, could effect the waste stream in some instances. Also, the amounts of yard waste disposed of in the region may also be reduced due to residents burning these wastes in rural areas.

While, these factors may affect the composition of waste stream as compared to national norms, the stream is not expected to deviate significantly in composition.

Waste Collection and Transportation Systems

In this section the existing solid waste collection and transportation systems of each county and the region as a whole will be discussed.

Chester County Collection and Transportation System

The current Chester County solid waste collection system consists of convenience centers, municipally operated door-to-door collection, and privately contracted household pick-ups. While this system provides service to the more heavily populated areas, it leaves many rural sections of the county underserved.

Henderson is the only municipality to provide collection within the corporate limits. No service is provided by the city outside their corporate limits. This system serves approximately 1535 households and 297 businesses. The pick-up schedule is twice per week for residential and three times a week for commercial service. The average distance from the convenience center/transfer station is two miles. The waste is collected and transported to the McNairy County Landfill for disposal.

Several private companies provide collection by contracting directly with households and businesses. These companies and the households served are listed below.

<u>Company</u>	<u># Customers Served</u>
Waste Management	20
Grinnel Corp.	1
Sanitation Service	450
Freed-Hardeman University	1
Gatewood Green	102
Glynn Wallace	26
T.J. Jenkins	85

The county maintains two convenience centers which began operation in November of 1992. These centers were established to serve the 2360 households in the county which previously had no service. These centers have compactors and bins for wood, metals, and other waste. These centers have been enthusiastically accepted by the community and residential satisfaction has been overwhelming.

Using a standard rate of waste generation of six pounds per person per day, it is estimated that roughly 4151 tons of waste go uncollected each year within the county. According to the Needs Assessment, of the households with unmanaged waste, 600 households bury their waste on their own land and 1000 households burn the majority of their waste. Also approximately 600 tons of waste is located in the twelve illegal dump sites in the county. It is expected that these numbers will decrease significantly now that convenience centers are being made available to serve rural areas.

Hardin County Collection and Transportation System

The existing Hardin County solid waste collection system consists of green boxes, municipally operated door-to-door collection, privately contracted business pick-ups and convenience centers. These systems work jointly to provide some service to the entire county. To aid in the coordination of the county wide system and implementation all aspects of this plan, Hardin County has employed a Solid Waste Director responsible for overseeing all solid waste activities.

The City of Savannah provides house-to-house pick-up within the city limits. This system provides service to 2500 households. Waste is collected once per week and transported to the disposal site, the Savannah/Hardin County Landfill, roughly 7 miles away. The Savannah/Hardin County Landfill is scheduled to close in early 1994. After this time, the waste will be transported to the McNairy County Landfill.

Businesses in the city contract with Waste Management, Inc., for waste disposal. Waste Management, Inc., currently serves approximately 155 businesses.

The county maintains 93 green box locations containing 202, six cubic yard containers. The boxes serve roughly 6226 households in rural parts of the county. These boxes are emptied from one to five times a week, depending on use and location, and the waste is disposed of in the Savannah/Hardin County Landfill. The estimated waste collected in these boxes is unknown. The green box sites have experienced problems with litter, odors, rats, fires, scavenging and aesthetics. Convenience centers are currently being established to replace the green boxes throughout the county. A convenience center is currently in operation in the City of Crump.

Using a standard rate of waste generation of six pounds per person per day, it is estimated that roughly 1543 tons of waste go uncollected each year within the county. According to the Needs Assessment, of the households with unmanaged waste no households bury their waste on their own land but 300 households burn the majority of their waste. No illegal dump sites are known to exist in the county.

McNairy County Collection and Transportation System

The existing McNairy County solid waste collection system consists of green boxes, municipally operated door-to-door collection and privately contracted household pick-ups. These systems work jointly to provide at least minimal service to the entire county.

Two municipalities provide collection within the corporate limits. These cities are Adamsville and Selmer. No service is provided by these municipalities outside the city limits. In Adamsville, 695 households and 120 businesses are served. The collection schedule is twice a week. In Selmer, households and businesses are served by collection trucks once day a week.

One private company provides collection service by contracting directly with householders and businesses. Asco Sanitation currently serves 1550 households and businesses, hauling roughly 704 tons per year to the McNairy County Landfill.

The county maintains 60 green box locations containing 203, six cubic yard containers. The boxes serve households in rural parts of the county. These boxes are emptied five days a week and the waste disposed of in the McNairy County Landfill. The estimated waste collected in these boxes is unknown. The green box sites have experienced only minor problems and generally are well maintained. No convenience centers currently exist in the county.

Using a standard rate of waste generation of six pounds per person per day, it is estimated that 4,446 tons of waste goes uncollected each year within the county. According to the Needs Assessment, of the households with unmanaged waste none bury their waste on their own land and burning of waste is uncommon. There are no known illegal dump sites in the county.

Wayne County Collection and Transportation System

The existing Wayne County solid waste collection system consists of convenience centers, privately contracted municipal door-to-door collection, and privately contracted household pick-ups. These systems provide service to the entire county.

Several municipalities contract with private companies to provide collection within the corporate limits. No service is provided by the cities outside their corporate limits. These cities are Waynesboro, Collinwood and Clifton. Waynesboro contracts with Asco Sanitation. Collinwood and Clifton contract with Anthony Smith. These systems serve approximately 1340 households and 95 businesses within the various cities. The pick-up schedule is weekly for residential service. The average distance from the baler/transfer station is eleven miles. The waste collected is transported to the Wayne County Baler Transfer Station before disposal at the McNairy County Landfill.

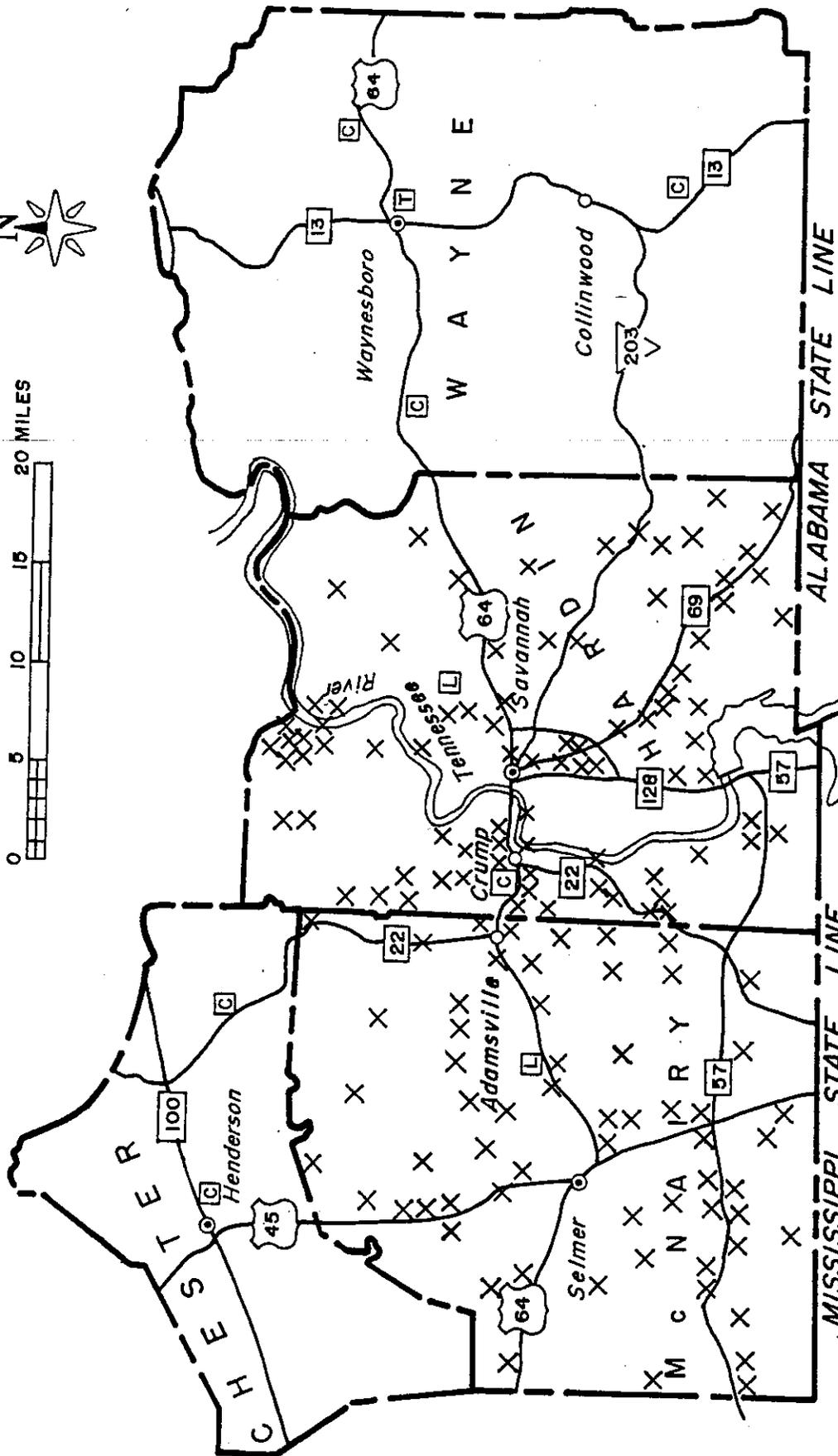
Several private companies provide collection by contracting directly with households and businesses. These companies and the households served are listed below.

<u>Company</u>	<u># Households and Businesses Served</u>
Waste Disposal Services	26
Wayne County Nursing Home	1
Household Commercial Garbage	630

The county maintains three convenience centers. These centers were established to serve the 3208 households in rural areas of the county. These centers have one five cubic yard container each. These centers collect approximately 13.0 tons/day of operation. The county also operates pick up trucks which locate themselves at a series of locations on a regular schedule and act as "mobile convenience centers" serving rural parts of the county.

Using a standard rate of waste generation of six pounds per person per day, it is estimated that roughly 10,810 tons of waste go uncollected each year within the county. According to the Needs Assessment, of the households with unmanaged waste, 500 households bury their waste on their own land and 500 households burn the majority of their waste. There are no known illegal dump sites in the county.

Tables 2-1 through 2-5 show the current county and regional solid waste characteristics as reported by the development district's Solid Waste Needs Assessment Plans. Figures 2-1 and 2-2 contain regional maps showing the locations of these systems.



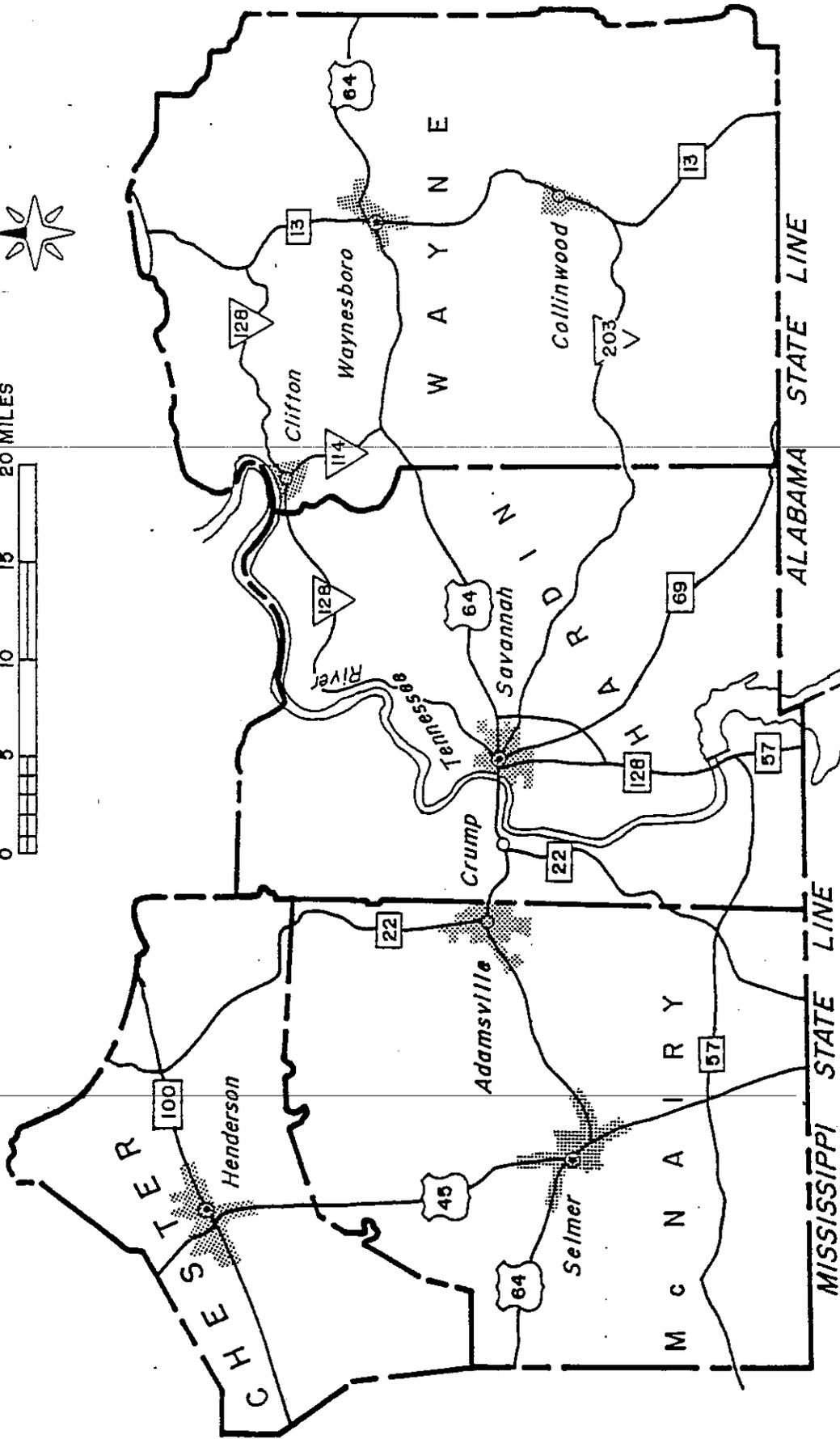
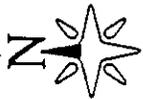
LEGEND

- ⊙ COUNTY SEAT
- CITY
- ◡ INTERSTATE ROUTE
- ◡ US ROUTE
- ◡ TN STATE PRIMARY
- ◡ PERMITTED CLASS I LANDFILL
- X GREEN BOX
- ◡ TRANSFER STATION
- ◡ CONVENIENCE CENTER

FIGURE 2-1

EXISTING SOLID WASTE MANAGEMENT SYSTEM FOR

CHESTER, HARDIN, McNAURY, AND WAYNE COUNTIES



LEGEND

- COUNTY SEAT
- CITY
- ▭ INTERSTATE ROUTE
- ▭ "S ROUTE
- ▭ TN STATE PRIMARY
- ▭ TN STATE SECONDARY
- ▭ COLLECTION AREA

FIGURE 2-2

MUNICIPAL SOLID WASTE COLLECTION SYSTEMS

FOR

CHESTER, MADISON, AND WAYNE COUNTIES

Table 2-1
Quantity of Solid Waste Received for Disposal/Incineration
In Calendar 1991

County	Tons Disposed (Tons/Year)	Population (1991)	Waste Disposed Per Capita	
			Tons/capita/yr	Pounds/capita/yr
Chester	9,889	12,822	0.771	1542
Hardin	23,300	22,688	1.027	2054
McNairy	20,075	22,394	0.896	1792
Wayne	4,444	13,931	0.319	638
Regional Total	57,708	71,835	0.803	1606

** from Needs Assessment, Page 3-1*

Table 2-2
Origin of Regional Solid Waste in 1991
(Tons per Year)

County	Residential	Institutional/ Commercial	Non- Hazardous Industries	Special	Other
Chester	4360	5529	0	10	0
Hardin	13,980	6990	2330	0	0
McNairy	10,038	6022	4015	0	0
Wayne	2222	1111	1111	0	0
Regional Total	30,600	19,652	7456	0	0

** from Needs Assessment, Table III-1*

Table 2-3
Acceptance of Categorical Solid Waste for Disposal/Incineration

County	Yard Waste (Clippings, leaves,grass)		Sewer Sludge		Construction Demolition		Tires		White Goods	
	y/n	Qty	y/n	Qty	y/n	Qty	y/n	Qty	y/n	Qty
Chester	N	0	N	0	N	0	N	0	N	0
Hardin	N	0	N	0	N	0	N	0	N	0
McNairy	N	0	N	0	N	0	N	0	N	0
Wayne	N	0	N	0	N	0	N	0	N	0
Regional Total	N	0	N	0	N	0	N	0	N	0

** from Needs Assessment, Table III-2*

Table 2-4
Description of Waste Stream by Materials

Waste Category	National %	Calculated Regional Tons
Paper & paperboards	40.0	23,105
Glass	7.0	4044
Ferrous Metals	6.5	3755
Aluminum	1.4	809
Other Non-Ferrous Metals	0.6	347
Plastics	8.0	4621
Rubber & Leather	2.5	1444
Textiles	2.1	1213
Wood	3.6	2080
Food Waste	7.4	4275
Yard Waste	17.6	10,167
Misc Inorganic Waste	1.5	866
Other	1.7	982
Total Municipal Solid Waste	100.0	57,708

** from Needs Assessment, Table III-3*

Table 2-5
Unmanaged Waste
 (Tons per Year)

County	Potential Waste Generation 1991	Actual Waste Disposed 1991	Unmanaged Waste 1991	Percent of Potential Total
Chester	14,040	9889	4151	29.57
Hardin	24,843	23,300	1543	6.21
McNairy	24,521	20,075	4446	18.13
Wayne	15,254	4444	10,810	70.87
Regional Total	78,658	57,708	20,950	26.63

* from Needs Assessment, Table III-5

Source Reduction and Recycling Systems

The region's source reduction and recycling systems generally consist of community and organizational recycling drives. These are manned and operated by public school sponsored organizations and non-profit civic organizations. For-profit salvage businesses also exist within the region. Also, cities within the region are beginning to establish municipally operated recycling systems on an individual basis.

Chester County's sole recycling facility is a privately owned salvage company which deals in cardboard and aluminum cans. It is West Tennessee Recycling in Henderson, which is a commercial recycler. MKD, Inc. in Enville, is the sole industry with a program to collect and recycle its cardboard and non-ferrous metals. The City of Henderson employs a Recycling Coordinator and is currently conducting a preliminary feasibility study into recycling options. No county, school or civic organizations are currently involved in recycling or waste reduction within the county. The county employs one man, Ed Rowland, for this purpose. From December, 1992, to September, 1993, Chester County recycled 79.0 tons or 2.45% of the collected waste stream.

Hardin County currently possesses no commercial recycling facilities. H.I.S. Sportswear, in Saltillo, is the only industry recycling its cardboard, plastics and metals. Savannah is currently examining the option of curb side recycling inside the city limits. No county, school or civic organizations are presently involved in recycling or waste reduction within the county.

McNairy County recycling facilities include four commercial recyclers, these being Smith Metals Co., Inc. in Selmer, Belk's Scrap Metals, Inc. in Michie, Hills Recycling in Adamsville and Brother's Recycling in Adamsville. Several industries currently recycle scrap material. These are listed as follows.

<u>Industry Name</u>	<u>Location</u>	<u>Materials Recycled</u>
East-West Motor Freight	Selmer	Motor Oil
Spectrum Acquisitions, Inc	Selmer	Cardboard, Plastics
Garan, Inc	Adamsville	Fabrics
Otis Industries	Ramer	Aluminum Cans
Pickwick Electric Coop.	Selmer	Copper, Aluminum
Aqua Glass Corporation	Adamsville	Cardboard

McNairy County operates one recycling drop-off site on US Highway 64 between Selmer and Adamsville. Adamsville is currently operating a curb side recycling system inside the city limits. This system provides a once a week recyclable pick-up service. No school or civic organizations are currently involved in recycling or waste reduction within the county.

Wayne Co. has a wide array of recycling programs in operation. This includes curb-side recycling, roving drop-off containers, industrial recycling, commercial recyclers and educational programs.

Wayne County operates a system of drop-off points for recyclable materials. This consists of TVA trailers which are moved between sites throughout the county. The Cities of Waynesboro, Clifton and Collinwood operate systems of curb-side recycling within their city limit. These facilities collect approximately 327 tons of recyclable each year. These materials are baled at the Wayne baling facility in Waynesboro and shipped to market primarily in Alabama. This represents approximately 6.9% of the collected solid waste.

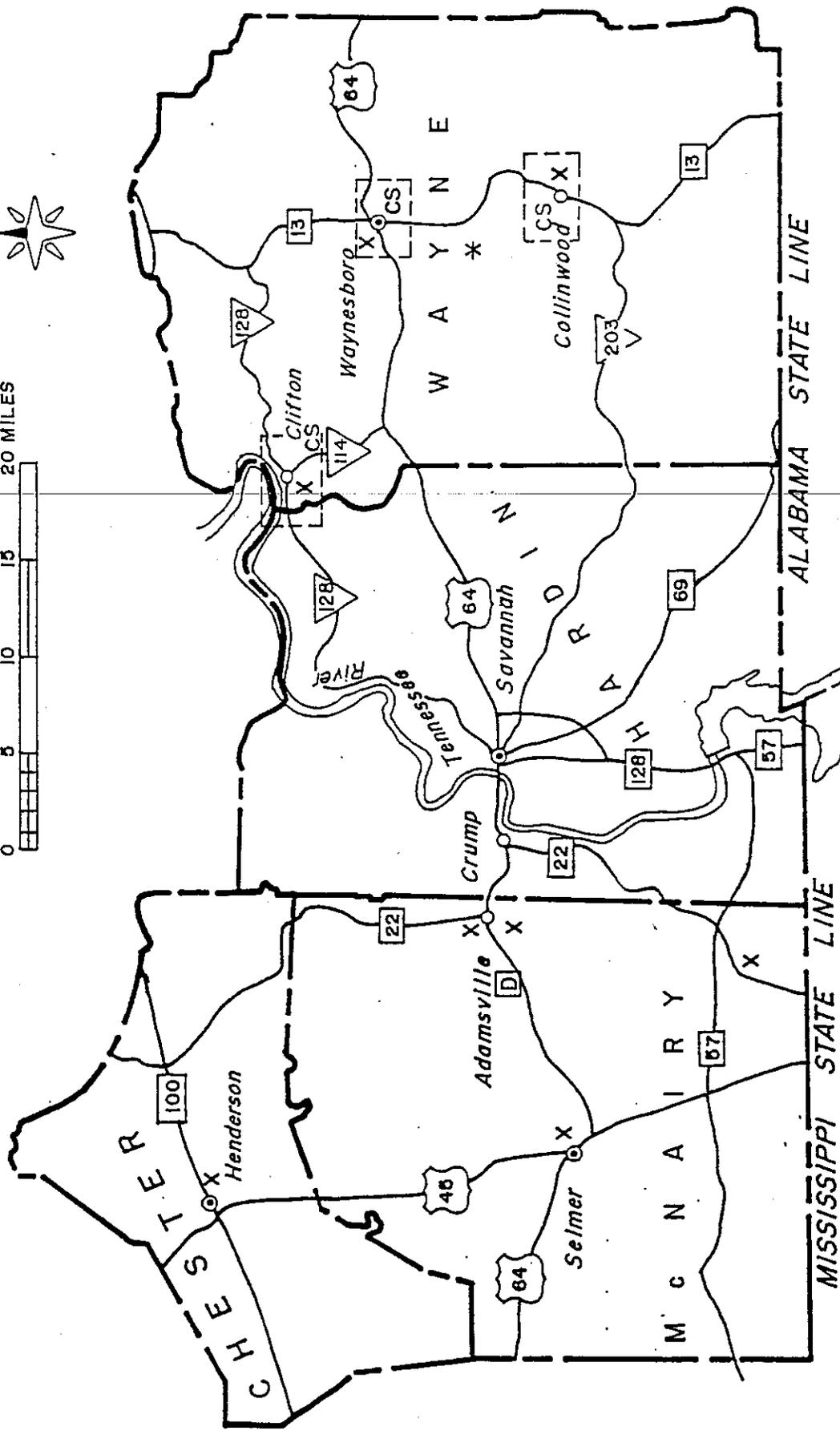
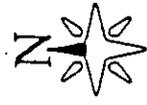
Wayne County educational programs consist of in school programs twice per year and monthly radio announcements advertising the location and hours of the drop-off bins.

Three industries in Wayne County recycle waste materials. These are Wayne Co. Ind./Com. in Waynesboro which recycles glass, aluminum and plastics, and Hassel & Hughes Lumber and C-Wood Lumber, Inc. in Collinwood which recycle wood products.

Four commercial recyclers serve Wayne County. These recyclers are Wayne Recycling in Collinwood, Clifton Laminated Rubber in Clifton, Buffalo River Services in Waynesboro, and Huntsville Recycled Fiber in Huntsville, Alabama, which accepts the county and city recyclables discussed previously.

The region as a whole has a limited recycling system. Each county has plans to establish more recycling facilities, the majority of these being drop-off bins. These bins will be placed strategically throughout the counties at convenience centers, schools and major department store parking lots. Some cities are also examining the option of curbside pick-up.

Regional coordination and cooperation could aid in collection and community education to boost recycling quantities. Regional equipment sharing could possibly be used to reduce the costs to each county. Community education and involvement will be critical to the project success. Therefore, regional programs, through area schools and civic organizations, should be implemented for this purpose. Figure 2-3 shows these facilities and their locations throughout the region.



LEGEND

- COUNTY SEAT
- CITY
- INTERSTATE ROUTE
- US ROUTE
- TN STATE SECONDARY
- CURB SIDE
- DROP-OFF SITE
- COMMERCIAL RECYCLERS

FIGURE 2 - 3

SOURCE REDUCTION AND RECYCLING FACILITIES
FOR
SHILOH SOLID WASTE REGION

Waste Processing, Composting and Incineration Systems

Only one such facility is located within the Shiloh Solid Waste Region. The Wayne County Bale Facility, in Waynesboro, serves as a processing center for Wayne County and the three largest cities in Wayne County. This facility is designed to process 96 tons per day and has an actual throughput of 18 tons per day. Both unsegregated waste and recyclables are sent to the center, baled and transported either to market or the McNairy County Landfill. No other waste processing, composting or incineration facilities operate in the region.

Disposal Facilities

The region contains three Class I landfills and one Class II landfill. The Class I landfills are the McNairy County Landfill located between Adamsville and Selmer and the Savannah/Hardin County Landfill located northeast of Savannah. The Chester County Landfill located near Henderson has been closed and the Savannah/Hardin County Landfill will close in 1994. The Class II landfill is operated by Aqua Glass Corporation in Adamsville.

Table 2-6 lists these facilities, their current use and the remaining capacities of these facilities.

Table 2-6
Existing Municipal Solid Waste Landfills in the Region

County	Name of Landfill	Location	Permitted Capacity, tons	Current Rate of Waste Accepted (Tons/day)	Remaining Capacity (tons) <i>Estimated</i>
Chester	Chester County Landfill	Henderson	Closed	0	0
McNairy	McNairy County Landfill	East of Selmer	132,000	121	132,000
Hardin	Savannah/Hardin County Landfill	Northeast of Savannah	Close in 1994	65	7,500
Regional Total				186	139,500

* Note: Table 2-6 accurate as of 11/1/93

Costs of the Current System

The current systems are divided between the four counties. The following tables display these figures for each county and city and for the region as a whole. All expenditures are for fiscal year ending June 30, 1994.

Table 2-8
Estimated Solid Waste Expenditures for Chester County
(1993-1994)

Convenience Center Operations	
Supervisors	\$ 17,305
Truck Drivers	18,200
Station Attendants	40,500
Retirement	500
Insurance	1,800
Social Security	6,000
Total Convenience Center Operations	84,305
Disposal Costs	
Lease of Truck and Equipment	34,038
Gas and Diesel	14,400
Telephone	2,160
Travel	1,000
Maintenance	5,000
Tipping Fee	100,000
Total Disposal Costs	156,598
Convenience Center Development (per site)	
Offices	2,300
Furnishings	400
Polyjans	475
Fencing	4,000
Concrete, Gravel and Grading	3,600
Equipment	15,600
Electrical	1,200
Land Acquisition	2,000
Legal Fees and Survey	750
Total Convenience Center Development (per site)	30,325
for two sites	60,650
Workman's Compensation and Insurance	11,500
Old Landfill Closure	51,500
Total Estimated Budget	\$ 364,553

Table 2-9
Estimated Solid Waste Expenditures for the City of Henderson
(1993-1994)

Landfill Closure/Post-Closure Activities	\$ 103,000
Sanitation Pickup incl/ Vehicle operations and Maintenance	191,625
Total Estimated Solid Waste Expenditures	294,625

Table 2-10
Estimated Solid Waste Expenditures for
Chester County and Its Corresponding Cities
(1993-1994)

Estimated Expenditures for Chester County	\$ 364,553
Estimated Expenditures for the City of Henderson	294,625
Total Estimated Expenditures for Chester County and Its Corresponding Cities	\$ 659,178

**Table 2-11
 Estimated Solid Waste Expenditures for Hardin County
 (1993-1994)**

Sanitation Management	
Supervisor/Director	\$ 21,500
Mechanics	8,600
Truck Drivers	49,000
Secretarial	5,200
Maintenance and Repair	47,500
Travel	1,500
Gasoline	21,000
Supplies	9,500
Vehicles	14,000
Total Sanitation Management Expenditures	177,800
Waste Collection	
Convenience Centers	96,000
Laborers	2,000
Advertising	2,000
Communications	4,000
Utilities	12,000
Supplies and Materials	0
Other Charges	0
Site Development	0
Solid Waste Management	0
Total Waste Collection Expenditures	116,000
Waste Disposal	
Landfill Operations and Maintenance	0
Contracts with Government Agencies	12,000
Contracts with Private Agencies	60,000
Engineering Services	32,500
Other Services	150,000
Other Charges	10,000
Total Waste Disposal Expenditures	264,500
Total Estimated Solid Waste Expenditures	558,300

Table 2-12
Estimated Solid Waste Expenditures for the City of Savannah
(1993-1994)

Salaries	\$ 100,000
FICA	8,000
Insurance	14,000
Retirement	1,000
Unemployment Insurance	300
Radio Services	800
Waste Transportation	8,000
Utility Services	800
Telephone	800
Vehicle Repair and Maintenance	6,000
Other Repairs and Maintenance	1,500
Waste Disposal Charges	42,000
Collection Fees, Waste Management	95,000
Office Supplies	400
Operating Supplies	4,000
Clothing and Uniforms	4,000
Gas, Oil, Diesel	6,500
Tires and Tubes	2,500
Trans# 129, Waste Disposal	130,000
Sundry	300
Capital Outlay	49,250

Total Estimated Expenditures	\$ 475,150

Table 2-13
Estimated Solid Waste Expenditures for
Hardin County and Its Corresponding Cities
(1993-1994)

Estimated Expenditures for Hardin County	\$ 558,300
Estimated Expenditures for the City of Savannah	475,150

Total Estimated Solid Waste Expenditures for Hardin County and Its Corresponding Cities	\$ 1,033,450

**Table 2-14
 Estimated Solid Waste Expenditures for McNairy County
 (1993-1994)**

Landfill	
Site Development	10,000
Equipment Operators	49,600
Communications	700
Contracts with Government Agencies	31,000
Maintenance & Repairs of Equipment	25,000
Rentals	180,000
Diesel Fuel	10,000
Electricity	500
Office Supplies	300
Water & Sewer	240
Vehicle & Equipment Insurance	800
Total Estimated Landfill Expenditures	308,140
Collection	
Equipment	92,500
Drivers	35,440
Maintenance & Repairs of Equipment	18,000
Fuel	10,000
Tires	3,500
Vehicle & Equipment Insurance	2,200
Total Estimated Collection Expenditures	161,640
Convenience Center Operations	35,000
Other Charges	
Trustee's Commission	0
Employee Social Security	6,700
Employee State Retirement	850
Employee Medical Insurance	14,000
Unemployment Compensation	850
Total Estimated Other Charges	22,400
Total Estimated Expenditures	527,180

Table 2-15
Estimated Solid Waste Expenditures for the City of Adamsville
(1993-1994)

Salaries	\$ 26,000
Overtime	2,000
OASI	2,300
Health Insurance	2,700
Retirement	2,000
Unemployment Insurance	200
Repairs & Maintenance	3,300
Landfill Services	9,500
Operating Supplies	500
Clothing and Uniforms	300
Repair & maintenance Supplies	500
Fuel	4,000
Insurance	2,000
Sundry	1,000
Capital Outlay	19,600

Total Estimated Expenditures	\$ 75,900

Table 2-16
Estimated Solid Waste Expenditures for the City of Selmer
(1993-1994)

Salaries	\$ 90,300
Repair & Maintenance	8,000
Landfill Services	21,550
Office Supplies	100
Clothing and Uniforms	1,000
Operating Supplies	1,800
Capital Outlay	15,000
Miscellaneous	100
Payment on New Truck Note	16,000

Total Estimated Expenditures	\$ 153,850

Table 2-17
Estimated Solid Waste Expenditures for
McNairy County and Its Corresponding Cities

Estimated Expenditures for McNairy County	\$ 527,180
Estimated Expenditures for the City of Adamsville	75,900
Estimated Expenditures for the City of Selmer	153,850

Total Estimated Expenditures for McNairy County and Its Corresponding Cities	\$ 756,930

Table 2-18
Estimated Solid Waste Expenditures for Wayne County
(1993-1994)

Supervisor/Director	18,720
Salaries and Wages	96,920
Advertising	100
Communications	900
Contracts with Government Agencies	120,500
Contracts with Private Agencies	53,551
Dues and Memberships	300
Maintenance and Repair Services	12,800
Fuel	700
Supplies	1,500

Total Estimated Solid Waste Expenditures for Wayne County	\$ 305,991

Table 2-19
Estimated Solid Waste Expenditures for the City of Clifton
(1993-1994)

Salaries	\$ 4,164
Postage	360
Electricity	1,200
Telephone	840
Legal Services	500
Collection Fees	40,464
Recycling Program	1,920
Supplies	200
Office Equipment	2,500
Contingency	500

Total Solid Waste Expenditures for the City of Clifton	\$ 52,648

Table 2-20
Estimated Solid Waste Expenditures for the City of Collinwood

Garbage Collection	\$ 38,883
Recycling Expenses	2,575

Total Solid Waste Expenditures for the City of Collinwood	\$ 41,458

Table 2-21
Estimated Solid Waste Expenditures for the City of Waynesboro
(1993-1994)

Collection Fees	\$ 80,000
Maintaining the Old Landfill	1,000
Recycling funds to the County	4,000

Total Estimated Solid Waste Expenditures	\$ 85,000

Table 2-22
Estimated Solid Waste Expenditures for
Wayne County and Its Corresponding Cities
(1993-1994)

Estimated Expenditures for Wayne County	\$ 305,991
Estimated Expenditures for the City of Clifton	52,648
Estimated Expenditures for the City of Collinwood	41,458
Estimated Expenditures for the City of Waynesboro	85,000

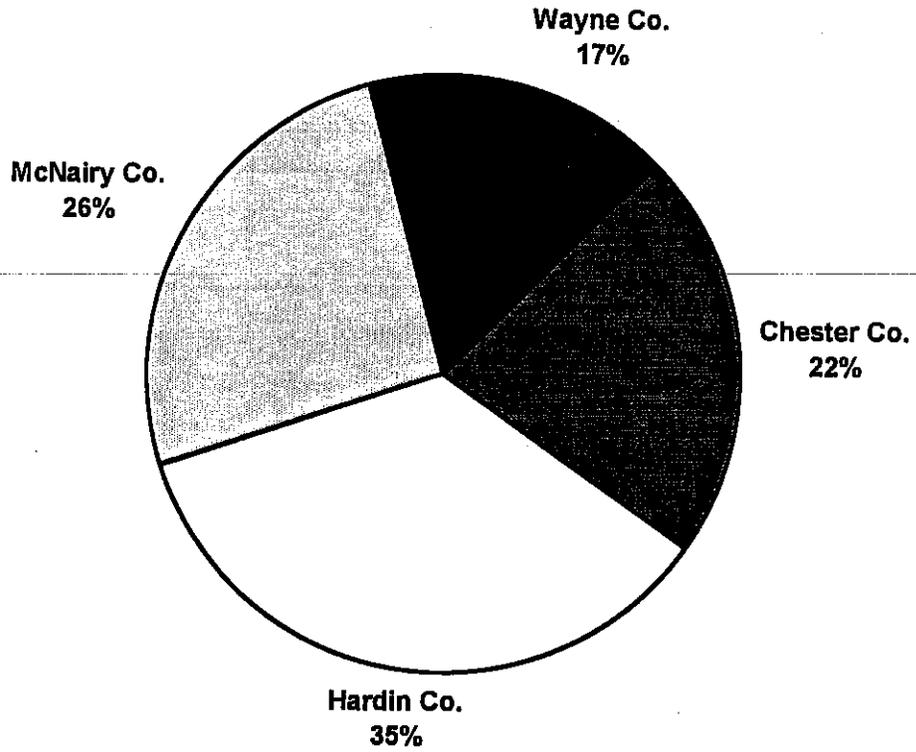
Total Estimated Expenditures for Wayne County and Its Corresponding Cities	\$ 485,097

Table 2-23
Total Estimated Regional Solid Waste Expenditures
(1993-1994)

Total Estimated Expenditures for Chester County and Its Corresponding Cities	\$ 659,178
Total Estimated Expenditures for Hardin County and Its Corresponding Cities	1,033,450
Total Estimated Expenditures for McNairy County and Its Corresponding Cities	756,930
Total Estimated Expenditures for Wayne County and Its Corresponding Cities	485,097

Total Regional Solid Waste Expenditures	\$ 2,934,655

Figure 2-4
Percentage Of Regional Expenditures By County



Revenues

The current systems are divided between the four counties. The following tables display these figures for each county and for the region as a whole. All revenues are for fiscal year ending June 30, 1994.

Table 2-24
Chester County Solid Waste/ Sanitary Revenues
(1993-1994)

Cities Tipping Fees	46,800
Sale of Recyclable Materials	4,000
State Grants	16,000
Local Option Sales Tax	68,000
In Lieu of Taxes TVA	56,000
Bank Excise Tax	14,000
Litigation Tax	45,000
Business Tax	32,000
Beer Tax	45,000
State Income Tax	6,000
State Beer Tax	15,000
State Alcoholic Tax	16,000
Mixed Drink Tax	753
Total Estimated Revenues	364,553

Table 2-25
Solid Waste Revenues for the City of Henderson
(1993-1994)

Collection Fees	\$ 156,250
Sale of Recyclables	5,000
Total Solid Waste Revenues	\$ 161,250

Table 2-26
Total Solid Waste Revenues for Chester County and Its Corresponding Cities
(1993-1994)

Revenues for Chester County	\$ 364,553
Revenues for the City of Henderson	161,250

Total Solid Waste Revenues for Chester County and Its Corresponding Cities	\$ 525,803

**Table 2-27
 Hardin County Solid Waste/ Sanitary Revenues
 (1993-1994)**

Local Taxes	
Circuit/Clerk & Master Collection	\$ 1,100
Interest and Penalty	240
Bank Excise Tax	1,500
Wholesale Beer Tax	264,000
Total Local Taxes	266,840
Charges for Current Services	
Commercial/Industrial Collection Charge	15,000
Tipping Fees	45,000
Total Charges for Current Services	60,000
State Revenue Sharing - TVA	23,000
Job Training Partnership Act	3,000
Total Estimated Revenues	\$ 352,840 *

* Compare to Table 2-11.

**Table 2-28
 Solid Waste Revenues for the City of Savannah
 (1993-1994)**

Disposal Charges - Tipping Fees	\$ 24,000
Disposal Charges - County	130,000
Sanitation Fees - City	341,240
Interest Earnings	500
Misc. Refunds	500
Total Estimated Revenues for the City of Savannah	\$496,240

**Table 2-29
 Total Revenues for Hardin County and Its Corresponding Cities
 (1993-1994)**

Revenues for Hardin County	\$ 352,840
Revenues for the City of Savannah	496,240
Total Estimated Revenues for Hardin County and Its Corresponding Cities	\$849,080

**Table 2-30
 McNairy County Solid Waste/ Sanitary Revenues
 (1993-1994)**

Local Taxes	
County Local Option taxes	0
Local Option Sales Tax	117,000
Total Local Taxes	117,000
Charges for Current Services	
General Service Charges	0
Refuse Disposal Charges	325,100
Total Charges for Current Services	325,100
State Revenues	88,000
Total Estimated Revenues	530,000

Solid Waste Revenues for the City of Adamsville

The City of Selmer solid waste revenues consist of fees charged residential and commercial customers for solid waste collection. These revenues are estimated to total \$ 75,000.00 for fiscal year 1993-1994.

Solid Waste Revenues for the City of Selmer

The City of Selmer solid waste revenues consist of fees charged residential and commercial customers for solid waste collection. These revenues are estimated to total \$ 172,000.00 for fiscal year 1993-1994.

**Table 2-33
 Total Solid Waste Revenues for McNairy County and Its Corresponding Cities
 (1993-1994)**

Estimated Solid Waste Revenues for McNairy County	\$ 530,000
Estimated Solid Waste Revenues for the City of Adamsville	75,000
Estimated Solid Waste Revenues for the City of Selmer	172,000

Total Estimated Solid Waste Revenues for McNairy County and Its Corresponding Cities	\$ 777,000

Table 2-34
Wayne County Solid Waste/ Sanitary Revenues
(1993-1994)

Local Taxes	
Current Property Tax	\$ 211,857
Trustee Collection	3,900
C&M Collection	5,000
Interest and Penalty	2,000
Payment in Lieu of Taxes - TVA	1,000
Total Local Taxes	223,757
Business tax	2,000
Wholesale Beer Tax	65,000
Other Local Revenue	
Sale of Recyclables	10,000
Sale of Recycled (curbside)	6,000
Total Other Local Revenue	16,000
State Revenue Sharing - TVA	20,000
Total Estimated Revenue	\$ 326,757

Revenues for the City of Clifton

The City of Clifton does not have a separate Solid Waste Fund. All Fund are appropriated from the City's general fund and no line items are available. The City's revenues were therefore estimated as \$ 52,648.

Revenues for the City of Collinwood

The City of Collinwood's Solid Waste revenues come entirely from residential and commercial collect fees. These fees are estimated to be \$ 37,772 for 1993-1994.

Revenues for the City of Waynesboro

The City of Waynesboro does not have a separate Solid Waste Fund. All Fund are appropriated from the City's general fund and no line items are available. The City's revenues were therefore estimated as \$ 80,000.

Table 2-35
Total Revenues for Wayne County and Its Corresponding Cities
(1993-1994)

Revenues for Wayne County	\$ 326,757
Revenues for the City of Clifton	52,648
Revenues for the City of Collinwood	37,772
Revenues for the City of Waynesboro	80,000

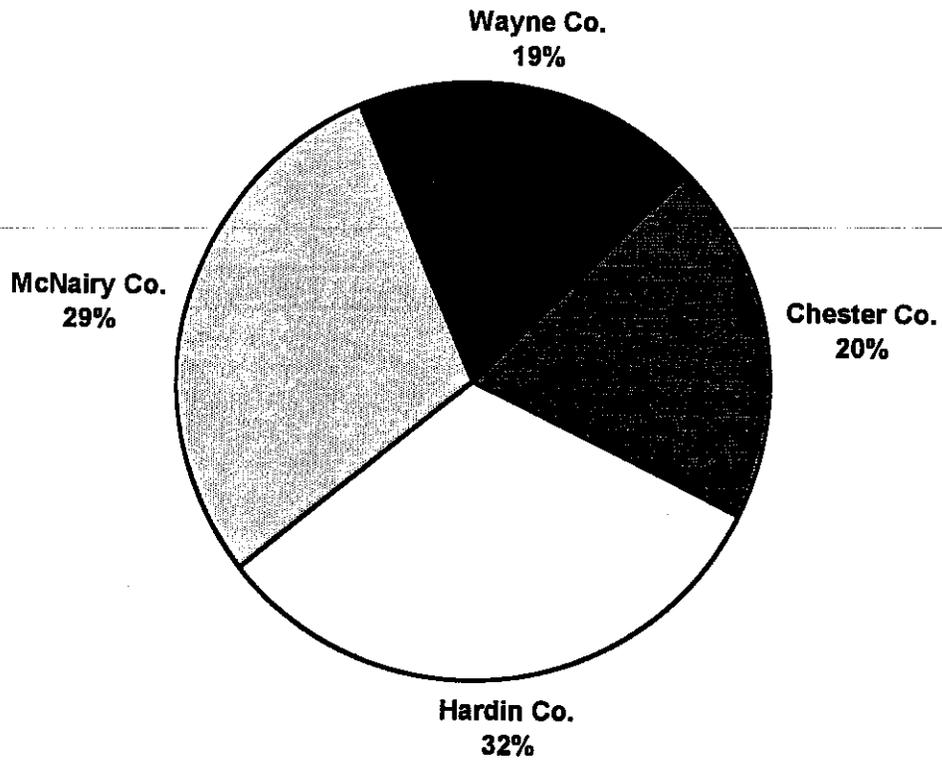
Total Estimated Revenues for Wayne County and Its Corresponding Cities	\$ 497,177

Table 2-36
Total Estimated Regional Solid Waste/ Sanitary Revenues
(1993-1994)

Revenues for Chester County and Its Corresponding Cities	\$ 525,803
Revenues for Hardin County and Its Corresponding Cities	849,080
Revenues for McNairy County and Its Corresponding Cities	777,000
Revenues for Wayne County and Its Corresponding Cities	497,177

Total Estimated Regional Revenues	\$ 2,649,060

Figure 2-5
Percentage of Regional Revenue by County



Public Information and Education Programs

The existing public information and education programs are very limited throughout the region. No school districts employ any education programs within the area. Area newspapers and radio stations report on solid waste matters with varying frequency.

It has been discussed that the area newspapers run a monthly article on the solid waste region and its progress. The matters discussed at each monthly board meeting will be reported and public input encouraged. Also, public service announcements have been considered for airplay on local radio stations. After completion of the 10 Year Solid Waste Regional Plan, a public relations program will be initiated, see Chapter 9.

Problem Waste

Problem waste within the region includes waste tires, waste oil, lead acid batteries and household hazardous waste. The Solid Waste Management Act of 1991 bans the disposal of these in landfill after January 1, 1995. The Shiloh Solid Waste Region has no current method of disposal for these wastes except for landfilling. Chapter 10 of this plan discusses the proposed plans to deal with these wastes and the methods of encouraging public participation.

Strengths and Weaknesses of the Existing System

Currently the counties and cities within the region act as individual entities for solid waste collection and disposal. Some cooperation is required, such as the joint use of the McNairy County Landfill, but teamwork has been minimal. This is the major weakness of the existing system of the region. This plan has been drafted with the intention of correcting this situation.

Also, the level of unmanaged waste within the region is a problem due to its rural make-up. This exposes the educational weaknesses, and the lack of public information, within the region. Plans to involve area schools and local radio and newspapers are being formed to aid in this matter. It is hoped that this will aid in improving the level of regional recycling, which is also lacking.

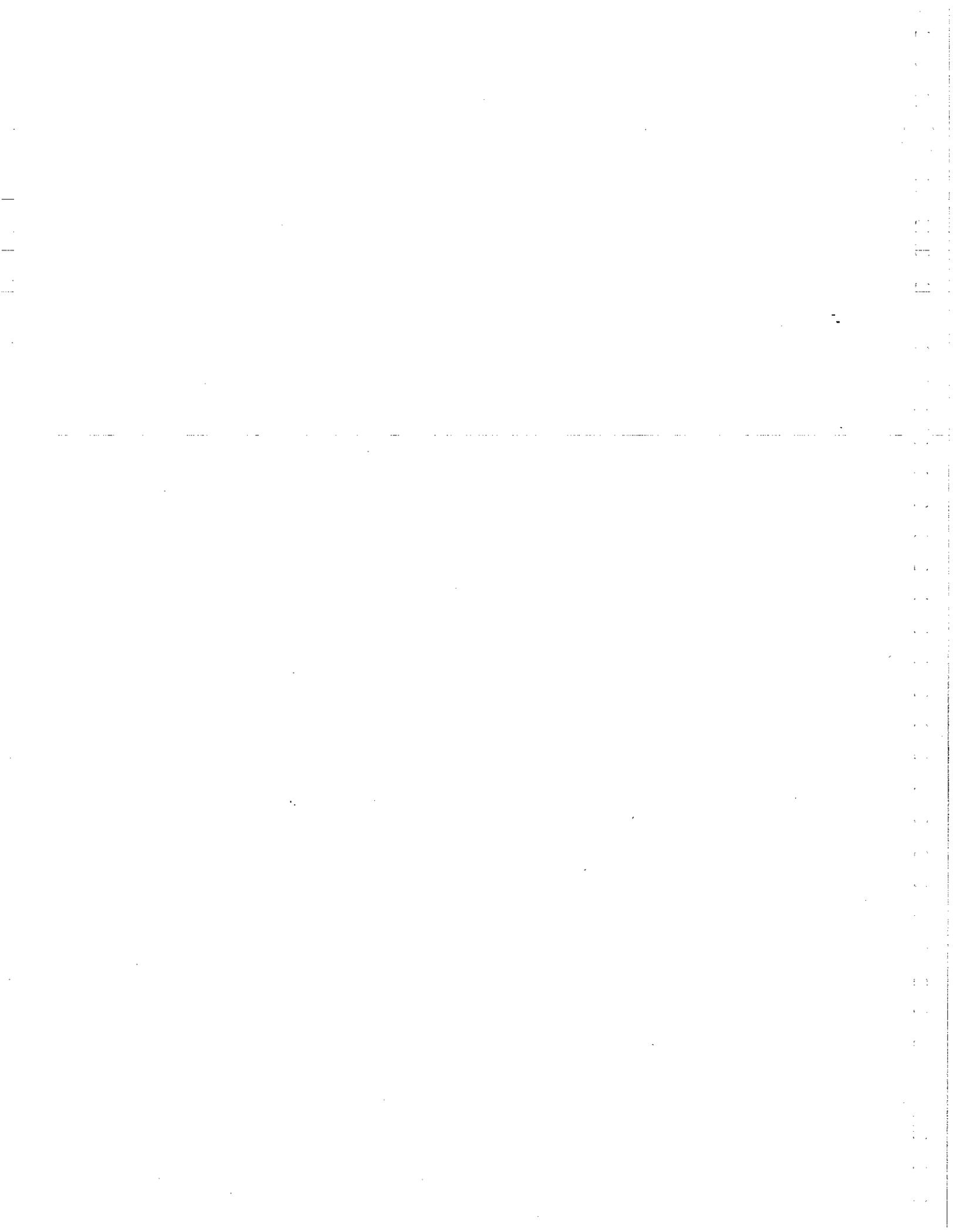
This region was formed to play upon the strengths of this area. With the coordination of county and local officials and help from area media, this region should be able to meet the requirements of the Solid Waste Act. The small, close knit communities in the region make public involvement simpler. Local media has been cooperative thus far and should help immensely in recycling and public information and education. Civic organizations will be encouraged to participate in recycling drives and student collection drives have proven successful. The planned replacement of green boxes with convenience centers should also aid greatly in customer satisfaction in rural areas.



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Chapter 3

Growth Trends, Waste Projections and Preliminary System Structure

General

The goal of this section is to project the regional solid waste to be generated and compare the regional demand with the current and planned system supply to define the regional needs for the next decade.

Projected Regional Demand for Solid Waste Services

Tables 3-1 through 3-5 show the expected regional waste to be generated as adjusted for population, economic growth and various influencing factors. These figures will be used for determining regional needs for each projected year.

Table 3-1
Annual Per Capita Waste Generation
in 1993

County	Total Waste Disposed of in FY 1993 ¹	Projected Population in 1993 ¹	Annual Per Capita Generation ² (Ton/Year/Person)
Chester	9,894	12,828	0.77
Hardin	23,414	22,799	1.03
McNairy	20,027	22,340	0.90
Wayne	4,442	13,924	0.32
Total	57,777	71,891	0.80

1 From Needs Assessment, Table IV-1

2 does not include unmanaged waste

Table 3-2
Quantity of Solid Waste Requiring Disposal
(adjusted for population)

Year	Waste Requiring Disposal by County (Tons) *				
	Chester	Hardin	McNairy	Wayne	Total
1994	9,896	23,470	20,002	4441	57,809
1995	9,898	23,527	19,978	4440	57,843
1996	9,901	23,587	19,954	4438	57,880
1997	9,903	23,642	19,930	4437	57,912
1998	9,905	23,698	19,906	4436	57,945
1999	9,908	23,756	19,881	4435	57,980
2000	9,910	23,814	19,857	4434	58,015
2001	9,907	23,833	19,801	4425	57,966
2002	9,904	23,853	19,745	4418	57,920
2003	9,901	23,871	19,690	4410	57,872

* From Needs Assessment, Table IV-1

Table 3-3
Quantity of Solid Waste Requiring Disposal
(adjusted for population and economic growth)

Year	Waste Requiring Disposal by County (Tons) *				
	Chester	Hardin	McNairy	Wayne	Total
1994	10,233	24,265	20,687	4,592	59,777
1995	10,246	24,346	20,684	4,596	59,872
1996	10,260	24,430	20,683	4,600	59,973
1997	10,273	24,515	20,682	4,604	60,074
1998	10,287	24,599	20,682	4,608	60,176
1999	10,302	24,686	20,682	4,612	60,282
2000	10,317	24,773	20,684	4,617	60,391
2001	10,327	24,823	20,654	4,614	60,418
2002	10,334	24,874	20,625	4,613	60,446
2003	10,348	24,925	20,598	4,611	60,482

* From Needs Assessment, Table IV-3

Table 3-4
Quantity of Solid Waste Requiring Disposal
(adjusted for population, economic growth, waste reduction and recycling)

Year	Waste Requiring Disposal by County (Tons) *				
	Chester	Hardin	McNairy	Wayne	Total
1994	8,700	20,615	17,584	4,592	51,491
1995	7,688	18,242	15,513	4,596	46,039
1996	7,699	18,305	15,512	4,600	46,116
1997	7,709	18,369	15,512	4,604	46,194
1998	7,719	18,432	15,512	4,608	46,271
1999	7,730	18,497	15,512	4,612	46,351
2000	7,742	18,562	15,513	4,617	46,434
2001	7,749	18,600	15,490	4,614	46,453
2002	7,751	18,656	15,469	4,613	46,489
2003	7,761	18,694	15,448	4,611	46,514

* From Needs Assessment, Table IV-4

Table 3-5
Annual Projections of Solid Waste Requiring Disposal
(Tons per Year)

Year	Waste Requiring Disposal by County (Tons) *				
	Chester	Hardin	McNairy	Wayne	Total
1994	8,700	20,615	17,584	4,592	51,491
1995	7,688	18,242	15,513	4,596	46,039
1996	7,699	18,305	15,512	4,600	46,116
1997	7,709	18,369	15,512	4,604	46,194
1998	7,719	18,432	15,512	4,608	46,271
1999	7,730	18,497	15,512	4,612	46,351
2000	7,742	18,562	15,513	4,617	46,434
2001	7,749	18,600	15,490	4,614	46,453
2002	7,751	18,656	15,469	4,613	46,489
2003	7,761	18,694	15,448	4,611	46,515

* From Table 3-4

Preliminary System Design

The objective of a solid waste system is to handle and dispose of the waste in a cost effective and environmentally sound manner. This includes such components as collection and transfer of the waste, the proper handling of such items as yard waste, recyclables and household hazardous waste and, ultimately, disposal.

The current collection systems contain some areas served primarily by private contractors and green box locations and convenience centers. The counties within the region have established that, in the future, all areas will be served by convenience centers as a minimum. This will require the establishment of such centers throughout the region. This number and location of these centers is discussed further in Chapter 5 of this plan.

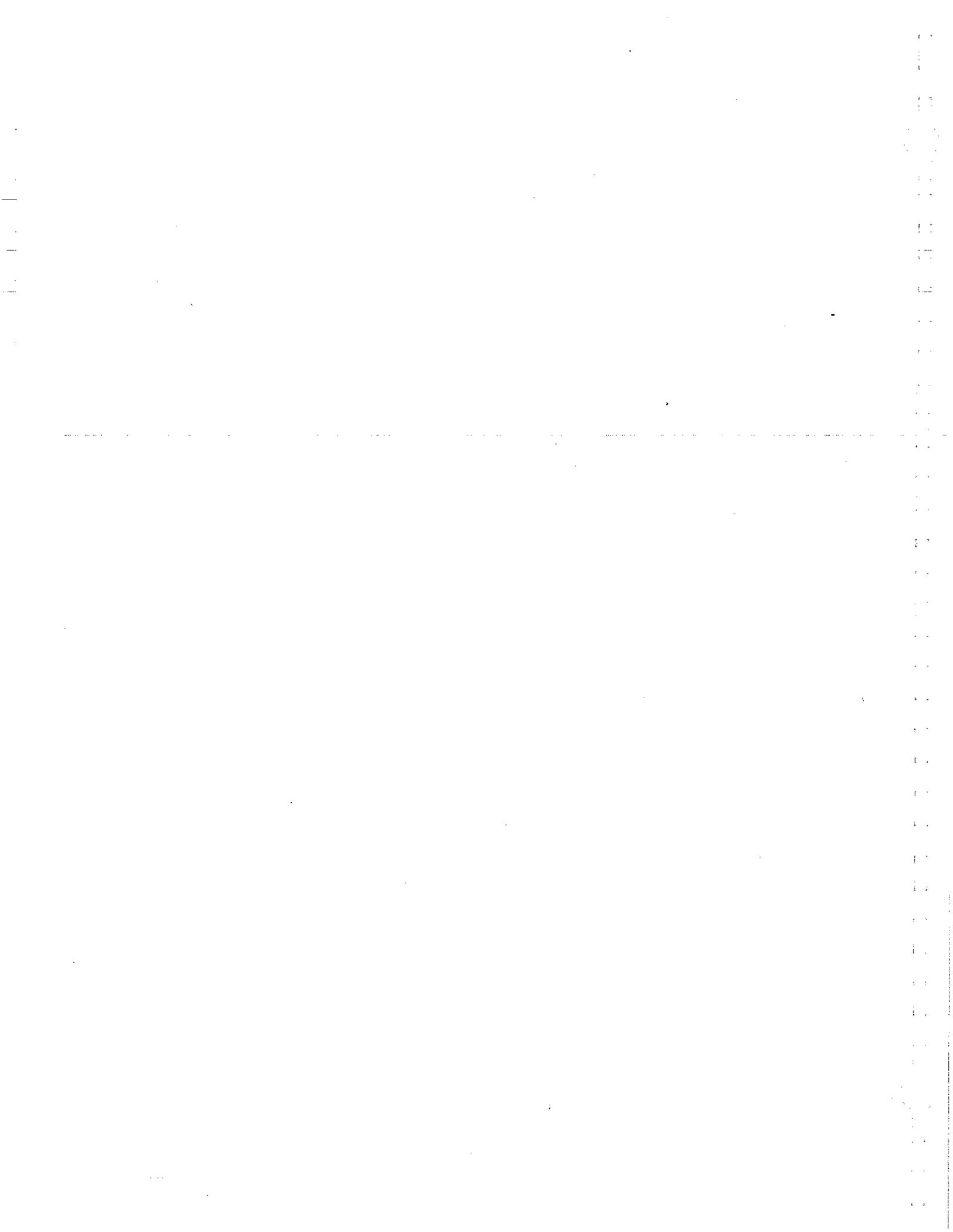
The disposal system within the region currently has three counties transporting their wastes to the McNairy County Class I Landfill. Hardin County will begin shipping their waste to the McNairy County Landfill starting in early 1994. The three external counties have passed resolutions to continue this disposal method until the landfill reaches its capacity in 1996. Chester County currently has a Class I landfill in the process of being permitted. It is expected that when the McNairy County Landfill closes the four regional counties will either dispose of their wastes at the Chester County Landfill or contract with a commercial landfill. These options are thoroughly examined in Chapter 8 of this plan.

Recycling within the region currently ranges from house-to-house pick-up to nonexistent. The region has determined that each county will supply a minimum of one recyclable collection center to aid in recyclable collection. Cities within the region are encouraged to provide any recycling services possible and house-to-house recyclable collection will continue in areas where it currently exists. It is hoped that this will encourage citizen participation and aid in achieving the 25% reduction goal established by the State. The recycling capacities and reduction goals are discussed in Chapter 6 of this plan.

Problem waste include such items as waste automotive fluids, household chemicals, old medicines and litter. These items currently are not specifically addressed in the regional collection systems. As required by the State of Tennessee, a site for the collection of automotive fluids and lead acid batteries will be established within each county. A site and schedule for collection of other household hazardous wastes through the State program will also be established by each county. It is expected that public education will be a key factor in the collection of these items so a substantial public outreach program will also be implemented to aid in citizen participation. These items are discussed further in chapter 10 of this plan.

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Chapter 4 Waste Reduction

General

The goal as required by the State of Tennessee is to reduce the amount of solid waste on a per capita basis disposed of in municipal solid waste disposal facilities and incinerators by at least 25% by December 31, 1995. This chapter will establish the base year (1989) quantity, establish the waste reduction activities necessary to achieve the 25% reduction and outline how these activities are to be carried out in this region.

Base Year Quantity

The base year is 1989. Table 4-1 presents the population and waste disposed of each county and the regional totals.

**Table 4-1
Population and Quantities of Waste Disposed of at Municipal Solid Waste Disposal
Facilities and Incinerators in 1989**

County	1989 Population ¹	1989 Total Waste Disposed (tons) ¹
Chester	12,900	5,335
Hardin	22,457	21,900
McNairy	24,200	17,466
Wayne	14,200	11,794
Total	73,757	56,475

1. From "Managing Our Waste, Solid Waste Planning for Tennessee," Waste Management Research and Education Institute, University of Tennessee

The regional per capita waste disposal at municipal solid waste disposal facilities and incinerators in 1989 is calculated as follows:

$$\frac{\text{Total Waste disposed of or incinerated}}{\text{Total regional population}} = \text{regional annual per capita waste disposal rate (tons/ year)}$$

Using the above quantity as a basis the target per capita quantity of waste to be disposed of is 0.77 tons per person per year or 0.57 tons per person per year (0.77 x 75%) in 1995. The Region's goal is to reduce the solid waste deposited into a Class I landfill by 0.2 tons per person per year.

Waste Reduction Goals and Objectives

General

The region's goal is to reduce the quantity of waste reaching municipal solid waste disposal facilities and incinerators 25% (0.2 tons per person per year) by December 31, 1995. An industrial solid waste survey was performed to determine the level of recycling by industry. Table 4-2 presents the results of this survey.

Table 4-2
Industrial Solid Waste Survey Summary

Industry	Tons / Year Recycled	No Response
A.M. Cox & Son Sawmill	-	X
Action Apparel, Inc.	0	-
Angelica Uniform Company, Dillion Plant	-	X
Angelica Uniform Group Waynesboro	0	-
Aqua Dynamics Group Corp.	-	X
Aqua Glass Corp.	Quantity Unreported	-
B&T Packaging	-	X
Banner Publishing Company, Inc.	minimal	-
Beavers Tie & Lumber Company	-	X
Brown Shoe Company	-	X
Brown Show Factory 5	-	X
Buffalo River Services, Inc.	1.5	-
C&A Lube-A-Chain	-	X
C-Wood Lumber Company, Inc.	-	X
Champion International Corp.	55	-
Chester County Independent	-	X
Chester County Sportswear Company, Inc.	-	X
Clayton Homes, Inc.	-	X
Clifton Laminated Rubber Products	30	-
Construction Services, Inc.	-	X
Creative Tool & Die	-	X
Davis Brothers, Inc.	-	X
DBH Ltd, Inc.	-	X
E.D. Price Sawmill	-	X
Easy Rest Bedding, Inc.	-	X
El Rancho Furniture Company	-	X
Engineered Plastics of Pickwick, Inc.	-	X
Exkell, Inc.	0	-
Forest, Inc.	-	X
Fundco Printers, Inc.	-	X

**Table 4-2
 Industrial Solid Waste Survey Summary**

G&P Printing Services	-	X
Garan, Inc.	-	X
General Electric Company	Quantity Unreported	-
Gibson Machine Works	-	X
Grinnell Corp.	-	X
Guild Industries	-	X
Harville Manufacturing Company, Inc.	-	X
Hassell & Hughes Lumber Company, Inc.	-	X
Henco, Inc.	-	X
Henderson Stamping & Production, Inc.	-	X
Henry I. Siegel Company, Inc.	-	X
Hickory Hills Industries, Inc.	0	-
I. Appel	-	X
ITT Automotive, SWF Auto Electrical Div.	-	X
J&M Apparel	-	X
Jakel, Inc.	-	X
Jetricks Company, Inc.	-	X
Joe Treece Enterprises, Inc.	-	X
KAP III, Inc.	0	X
Karr Industries, Inc.	-	X
Kenneth Locke Sawmill	-	X
Kilburn's Plating Company, Inc.	Quantity Unreported	-
Kolpak Manufacturing Company	-	X
L&S Precision Tool, Inc.	-	X
Lancaster Tool & Die Company, Inc.	-	X
Laredo Code West, Div. of Genesco, Inc.	-	X
Lincoln Brass Works, Inc.	-	X
LTV Steel Company	0	-
Magnetek Century Electric	-	X
Mak Tool & Gage Company, Inc.	-	X
Mautical Fiberglass	-	X
McNairy County Publishing Company	-	X
McNairy Shirtworks	-	X
MKD, Inc.	-	X
Modern Way Immobilizers	-	X
Murray Hill Manufacturing Company	-	X
Mutech Services, Inc.	-	X
Nash Industrial Fabrication & Welding Services	-	X
NEO Products Corp.	1	-
Otis Industries	-	X

**Table 4-2
 Industrial Solid Waste Survey Summary**

P&H Lumber Company	-	X
Packaging Corp. of America	Quantity Unreported	-
Parris Manufacturing Company	-	X
Pinecraft Furniture Company	-	X
Pinnacle Fiberglass Corp.	-	X
Quality Manufacturing Company	-	X
Quality Tool & Die Company	-	X
Ramer Tool & Die	-	X
Ramer Wood Products, Inc.	-	X
Rapid Print	-	X
Regency Sportswear, Inc.	-	X
Rhone-Poulenic Basic Chemicals Company	-	X
Ripley Industries, Inc.	-	X
River Heights, Inc.	-	X
River Heights, Inc.	-	X
Sauer Sundstrand	-	X
Savannah Fabricating & Machine Works	-	X
Savannah Handle Works, Inc.	-	X
Savannah Ice Company	-	X
Savannah Machine Shop & Loader Company	-	X
Savannah Manufacturing Company	-	X
Savannah Publishing Company, Inc.	0	-
Savannah Tool & Die	-	X
Sawmill Furniture Company, Inc.	-	X
Shiloh Foods, Inc.	32	-
Skelton Lumber Company, Inc.	-	X
Smith Metals Company, Inc.	Quantity Unreported	-
Southern Plating, Inc.	0	-
Southern Precast, Inc. Savannah	0	-
Southern Precase, Inc.	-	X
Southwest Apparel Corp.	-	X
Sports Production Ltd.	-	X
Tennessee River, Inc.	-	X
Tennessee River Manufacturing, Inc. Collinwood	0.2	-
Tennessee River Manufacturing, Inc.	-	X
Tennessee Tool & Die	-	X
Tennessee Woodworks, Inc.	--	X
Tri-State Metallurgical Corp.	-	X
Trimatic Springs, Inc.	-	X
U.S.A. Classics	0	-
Vernon Custom Woodworks	-	X
Vulcan Materials Company	-	X

Table 4-2
Industrial Solid Waste Survey Summary

Walnut Grove Furniture Mfg., Inc.	-	X
Wardison, Inc.	-	X
Whitco	-	X
Wild Goose Manufacturing	-	X
Williams Cabinet Shop, Inc.	-	X
Wise Company	-	X
Wolfe Frostop, Inc.	-	X
Total	119.7	

The goals for 1994 and 1995 for various waste stream components are given in Table 4-3.

Table 4-3
Waste Reduction Goals by Material Type for 1994 and 1995

Material	1994 Reduction Goal (tons)	1995 Reduction Goal (tons)
Glass	100	194
Paper	222	443
Yard Waste	4,825	9,155
Metals and Aluminum	565	1,117
Demolition Waste	1,258	3,037
Plastic	222	443
Total	7,192 ¹	14,389 ²

1. Population (Table 1-6) times 0.1 for 1994.
2. Population (Table 1-6) times 0.2 (page 4-2).

The goals for 1994 and 1995 by economic sector are given in Table 4-4.

Table 4-4
Waste Reduction Goals by Economic Sector for 1994 and 1995

Economic Sector	1994 Waste Reduction Goal (tons)	1995 Waste Reduction Goal (tons)
Residential	5,390	10,400
Commercial	720	1,385
Institutional	360	693
Industrial	722	1,911
Total	7,192 ¹	14,389 ²

1. Population (Table 1-6) times 0.1 for 1994.
2. Population (Table 1-6) times 0.2 (page 4-2).

The waste reduction goals by year are as presented in Table 4-5.

**Table 4-5
 Waste Reduction Goals by Year - 1994 through 2003**

Year	Waste Reduction Goal (tons)
1994	7,192 ¹
1995	14,389
1996	14,395
1997	14,401
1998	14,406
1999	14,412
2000	14,417
2001	14,403
2002	14,388
2003	14,374

1. Population (Table 1-6) times 0.1 for 1994.
2. Population (Table 1-6) times 0.2 (page 4-2).

Quantities

Table 4-6 presents the estimated quantities of waste removed or diverted from the waste stream by year.

**Table 4-6
 Estimated Quantities of Waste Removed or Diverted
 (tons)**

Year	Previous Reductions	Recovered & Recycled	Diverted To		Other	Total ¹
			Alternative Disposal	Economic Incentives		
1985 to	0	0	0	0	0	0
1989	0	0	0	0	0	0
1990	0	0	0	0	0	0
1991	0	0	0	0	0	0
1993	0	0	0	0	0	0
1994	0	1,109	6,083	0	0	7,192
1995	0	2,197	12,192	0	0	14,389
1996	0	2,198	12,197	0	0	14,395
1997	0	2,199	12,202	0	0	14,401
1998	0	2,200	12,206	0	0	14,406
1999	0	2,201	12,211	0	0	14,412
2000	0	2,201	12,216	0	0	14,417
2001	0	2,199	12,204	0	0	14,403
2002	0	2,197	12,191	0	0	14,388
2003	0	2,195	12,179	0	0	14,374

1. Population (Table 1-6) times 0.1 for 1994 and population (Table 1-6) times 0.2 (page 4-2) 1995 and later.

Recovery Reuse and Recycle

Chapter 6 presents the details of the region's recovery, reuse and recycling plan.

Diverted to Alternate Disposal Methods

Class III/IV landfills will be developed in the region to receive the demolition wastes that are currently being deposited in the Class I landfills. It is recommended that a pit burner be constructed in Hardin, McNairy and Wayne Counties to reduce the amount of wood waste to be placed in the Region's Class III / IV landfills.

Economic Incentives

There will be no specific economic incentives to reduce the quantity of solid waste being disposed of in the Region. Using experience with other public sector fee based services such as water and sewer, as a basis, economic incentives would not be effective; when water and/or sewer rates go up, use decreases for a short while. After the public becomes accustomed to the new rates, the use climbs to preincrease levels.

Regulatory Bans

There will be no specific regulatory bans for disposal in the region outside those imposed by the State of Tennessee.

Implementation Responsibility

These strategies will be implemented by the counties and cities in the region through their normal legislative processes. Each identity will be responsible for meeting a percent reduction goal as outlined herein before.

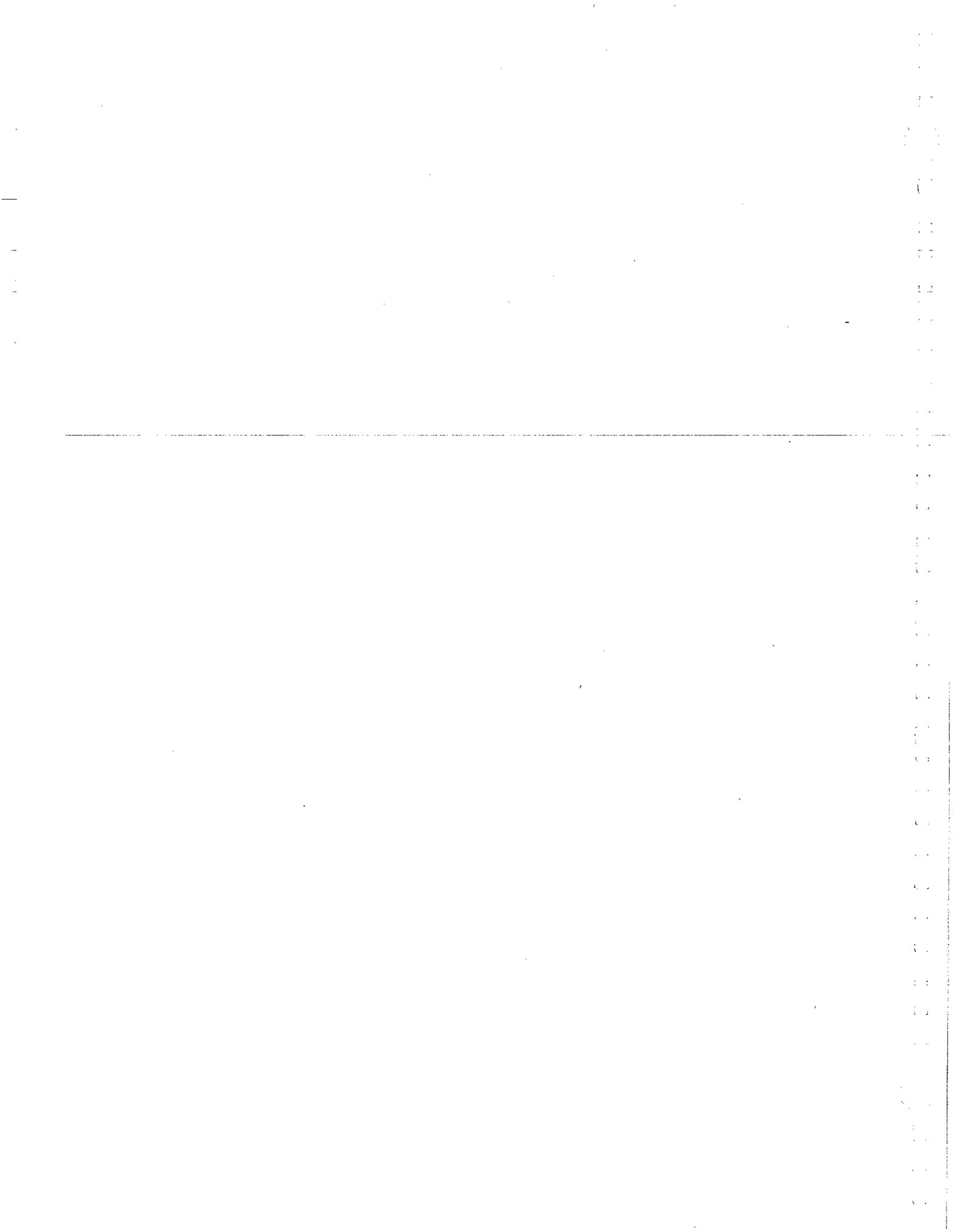
Data Collection and Progress Reporting

The Region's Solid Waste Planning Committee consisting of representatives from the various regional identities will prepare an annual report in accordance with T.C.A. § 68-31-863(b) and § 68-31-871. This report will be submitted no later than February 1st of each year and will cover the calendar year just completed.

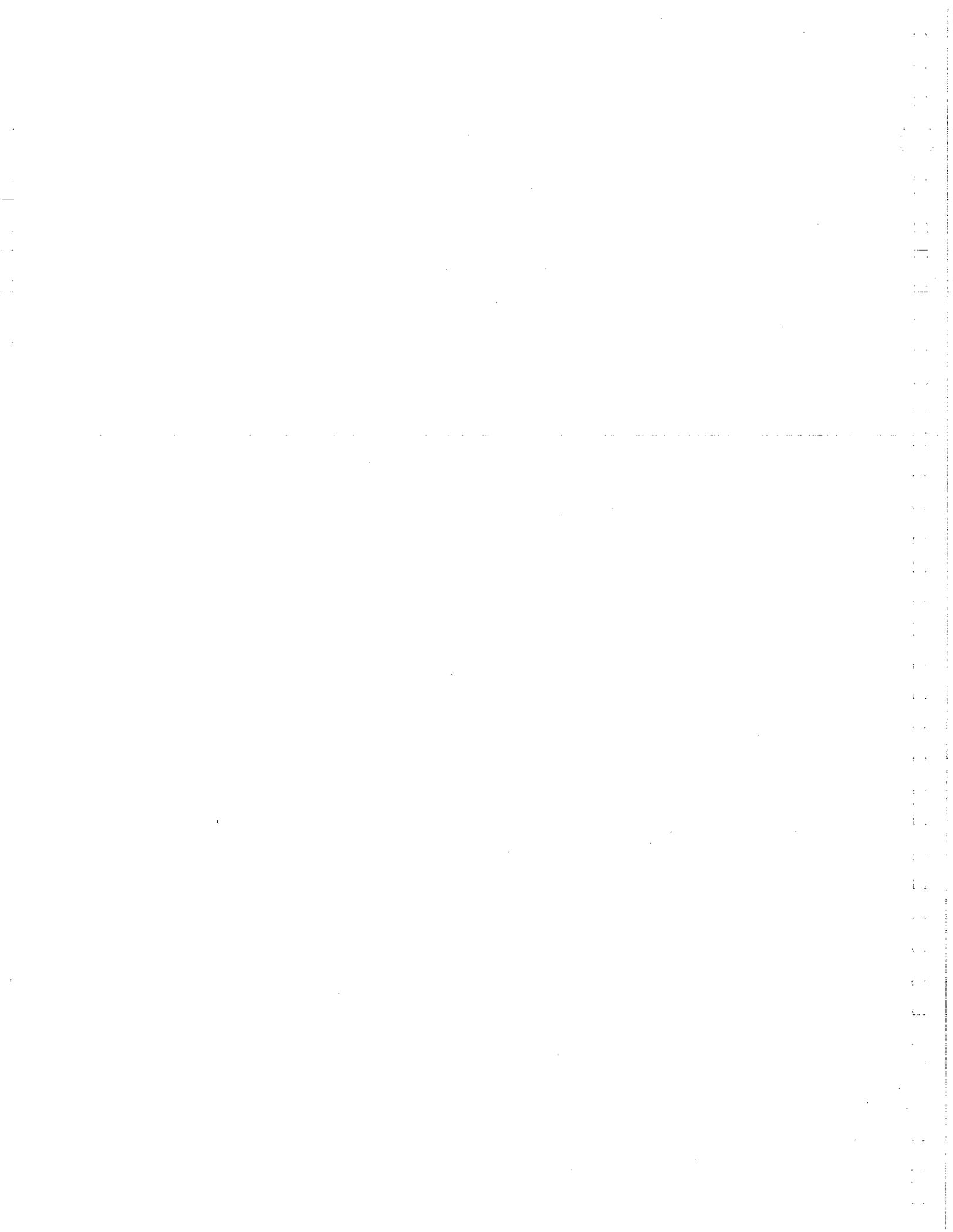
Data will be submitted by each identity in the region. The submitted data will include the entities reduction amounts for the categories listed in Table 4-6. This data will e used to prepare the report.

Summary

The Region's goal is to reduce the per capita quantity of solid waste deposited in a Class I landfill from 0.77 tons per person per year to 0.57 tons per person per year. This will be accomplished by encouraging industrial, public, commercial, governmental and institutional recycling and reuse, and by diversion to a Class III/IV landfill in Hardin, McNairy and Wayne counties. Chester county will divert it's Class III/IV material to the McNairy county Class III/IV landfill. Pit burners at the Class III/IV landfills will greatly reduce the volume of material deposited in these landfills.



Copy of Waste Disposal Reduction Goal Ammendments



RULEMAKING HEARING RULES
OF
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF SOLID WASTE ASSISTANCE

CHAPTER 1200-1-7
WASTE DISPOSAL REDUCTION GOAL
AMENDMENTS

1. Rule 1200-1-7-.01(2) is amended by adding new definitions as follows:

"Compostable Material" means solid organic waste that may be decomposed under controlled conditions by micro-organisms under aerobic or anaerobic conditions which result in a stable humus-like material free of pathogenic organisms (e.g., food wastes, yard wastes, and low moisture content wastewater sludge).

"Market" means the transfer or sale of recovered materials to be used, reused, and recycled.

"Recycling" means any process by which materials which would otherwise become solid waste are collected, separated, or processed and reused or returned to use in the form of raw materials or products.

"Source Reduction" means any action or activity that reduces or eliminates the generation of a waste.

2. Rule Chapter 1200-1-7 is amended by adding a new Rule 1200-1-7-.09, WASTE DISPOSAL REDUCTION GOAL to read as follows:

RULE 1200-1-7-.09 WASTE DISPOSAL REDUCTION GOAL

(1) General Purpose

The goal of the state is to reduce by twenty-five percent (25%) the amount of solid waste disposed of at municipal solid waste disposal facilities and incinerators by December 31, 1995, as measured on a per capita basis within Tennessee by weight. The goal shall also apply to each municipal solid waste region; but does not apply to individual disposal facilities or incinerators. Individual disposal facilities or incinerators are used only as measurement locations for assessing the achievement of a region's waste reduction efforts.

(2) Waste Reduction Methods

The Department may consider a variety of options that a region shall take into account in meeting the twenty-five percent (25%) goal. As used in Rule 1200-1-7-.09, "municipal solid waste" (MSW) means any garbage, refuse, industrial lunchroom or office waste, household waste, household hazardous waste, yard waste and any

other material resulting from the operation of residential, municipal, commercial or institutional establishments and from community activities which are required to be disposed of in a Class I landfill, as defined in regulations adopted pursuant to Tennessee Code Annotated Title 68, Chapter 211; provided, that "municipal solid waste" does not include the following:

1. Radioactive waste;
2. Hazardous waste as defined in Tennessee Code Annotated Section 68-212-104;
3. Infectious wastes;
4. Materials that are being transported to a facility for reprocessing or reuse; provided further, that reprocessing or reuse does not include incineration or placement in a landfill; and
5. Industrial waste which may include office, domestic or cafeteria waste, managed in a privately owned solid waste disposal system or resource recovery facility, if such waste is generated solely by the owner of the solid waste disposal system or resource recovery facility.

Waste reduction methods or activities include, but are not limited to, the following:

- (a) Any "municipal solid waste" diverted from a Class I disposal facility to a Class III or Class IV disposal facility as provided under Rules 1200-1-7-.01 through .04 adopted pursuant to the provisions of Tennessee Code Annotated Title 68, Chapter 211, Part 1.
- (b) Composting of "municipal solid waste". The composting of municipal solid waste must have a market for such composted product in order to be considered as a method for waste reduction.
- (c) Recycling. Recycling constitutes a method of waste reduction so long as the recovered materials are marketed for recycling, or are stored for recycling at a solid waste management facility and at least seventy-five percent (75%) of the stored material must be marketed within the succeeding twelve (12) months. The following processes shall not be considered as marketing of recyclable materials nor counted toward the 25% waste reduction goal:
 1. Collection or material handling in preparation for buyers.
 2. Storage of unprocessed or processed materials. Unprocessed municipal solid waste is not considered as being recyclable.

- (d) Source reduction of "municipal solid waste". Source reduction measures as a method of waste reduction may include industrial process modification, feedstock substitutions or improvements in feedstock purity, various housekeeping and management practices, increases in the efficiency of machinery, and recycling within a process.

Source reduction may also include reduction in the amount and toxicity of waste generated by residential and commercial sectors, through such measures as product substitution, home composting and recycling.

Source reduction may also be achieved through the encouragement of consumer habits that include the selection of products that have reduced and recyclable packaging, and the re-use of durable goods.

- (e) Problem waste diversion. The diversion of waste tires, used oil, lead-acid batteries, paints and other problem waste, as determined and identified by the Department, from a Class I disposal facility for recycling constitutes waste reduction. Problem wastes diverted from a Class I disposal facility and stored for recycling at a municipal solid waste management facility until marketed qualifies as waste reduction when diverted.

- (f) Mulching of "municipal solid waste". Any non-treated wood waste that may be converted to a mulch must have a market in order to be considered as a method for waste reduction.

(3) Region's Waste Reduction Plan

- (a) A region's waste reduction plan shall be consistent with the guidelines issued by the State Planning Office. Such a plan shall explain the region's waste reduction methods. The region may use any combination of methods; however, the following methods or practices will not be considered in the calculation for the region's waste reduction plan:

- (1) Incineration,
- (2) Unmarketed municipal solid waste compost,
- (3) Recovered materials (other than problem wastes) stored for recycling without being marketed as prescribed by Rule 1200-1-7-.09(2)(c), and
- (4) Illegal or unauthorized storage or disposal of municipal solid waste.

- (b) The twenty-five percent (25%) goal applies to only the waste that has been going to Class I landfills or municipal solid waste incinerators. Measurements of waste are to be based on the amount of waste entering a disposal facility prior to combustion

or landfilling. Materials recovered or collected for recycling at these facilities prior to combustion or landfilling shall be weighed and deducted from the total amount being disposed.

- (c) The region shall present their calculation of the twenty-five percent (25%) waste reduction on a per capita basis. The per capita waste savings shall be presented in tons per person per year.
- (d) The region's plan shall utilize the base year of 1989 for measuring waste reduction unless a region can demonstrate that 1989 data (found in The University of Tennessee study (February 1991), "Managing Our Waste: Solid Waste Planning for Tennessee") is clearly in error. A region may receive credit toward the waste reduction goal for documented reductions from recycling and source reduction programs prior to 1989, but no earlier than 1985. The region shall notify in writing the Director of the State Planning Office of such an error and request approval of any adjustment to the 1989 data.
- (e) Beginning on March 1, 1994, each region shall submit an annual report to the State Planning Office. Pursuant to T.C.A. Sections 68-211-863 and 68-211-871, such reports shall include, at a minimum, the amount and type of recycled materials collected in the region.

(4) Variance to Waste Reduction Goal

A region which fails to meet the goal, in spite of following an approved plan, may seek a variance from the Director of the State Planning Office. Any such request must comply with the provisions of T.C.A. Section 68-211-861(b). If approved, the variance may grant an extension of no more than five (5) years in attaining the goal.

If a region fails to achieve its goal and has not been granted a variance, it shall be subject to sanctions pursuant to T.C.A. Sections 68-211-816 and/or 68-211-117. These sanctions include a formal warning, loss of eligibility for grants from the Solid Waste Management Fund, and civil penalties.

If a multi-county region fails to meet the goal, sanctions shall apply only to the specific counties or cities within that region that have not carried out their waste reduction plan. Other cities and counties in the region will not be subject to the sanctions.

STATUTORY AUTHORITY

These amendments to Rules are promulgated pursuant to the Tennessee Solid Waste Management Act of 1991 as amended (Tennessee Code Annotated, Title 68, Chapter 211, Part 8) and the Uniform Administrative Procedures Act (Tennessee Code Annotated, Title 4, Chapter 5 et seq.).

Signature of the agency officer or officers directly responsible for proposing and/or drafting these rules:

Paul Evan Davis
 Paul Evan Davis
 Director
 Division of Solid Waste Assistance

The roll-call vote by the Tennessee Solid Waste Disposal Control Board on these rulemaking hearing rules was as follows:

<u>NAME OF BOARD MEMBER</u>	<u>Aye</u>	<u>No</u>	<u>Abstain</u>	<u>Absent</u>
Ruth Neff	<u>X</u>	_____	_____	_____
Wilton Burnett, Jr.	<u>X</u>	_____	_____	_____
Rafael B. Bustamante	<u>X</u>	_____	_____	_____
Ken Bunting	<u>X</u>	_____	_____	_____
J. P. Newman	<u>X</u>	_____	_____	_____
Robert D. Waddell	<u>X</u>	_____	_____	_____
William S. Stroud	<u>X</u>	_____	_____	_____
S. D. Wooten	_____	_____	_____	<u>X</u>
George R. Harvell, Jr.	<u>X</u>	_____	_____	_____
Wesley Beal	<u>X</u>	_____	_____	_____
Arthur Smith	_____	<u>X</u>	_____	_____

I certify that this is an accurate and complete copy of rulemaking hearing rules, lawfully promulgated and adopted by the Tennessee Solid Waste Disposal Control Board on the 2nd day of Feb., 1993.

Further, I certify that these rules are properly presented for filing, a notice of rulemaking hearing having been filed in the Department of State on the 29th day of September, 1992, and such notice of rulemaking hearing having been published in the October 15, 1992 issue of the Tennessee Administrative Register, and such rulemaking hearing having been conducted pursuant thereto on the 17th, 19th and 23rd, of November 1992.

Tom Tiesler
 Tom Tiesler, Technical Secretary
 Tennessee Solid Waste Disposal
 Control Board

Rafael B. Bustamante
 Rafael B. Bustamante, Chairman
 Tennessee Solid Waste Disposal
 Control Board

Subscribed and sworn to before me this the 2nd day of February, 1993.

Manuel S. Thompson
 Notary Public

My commission expires on the 27 day of January, 1995.

All rulemaking hearing rules provided for herein have been examined by the Attorney General and Reporter of the State of Tennessee and are approved as to legality pursuant to the provisions of the Administrative Procedures Act, Tennessee Code Annotated, Title 4, Chapter 5.

Charles W. Burson

Charles W. Burson
Attorney General and Reporter

The rulemaking hearing rules set out herein were properly filed in the Department of State and will become effective on the 29 day of Sept., 1983.

Riley C. Darnell

Riley C. Darnell
Secretary of State

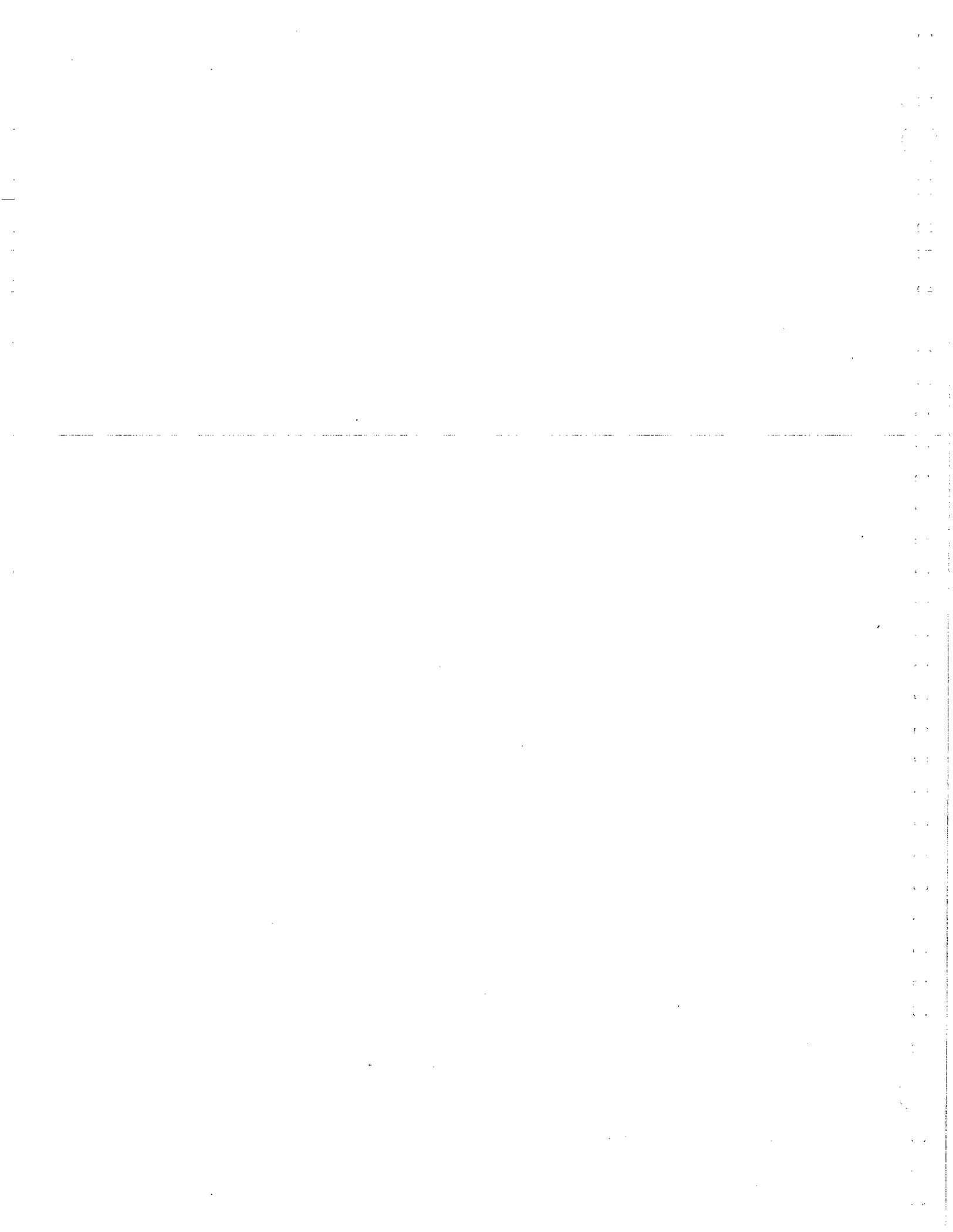
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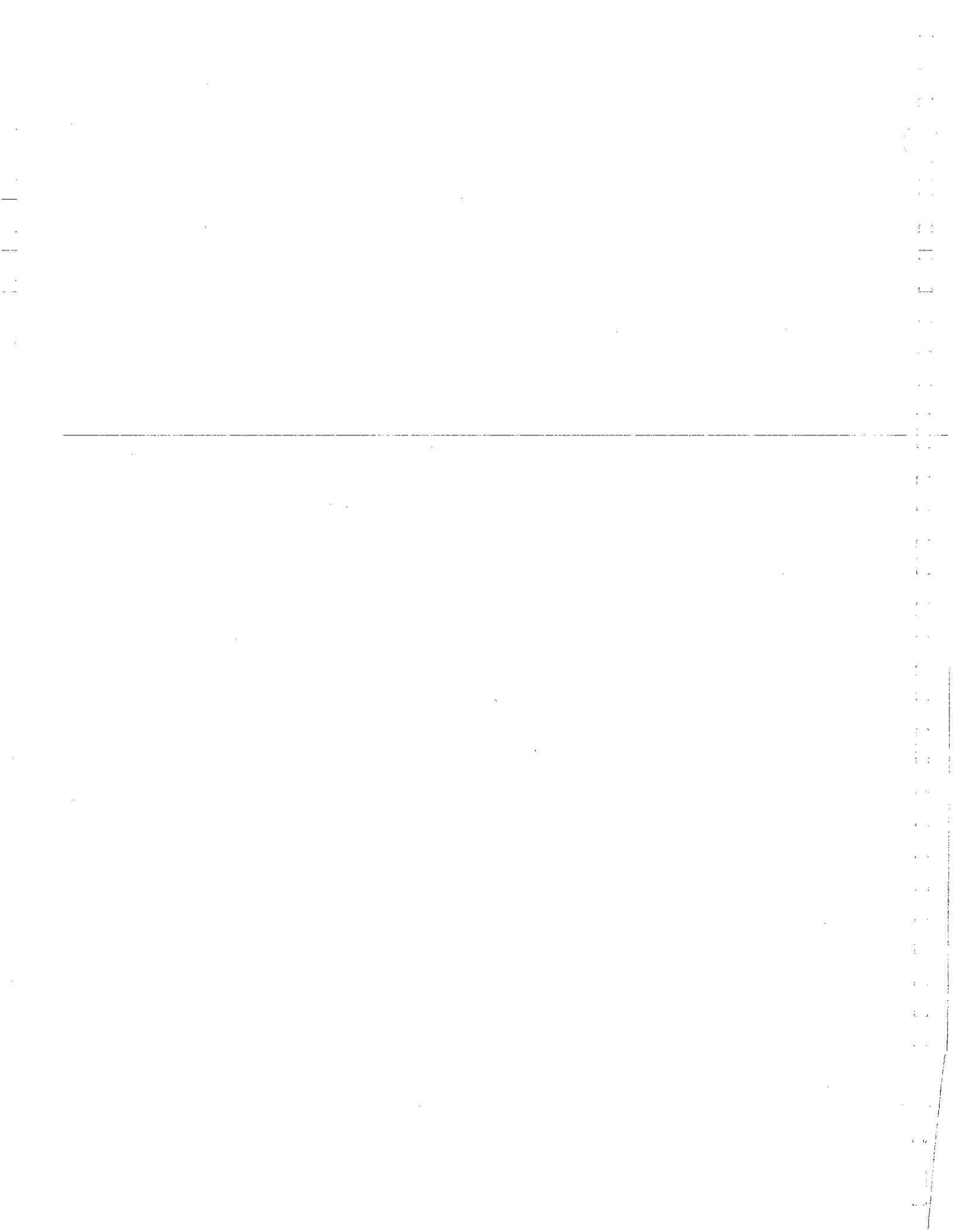


Chapter 5

Waste Collection and Transportation

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Chapter 5

Waste Collection and Transportation

Existing Regional Collection System

The region has some areas where residents pay a private contractor to collect their waste and some areas where the residents haul their solid wastes themselves to one of the "green boxes" located throughout the region. There are several existing convenience centers in the Region. Table 5-1 presents the jurisdictions in the Region where door to door waste collection and transportation services are available.

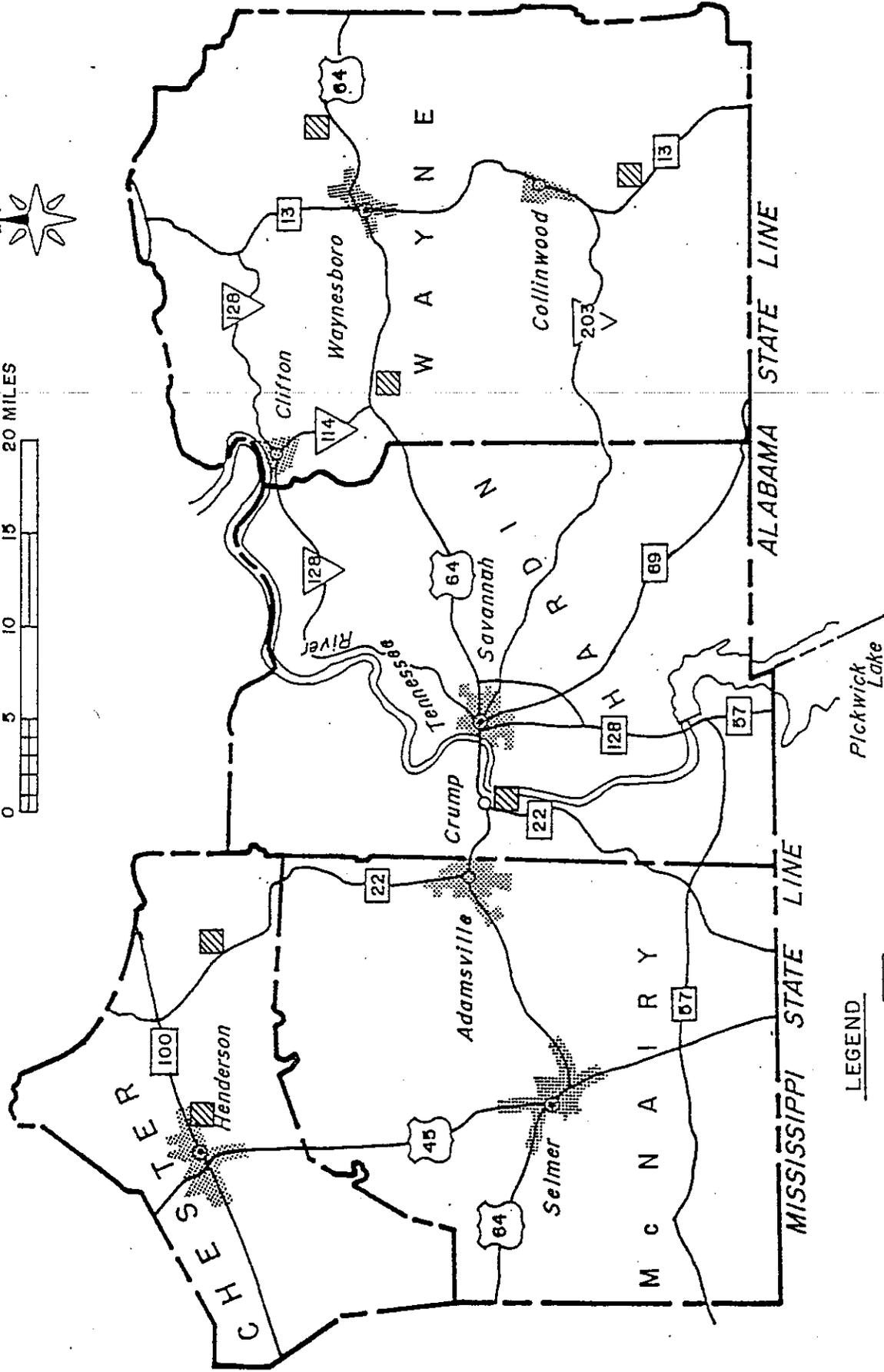
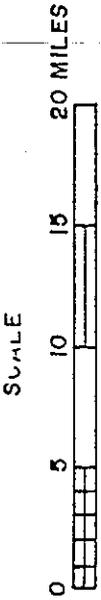
Table 5-1
Door - To - Door Collection

Location	No. People Served	Area Served (sq. mi.)
Chester County		
Henderson	5,195	5
Subtotal	5,195	5
Hardin County		
Savannah	6,547	5.28
Subtotal	6,547	5.28
McNairy County		
Adamsville	1,745	3.2
Selmer	4,372	4.75
Subtotal	6,117	7.95
Wayne County		
Clifton	620	6
Collinwood	1,014	12
Waynesboro	2,042	2
Subtotal	3,676	20

Figure 5-1 outlines the areas that do not have door to door collection as well as the approximate locations of the regions "green boxes" and convenience centers.

Regional Collection Needs

Using T.C.A. 68-31-851(b) as a basis, Table 5-2 presents the minimum number of convenience centers required in each area of the region.



LEGEND

- COUNTY SEAT
- ◻ CITY
- ◐ INTERSTATE ROUTE
- ◑ US ROUTE
- ◒ TN STATE PRIMARY
- ◓ TN STATE SECONDARY
- ◔ TAX BASED DOOR-TO-DOOR COLLECTION
- ▨ CONVENIENCE CENTERS

FIGURE 5-1
DOOR-TO-DOOR COLLECTION AREAS
AND CONVENIENCE CENTERS
FOR
CHESTER, HARDIN, McNAIRY, AND WAYNE COUNTIES

Table 5-2
Convenience Centers Required Under T.C.A. 68-31-851(b)

	Chester	Hardin	McNairy	Wayne
Total 1993 Population	12,828	22,799	22,340	13,924
Total Area (sq. miles)	289	578	560	734
People Served by Door to Door Collection	5,195	6,547	6,117	3,676
Area Served by Door to Door Collection (sq. miles)	5	5.28	7.95	20
People not Served by Door to Door Collection	7,633	16,352	16,223	10,248
Area not Served by Door to Door Collection (sq. miles)	284	572.72	552.05	714
Minimum Number Convenience Centers Req. by Population	1	1	1	1
Minimum Number convenience Centers Required by Area	2	3	3	4

If Figure 5-1 is compared to Table 5-2, it can be seen that additional convenience centers are required. Table 5-3 outlines the number of convenience centers existing in the fall of 1993 versus the minimum number required Under T.C.A. § 68-31-851(b) in each entity's area of service.

Table 5-3
Number of Convenience Centers Required Vs. Number Existing

County	Number Provided	Minimum Number Required	Additional Number Required Under T.C.A. 68-31-851(b) ¹
Chester	2	2	0
Hardin	1	3	2
McNairy	0	3	3
Wayne	3	4	1

1. If mail box collection is not provided

Using Table 5-3 as a basis, Table 5-4 presents the additional transportation and collection equipment needed.

**Table 5-4
 Additional Transportation and Collection Equipment Required
 To Meet Minimum Standards**

County	Convenience Center	Transportation Trucks
Chester	0	0 ¹
Hardin	2	0 ¹
McNairy	3	1
Wayne	1	0 ¹

1. County has existing trucks

Implementation

It is the Region's goal to either provide door to door collection service or convenience centers for the entire region. This will not only provide all of the residents a much needed service, but it will also reduce the quantity of improperly disposed solid waste in the rural and urban areas. Figure 5-2 presents suggested general locations of the new convenience centers. Table 5-5 outlines the schedule for implementing the new services. Chester, Hardin and McNairy Counties plan to install more than the minimum required number of convenience centers.

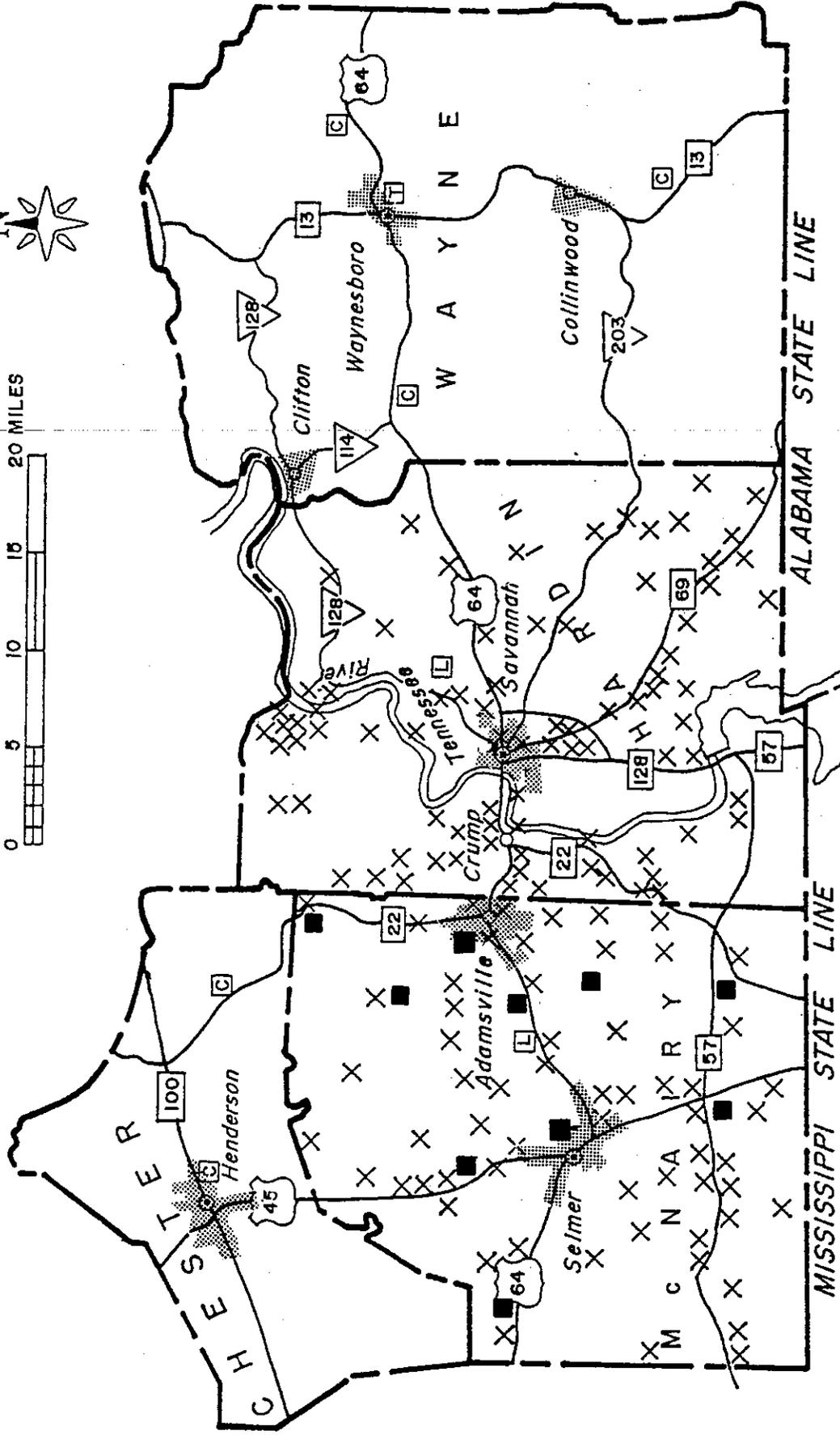
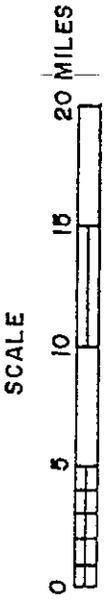
**Table 5-5
 Collection and Transportation System Implementation Schedule**

County	Additional Convenience Center	Transportation Equipment
Chester	1994	N/A
Hardin	1994, 1995	1994 ¹
McNairy	1994, 1995	1994
Wayne	1995	N/A

1. An additional truck will be needed

Staffing and Training Needs

Table 5-6 presents the 10 - year staffing and training needs necessary to insure that the schedule presented by Table 5-5 is met.



LEGEND

- COUNTY SEAT
- CITY
- ◐ PERMITTED CLASS I LANDFILL
- ⊗ INTERSTATE ROUTE
- ⊠ U.S. ROUTE
- ⊡ TN STATE PRIMARY
- ⊞ EXISTING GREEN BOX
- ⊞ TRANSFER STATION
- ⊞ CONVENIENCE CENTER
- PROPOSED CONVENIENCE CENTER

FIGURE 5-2

SUGGESTED GENERAL LOCATION OF CONVENIENCE CENTERS FOR

CHESTER, HARDIN, McNAIRY, AND WAYNE COUNTIES

Table 5-6
10 - Year Staffing and Training Needs
For Convenience Centers

County	No. People Needed ¹	No. People Needing Training	Total No. Convenience Centers Needed
Chester			3
1994	6	6	
1995	9	3	
Hardin			6
1994	9	9	
1995	18	9	
McNairy			10
1994	10	10	
1995	25	15	
Wayne			4
1994	9	9	
1995	12	3	

1. Assuming Convenience centers are open an average of 55 hours per week each, average 20 hours per week per attendant, one truck driver can service up to three centers per week.

Budget

Table 5-7 presents the budget necessary to implement the waste collection and transportation system outlined herein before.

**Table 5-7
 Budget for Collection and Transportation
 (Convenience Centers Only)**

County	Capital	Operation and Maintenance ¹	Total Yearly
Chester			
1994	\$35,000	\$120,000	\$155,000
1995	0	\$126,000	\$126,000
after 1995	0	\$132,000	\$132,000
Hardin			
1994	\$71,000	\$200,000	\$271,000
1995	\$96,000	\$210,000	\$306,000
after 1995	0	\$220,000	\$220,000
McNairy			
1994	\$175,000	\$200,000	\$375,000
1995	\$175,000	\$210,000	\$385,000
after 1995	0	\$220,000	\$220,000
Wayne			
1994	\$30,000	0	\$30,000
1995	0	\$42,000	\$42,000
after 1995	0	\$44,000	\$44,000

1. Cost based on convenience centers being open 55 hours per week, an average wage of \$5.00 per hour plus 30% fringe benefits, \$300 per month per center per month for utilities, and an average of \$7,000 per truck (based on 25 miles one way to the landfill, page 36 of "Solid Waste: Transportation and Other Costs," average 10 tons per truck load).

It is recommended that a typical convenience center have a 42 cubic yard enclosed container with small capacity compactor, two 42 cubic yard open top roll off containers for bulky items and one 42 cubic yard open top, open end roll off container for white goods. In addition, a prefabricated 8' x 10' building with lights, heat and air conditioning and a chemical toilet should be provided for each center. A ramp should be provided for ease of loading the open top containers.

Table 5-8 is a 10-year milestone for implementation of the waste collection and transportation plan.

Table 5-8
Timetable for Collection and Transportation

County	First Convenience Center Constructed	Last Mandatory Convenience Center Constructed
Chester	N/A	1994
Hardin	1994	1995
McNairy	1994	1995
Wayne	N/A	1995

Each county has chosen to provide attended convenience centers for it's rural residents. It is assumed that the cities that currently provide residential collection service to their residents will continue to do so. If a county elects to impose a residential collection fee, such a fee should not be applied to the city residents receiving a collection service from the city. For a discussion of fees, see Chapter 11.

Even if an authority is formed, it is recommended that each county maintain responsibility for collection and that collection not be included in the Authority's powers.

Grants And Technical Assistance

A copy of the convenience center regulations are contained at the end of this chapter. The state offers matching grant funds to establish or upgrade convenience centers. The following is a copy of § 68-211-824 of the Law.

§ 68-211-824. Matching grant assistance to establish or upgrade convenience centers. — From funds available in the solid waste management fund established by § 68-211-821, the department shall offer matching grant assistance to counties for the purpose of establishing or upgrading convenience centers required by § 68-211-851. Such grant funds may be applied to expenses for land, paving, fencing shelters for attendants, containers and basic equipment including, but not limited to, balers, crushers, grinders and fencing. Such funds may also be applied to expenditures for developing and printing of operating manuals, but such funds may not be used for regular operating expenses of a recurring nature. The local share of the match shall be determined by the department, using an economic index promulgated by the board based upon factors which include, but are not limited to, per capita income and property values of the county applicant. Counties falling within the lower one half (½) of the economic scale on the index shall be eligible for lower matching rates. The board shall promulgate regulations regarding the appropriate index and matching rates. (Acts 1991, ch. 451, § 21; T.C.A. § 68-31-824; Acts 1992, ch. 693, § 24.)

In addition, the State law also provides (§ 68-211-851) that the University of Tennessee County Technical Assistance Service shall provide technical assistance if requested.

§ 68-211-851. Municipal solid waste collection and disposal systems — Convenience centers — Technical assistance. — (c) If requested, the University of Tennessee county technical assistance service and municipal technical advisory service shall provide technical assistance to a county or region for siting, designing, constructing, upgrading and developing and maintaining a system of convenience centers which meets the minimum design standards which the department will establish by regulations.

Summary

Chester, Hardin and McNairy counties will each establish a system of attended convenience centers. Wayne county will continue it's collection service "as is." Grants will be sought for the construction of convenience centers.



Convenience Center Regulations



AMENDMENTS TO RULE 1200-1-7
CONVENIENCE CENTER RULE

Proposed Rules To Be Presented At the February 1993
Board Meeting

Rule 1200-1-7-.01(2) Definitions is amended by deleting the existing definition and adding the following:

"Convenience center" means any area which is staffed and fenced that has waste receptacles on site that are open to the public, when an attendant is present, to receive household waste, municipal solid waste and recyclable materials.

Rule 1200-1-7-.07(1)(b)5 is amended by deleting this part in its entirety and substituting the following:

5. These fees shall not apply to any facility that recovers and/or recycles seventy-five (75) percent of materials received. The owner/operator must maintain records that support the seventy-five percent rule. Records shall be maintained as per Rule 1200-1-7-.08(3).

Rule 1200-1-.07(1)(b) is amended by adding a new part 7. as follows:

7. These fees shall not apply to convenience centers as required by T.C.A. 68-211-851.

Rule 1200-1-7-.02(1)(c)1. is amended by adding a new subpart (iv) as follows:

(iv) A convenience center, if

(I) The operator complies with the notification requirements of Part 2 of this subparagraph.

(II) An operational manual describing the specific manner in which the facility complies with Rule 10(3).

(III) A design plan on 1" = 20' scale indicating boundaries of the site and all appurtenances.

(IV) A site location map on a USGS Topo map.

(V) The facility is designed and operated in compliance with Rule 1200-1-7-.10.

Rule 1200-1-7 is amended by adding a new rule to read as follows:

Rule 1200-1-7-.10 Convenience Centers -

(1) Purpose

- (a) This rule shall establish the minimum level of service which every county must provide in order to assure that all residents of a county are provided with collection and disposal service.
- (b) This rule shall establish minimum standards for the design and operation of convenience centers if such service is selected by a county.

(2) Minimum level of service -

- (a) Household collection - A county shall be deemed to have met minimum level of service if at least ninety percent (90%) of all residents have access to household collection.
- (b) Convenience centers - A county shall be deemed to have a minimum level of service if convenience centers are established as provided in this subparagraph. Each county must have at least one convenience center unless a higher level of service is provided.

(1) Number of centers - The minimum level of service shall be established as provided in (i) and (ii) as follows:

(i) Service area - The service area of a county is defined as follows:

(I) County area in square miles less in square miles the following;

(1) Federal lands or reservations;

(II) State lands or reservations;

(III) Forestry reserves as held by wood processing industry;

(IV) Municipal corporations served by mandatory collection;

(VI) Federally managed water bodies or rivers;

or;

(II) Population as certified by the most recent census as per the U.S. Bureau of Census less the population served by mandatory collection service.

(ii) The minimum number of centers shall be established as follows:

(I) The service area in square mile divided by one hundred eighty square miles (180 mi²);
or

(II) The service area population divided by 12,000.

(All calculations shall be rounded to the nearest whole number.)

(c) Higher Level of Service - If a county or region proposes an alternative system, said system shall be approved by the Commissioner. The proposed system must provide a higher level of service than convenience centers. The county or region must, at a minimum, provide a review as per paragraph (4) of this rule and state in detail the criteria by which the system provides a higher level of service.

(3) Design and operation standards

(a) Access - The facility shall restrict unauthorized access by means of fencing with the ability to secure access points. Operating hours shall be posted at the facility.

(b) Dust and Mud Control - In order to prevent the creation of a nuisance or safety hazard all surfaces utilized for access and general operation shall be paved (includes compacted stone).

(c) Run-on and Run-off Control

1. In order to prevent operational hazards all run-on surface water shall be diverted around the facility.

2. In order to prevent ponding of water the surface of the facility shall be graded to assure proper runoff control. All runoff shall be diverted to an area that can be controlled with reference to release from the property. The release area shall be properly graded and stabilized to prevent erosion or other damage to adjoining properties. Silt fencing shall be utilized at this release point to control solids and silt. The area shall be kept free of silt and debris.

- (d) Fire safety - The facility must have on-site, properly maintained, fire suppression equipment. Arrangements must be made with the nearest available fire protection agency to provide additional protection.
- (e) Communication - There shall be maintained on-site equipment capable of notifying the appropriate authorities of an emergency.
- (f) Personnel facilities
 - 1. In order to provide shelter during inclement weather and store necessary records and supplies a suitable structure shall be provided on-site.
 - 2. Sanitary facilities shall be provided.
- (g) Water - Service water should be provided to the facility if equipment and/or the facility management requires such water for maintenance.
- (h) Process water - If mechanical compaction is utilized all liquid generated by this equipment shall be collected and properly managed.
- (i) Waste Handling
 - 1. Recycled material shall be placed in separate receiving containers;
 - 2. All waste handling (including loading and unloading) shall be conducted on paved surfaces;
 - 3. There is no storage of solid waste at the facility except in containers, bins, or on paved surface designed for such storage;
 - 4. All loose litter shall be collected at the end of each working day.
- (j) Facility supervision - Trained personnel must always be present during operating hours. Training will be established as per T.C.A. 68-211-853.
- (h) Siting restrictions
 - 1. The facility must not be located in a wetland.
 - 2. The facility must not be located in a 100 yr. floodplain.

3. The facility must not cause or contribute to the taking of any endangered or threatened species of plants, fish or wildlife; or result in the destruction or adverse modification of a critical habitat.
 - (l) The facility shall not receive special waste unless approval is received from the Department in writing. Approval will require the construction of special containment areas.
 - (m) The facility shall not receive medical waste.
- (4) Municipal Solid Waste Collection and Plan
 - (a) Annually each solid waste disposal region shall revise the local plan as required by T.C.A. 68-211-814. This annual revision shall consider:
 1. Survey of roadside dumps;
 2. Citizen complaints;
 3. Alternative systems available;
 4. Volume of waste received or collected by the existing systems.
 - (b) This report shall be submitted to the State Planning Office on July 1, 1996 and each year thereafter.

STATUTORY AUTHORITY

THESE RULES ARE PROMULGATED PURSUANT TO TENNESSEE CODE ANNOTATED SECTIONS 68-211-102(a), 68-211-106(a)(1), 68-211-107(a), 68-211-111, and 68-211-851(a) and (b).

NOTICE
OF
RULEMAKING HEARING
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF SOLID WASTE ASSISTANCE

There will be a public hearing before the Tennessee Department of Environment and Conservation, Division of Solid Waste Assistance acting on behalf of the Tennessee Solid Waste Disposal Control Board, to consider the adoption and promulgation of rule amendments pursuant to Section 68-211-824 of Part 8, Solid Waste Management Act 1991 as amended. The hearing will be conducted in the manner prescribed by the Uniform Administrative Procedures Act, Tennessee Code Annotated, Section 4-5-204, and will take place at the location, date and time listed below:

Location	Time	Date
Administrative Hearing Room 17th Floor, L & C Tower 401 Church Street Nashville, Tennessee	10:00 a.m.	June 16, 1993

SUBSTANCE OF PROPOSED RULE AMENDMENTS

Rule 1200-1-7-.10(1) Purpose is amended by adding a new subparagraph (c) as follows:

- (c) This rule shall establish the economic index and local matching rates for grant assistance to counties to establish and upgrade convenience centers.

Rule 1200-1-7-.10 is amended by adding a new paragraph (5) as follows:

(5) Economic Index

Matching rates for convenience center grants shall be determined using the Ability-to-Pay Index (ATPI), developed by the Center for Business and Economic Research, University of Tennessee.

The local share required to match grant funds shall be as follows:

ATPI Range	Local Match
170.00-120.00	50%
119.99-100.00	40%
99.99- 90.00	30%
89.99- 70.00	20%
69.99- Or below	10%

Authority: TCA Section 69-211-111(d) (2) and 68-211-854.

Office hours for the Division of Solid Waste Assistance are from 8:00 a.m. to 4:30 p.m., Monday through Friday (excluding holidays).

Oral or written comments are invited at the hearing. In addition, written comments may be submitted prior to or after the public hearing to:

Mr. Paul Evan Davis
or
Ms. Joyce N. Dunlap
Division of Solid Waste Assistance
14th Floor, L & C Tower
401 Church Street
Nashville, Tennessee 37243-0455
(615) 532-0091

However, such written comments must be received by the Division by 4:30 p.m. on June 30, 1993 in order to ensure consideration. For further information, contact either of the individuals aforementioned.

We certify that this is an accurate and complete representation of the intent and scope of rulemaking proposed by the Tennessee Department of Environment and Conservation and the Division of Solid Waste Assistance.

Paul Evan Davis
Paul Evan Davis, Director
Division of Solid Waste Assistance

Subscribed to and sworn to before me this 28 day of April, 1993.

George B. Testerson
Notary Public

My commission expires on the 27 day of November, 1993.

The notice of rulemaking set out herein was properly filed in the Department of State on the 29 day of April, 1993.

Riley Dargell
Riley Dargell
Secretary of State

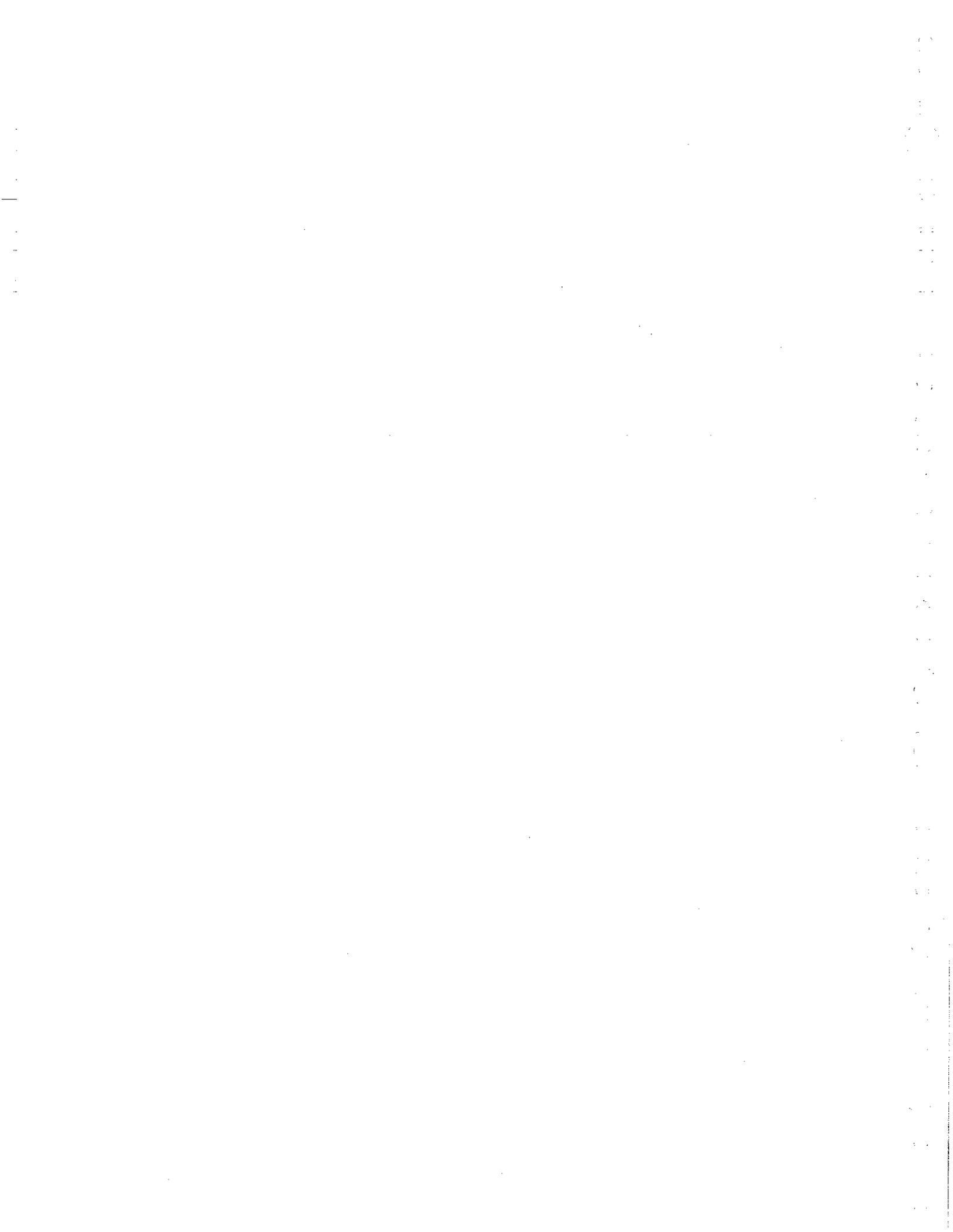
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Chapter 6 Recycling

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Chapter 6 Recycling

General

Currently, recycling in Wayne County is ahead of the rest of the region. Wayne County's program consists of curbside pickup in Waynesboro, Collinwood and Clifton and drop off points at various other locations throughout the County. Wayne County also collects corrugated cardboard from the commercial / industrial community in the county. McNairy County has a commercial recycler. Aqua Glass Corporation recycles corrugated cardboard. Chester County has recycling bins at its convenience centers.

Recycling is widely accepted by the general public and environmental groups alike as "the right thing to do." However, much misconception exists about the economic viability of recycling. First and foremost, under the current recyclables market, recycling will not pay for itself. Wayne County, Tennessee has one of the least expensive recycling programs in Tennessee costing approximately \$37 per ton of recycled waste excluding corrugated cardboard collection which boosts the cost to approximately \$77 per ton of recycled waste. These costs are net costs after revenues are considered. Using this as a basis and taking a credit of \$25 per ton for landfilling cost savings, recycling still costs Wayne County \$12 to \$52 per ton of recycled waste. Wayne County recycles approximately 6.9% of the solid waste collected.

The problems associated with recycling are many. Unmanned recycling bins become a collecting place for waste other than recyclables. If the bins are full, the recyclables are left on the ground. Once either one of these problems surface, the bins are no longer accepted by the public and no one wants one near their home or business.

The largest problem with recycling is the market for recyclables. Aluminum is the only fraction of the recyclables stream which has a strong steady market. It commands \$0.20 to \$0.35 per pound. The other fractions, newsprint, plastic bottles, glass and ferrous metals, have variable and widely fluctuating market value. News print, for instance, in May 1993 brought \$0.005 per pound. During certain times one must pay someone to take newsprint. Plastic prices are low (approximately \$0.005 per pound) but steady. Glass prices vary between \$0.0015 and \$0.004 per pound depending on the color (clear, brown, green and just recently blue). Ferrous (bi-metal) container prices vary between \$0.0035 and \$0.007 per pound. Using the above as a basis, the average ton of recyclables collected in this region would bring \$35 per ton.

The State of Tennessee set up the Office of Cooperative Marketing to help generate, stabilize and locate markets for the recyclables collected in the state. Although this will help, it is not expected to be the sole answer to market problems. A local recycling person would go a long way toward locating, generating and stabilizing the areas' markets. In addition the State of Tennessee contains 58 solid waste planning regions. When all of these begin to recycle, the influence on the market may be to depress the prices even further.

**Table 6-2
 Residential Recycling Plan Summary and Schedule**

Year	One Drop Off Site per County	Additional Drop Off Points in Counties	Percent Reduction in Solid Waste
1994			1.04
1995			2.25
1996			2.25
1997			2.25
1998			2.25
1999			2.25
2000			2.25
2001			2.25
2002			2.25
2003			2.25

Industrial / Commercial Recycling Alternatives

The commercial and industrial sectors are fertile areas for recycling, however, their contribution, except in unusual cases, is a small part of the solid waste stream. Most commercial and many industrial solid waste generator's waste streams contain large quantities of corrugated cardboard. Aqua Glass Corporation in Adamsville recycles it's corrugated cardboard; they separate it and give it to a commercial hauler who in turn sells it. Other commercial establishments and industries may be able to do likewise. However, unless encouraged and in some cases provided an incentive to recycle the corrugated cardboard, they may continue to dispose of it in landfills. The only viable alternative available appears to be recycling of corrugated cardboard by source separation by local commercial and industrial establishments.

Industrial / Commercial Recycling Recommendations

The Region should encourage the recycling of corrugated cardboard through education and possible development of economic incentives or penalties. Chapter 9 will address the education issue. Economic incentives could include a surcharge in the form of higher solid waste collection and / or disposal costs for establishments who do not recycle their cardboard. Wayne County will continue with it's current program for corrugated cardboard collection.

Industrial / Commercial Recycling Program Specifics

Table 6-3 presents the specifics of the industrial / commercial recycling program.

**Table 6-3
 Industrial / Commercial Recycling Program Specifics**

Year	Public Education Program	Surcharge on Corrugated Cardboard Disposal	Percent Reduction in Solid Waste
1994			0.96
1995			1.75
1996			1.75
1997			1.75
1998			1.75
1999			1.75
2000			1.75
2001			1.75
2002			1.75
2003			1.75

Recycling Program Size

The recycling program in the Shiloh area will begin small and grow as the public is educated and accepts the idea that recycling is the "right thing to do." Table 6-4 presents the number of households and businesses expected to participate over the 10-year planning period.

**Table 6-4
 Shiloh Area Recycling Program Participation Summary**

Year	# Homes Served	% of Homes Served	# of Businesses Served
1994	2,500	8.5	40
1995	3,700	12.6	50
1996	4,900	16.7	60
1997	6,100	20.8	80
1998	6,400	21.8	95
1999	6,700	22.8	110
2000	7,000	23.9	125
2001	7,350	25.1	135
2002	7,960	27.1	140
2003	8,575	29.2	150

Quantity of Materials Recycled

Table 6-5 presents the estimated quantity of materials which will be recycled over the 10 - year period. Chester county from December, 1992, to November, 1993, recycled 2.45% of the collected solid waste stream. Wayne county recycled approximately 6.9% of the collected solid waste stream in 1992.

Table 6-5
Estimated Quantities of Materials Recycled

Year	Tons / Year Recycled ¹	% of Waste Stream Recycled ²
1994	1,109	2.0
1995	2,197	4.0
1996	2,198	4.0
1997	2,199	4.0
1998	2,200	4.0
1999	2,201	4.0
2000	2,201	4.0
2001	2,199	4.0
2002	2,197	4.0
2003	2,195	4.0

1. From Table 4-6
2. Tons recycled divided by total waste stream (population from Table 1-6 times 0.77 from page 4-2).

Service Area and Location of Sites

The service area for recycling will be the entire region. Emphasis will be added in the incorporated urban areas, industries and commercial establishments. Recycling drop off points will be at two convenience centers in Chester County, six in Hardin County and nine in McNairy County. Wayne County will continue with it's current programs.

Program Implementation and Operation

The capital cost of the program will vary from county to county depending on how many drop off points are established. A typical cost for establishing a drop off point at an existing convenience center is \$7,500. Table 6-6 outlines the anticipated capital costs by county to establish drop off collection points as outlined above. The same trucks used for the collection boxes at the existing convenience centers will also be used for recyclables collection bins.

**Table 6-6
 Recycling Program Capital Cost**

Year	Chester	Hardin	McNairy	Wayne ¹
1994	\$7,500	\$7,500	\$7,500	-
1995	-	\$7,500	\$7,500	-
1996	\$7,500	\$7,500	\$7,500	-
1997	-	\$7,500	\$7,500	-
1998	-	\$7,500	\$7,500	-
1999	-	\$7,500	\$7,500	-
2000	-	-	\$7,500	-
2001	-	-	\$7,500	-
2002	-	-	\$7,500	-
2003	-	-	-	-
Total	\$15,000	\$45,000	\$67,500	\$0

1. Wayne County currently has a well run recycling program in place.

Funding Plan

The recycling program revenue will be a very small part of the funds necessary to operate and maintain the recycling in the counties. As a general rule, less than 50% of the revenue necessary to make recycling self supporting is generated; the balance must come from other sources.

Counties will elect their own method of securing the necessary funds. Should a tax increase be chosen to fund the recycling program, Table 6-7 presents the tax rate necessary to fund the recycling program in each county.

**Table 6-7
 Tax Rate Increase Necessary to
 Fund Recycling**

County	Assessed Property Value ¹	Yearly Revenue Needed ²	Tax Rate Increase Necessary / \$100
Chester	\$66,141,000	\$1,500	\$0.0022
Hardin	\$262,896,000	\$4,500	\$0.0016
McNairy	\$274,405,000	\$6,750	\$0.0025
Wayne	\$92,312,536	\$0	\$0

1. From Needs Assessment Report or County Executive

2. Total cost shown in Table 6-6 divided by 10 - years

In Chester County a \$0.01 increase in the property tax rate will increase the yearly tax revenue approximately \$6,600; \$26,000 in Hardin County; \$27,000 in McNairy County and \$9,000 in Wayne County.

The State offers a grant program for recycling collection site equipment. The following is § 68-211-825 of the Solid Waste Act.

§ 68-211-825. Grant program - Recycling collection site equipment - State surcharge on tipping fee - Rebate. - (a) From funds available from the solid waste management fund, the Department shall establish a grant program for the purchase of equipment needed to establish or upgrade recycling at a public or not-for-profit recycling collection site. Such equipment may include but is not limited to containers, balers, crushers and grinders.

Markets

Finding stable markets for collected recyclables is vital to the success of any recycling program. It is foolish to collect, separate, and store recyclables only to bury them. A recycling coordinator should be appointed for each county. See Chapter 11, Staffing and Training Requirements. One of their duties will be to find markets for the collected recyclables. The State of Tennessee will also provide assistance. The following are sections from the Solid Waste Act of 1991.

§ 68-211-826. Office of cooperative marketing for recyclables - Duties. - (a) From funds available from the solid waste management fund, by July 1, 1992, the department of economic and community development shall establish an office of cooperative marketing for recyclables.

(b) The duties of the office of cooperative marketing for recyclables include:

- (1) Preparing and maintaining a directory of regional buyers, which shall include current information on product specifications, markets and price ranges;
- (2) Preparing and maintaining a directory of public and private, for profit and nonprofit recycling program;
- (3) Collecting information on the quantity and quality of materials offered for sale by recycling programs;
- (4) Assisting counties in contract negotiation;
- (5) Creating a database for and operating an interactive information clearinghouse and marketing service, which shall include pricing information; and
- (6) Maintaining an inventory of available quantities, qualities and locations of recyclable materials in Tennessee, and marketing such sites to industries which can utilize available materials. [Act 1991, ch. 451, § 30; T.C.A. § 68-31-826.]

§ 68-211-826. Recycling market advisory council. – From funds available in the solid waste management fund established by § 68-211-821, the commissioner of economic and community development shall appoint and convene a recycling market advisory council to assist the department of economic and community development in identifying markets and to advise the department on the expansion of markets for recyclables. Such council shall include representatives from the for-profit recycling business sector, nonprofit recycling sector, nonprofit or volunteer environmental organizations, and the manufacturing sector. [Act 1991, ch. 451, § 30; T.C.A. § 68-31-826.]

Summary

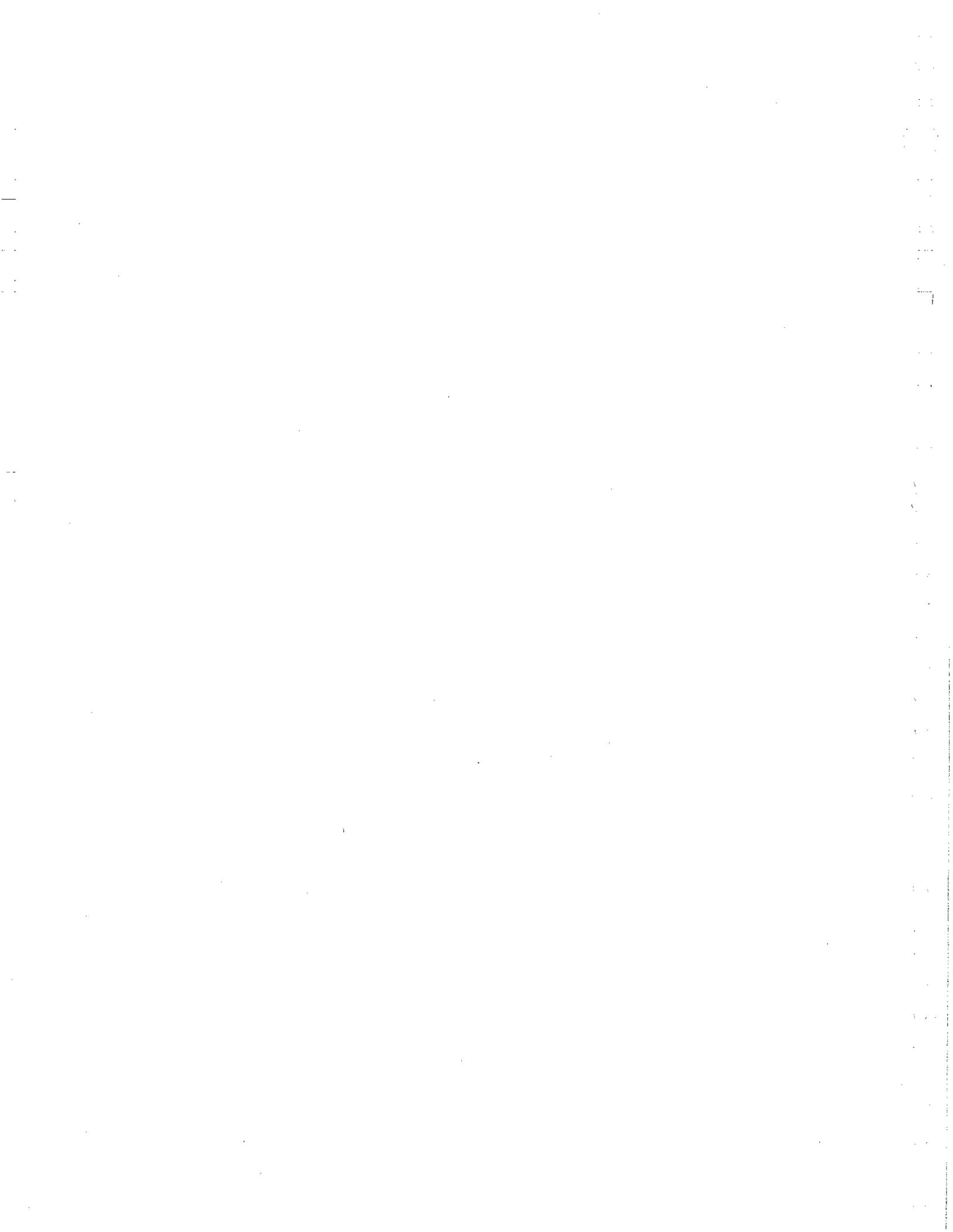
Each county will establish a viable recycling program. Chester has a good program started. Wayne county will continue their excellent program.



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Chapter 7

Composting, Solid Waste Processing, Waste-to-Energy and Incineration Capacity

General

This chapter will examine the viability of various alternative methods of waste disposal and determine their suitability for implementation within the region. The region currently manages its wastes efficiently, effectively, and in a manner consistent with applicable regulations. Composting, solid waste processing, waste to energy, and incineration were all examined in the compilation of this plan and none, with the exception of composting of yard wastes, were found to be economically feasible or necessary for the future needs of the region. The solid waste generated is not of sufficient quantity or composition to warrant the development of such systems within the region.

Waste-to-Energy / Incineration

The Shiloh Solid Waste Region currently has no regionally owned or county owned or operated waste-to-energy or incineration facilities. Also, no such privately owned facilities exist.

Chapter 3 indicates the region has no quantitative need for such facilities. There is no indication that future waste generation rates or current needs will change sufficiently to support such facilities. Also due to the sociological and environmental problems and high cost associated with waste to energy facilities, such a facility is not feasible for the region. There was a recent feasibility study conducted regarding the feasibility of constructing a refuse derived fuel (RDF) system consisting of a mixed refuse recycling facility (MRF), incinerator and a regional ash and "other" landfill to serve several counties in Alabama. The incinerator would be constructed at the (under construction) Wisconsin Tissue Mill plant and would burn 75% MSW and 25% paper mill sludge. Steam would be sold to the paper mill. Hardin County and Wayne County were included in the study but were not recommended for inclusion because they increased the tipping fee necessary by about \$4.00 per ton. One of the proposals was to sell steam to TVA; however, the paper mill option was more lucrative. TVA offered to design, build, own and operate the incinerator at its Colbert Steam plant for 12% of the capital cost; however, this was calculated to cost \$10 to \$11.50 per ton more tipping fee than public financing.

This disposal option cost estimate is included in Chapter 8. It is unknown at this time if this project will proceed or not.

Composting

In an effort to better utilize its facilities and to aid in meeting the State mandated reduction goals, the counties within the region will compost all yard wastes received which were previously disposed of in the landfills. The public will also be encouraged to undertake composting on an individual basis. The region currently disposes of an estimated 10,167 tons of such waste annually, see Table 2-4. These wastes will be diverted from the stream and composted at suitable sites throughout the region. The preferred site for this composting will be at the planned Class III/IV landfills being considered.

The region will prepare a flyer as part of its public outreach and education program outlining to the public the importance of composting and explaining how to compost at "home." This can be implemented at a minimal cost and scheduled along with the programs discussed in Chapter 9 of this plan.

Waste Processing Facilities

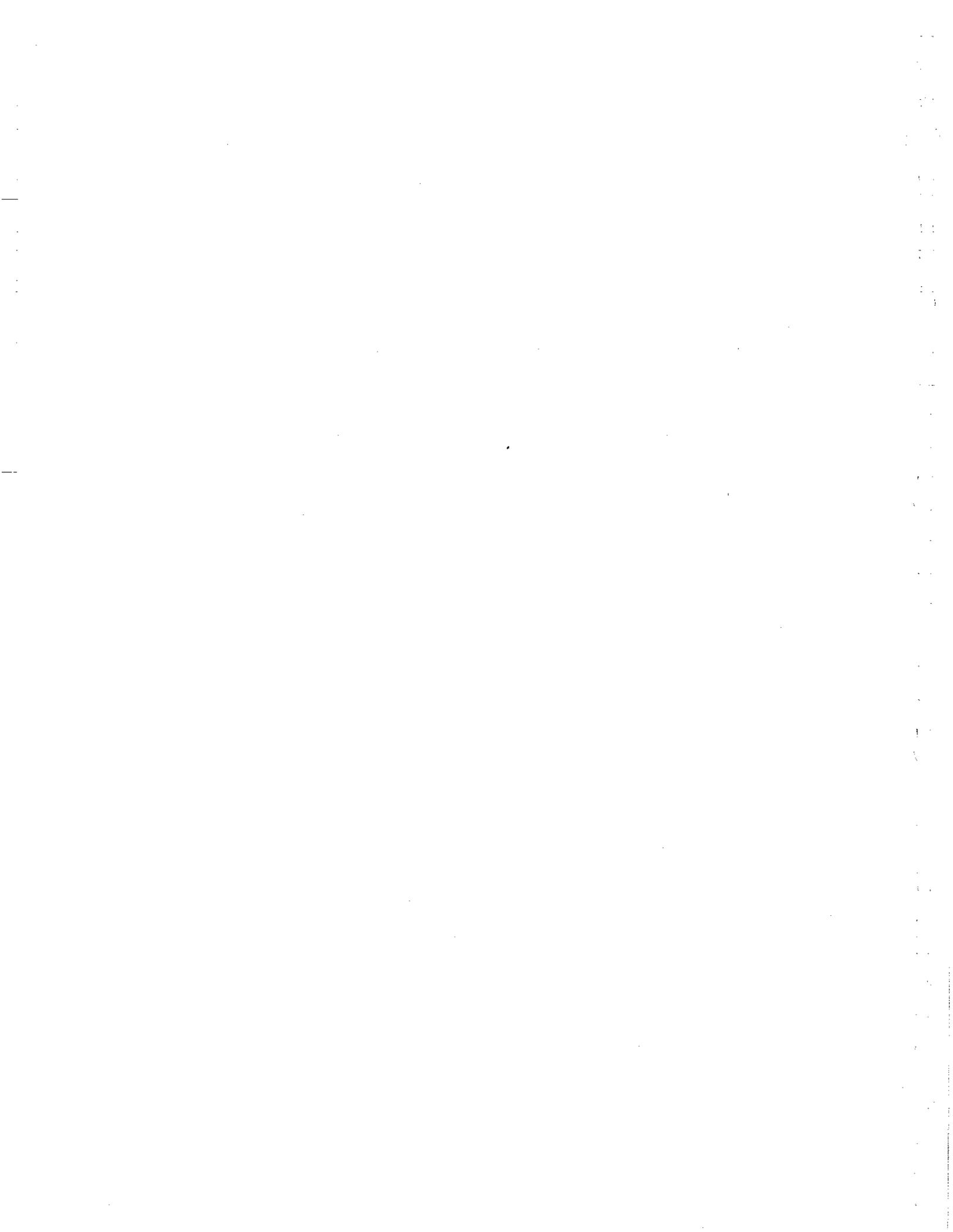
The Shiloh Solid Waste Planning Region currently has one county owned and operated waste processing facility. Wayne County currently bales all its waste, with the exception of recyclables, for transportation to the McNairy County Landfill. Using a per capita generation rate of 0.77 ton/person annually, this amounts to roughly 10,721 tons of waste baled annually if all the unmanaged waste in the county was collected. This quantity does not exceed the design capacity of roughly 35,000 tons per year for the county baler nor is it expected to for the scope of this plan.

Chapter 3 indicates the region has no quantitative need for any such facilities in the other regional counties. There is no indication, under the current disposal plan, that future waste generation rates or current needs will change to support another facility in Wayne County or new facilities in the other counties. Therefore, due to the cost incurred from the establishing of such a facility and the lack of quantitative need, no other facility is planned in the future.

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Chapter 8 Disposal Capacity

Needs Versus Supply

Using Chapters 2 and 3 as a basis, Tables 8-1, 8-2, 8-3 and 8-4 present the disposal needs of Chester, Hardin, McNairy and Wayne Counties respectively compared with the current supply for the 10-year study period.

**Table 8-1
 Disposal Needs Compared to the Supply for Chester County**

Year	Demand (tons) ¹	Supply (tons)	Surplus (+)	Shortfall (-)
1994	8,597	0	0	-8,597
1995	7,315	0	0	-7,315
1996	7,317	0	0	-7,317
1997	7,319	0	0	-7,319
1998	7,321	0	0	-7,321
1999	7,322	0	0	-7,322
2000	7,324	0	0	-7,324
2001	7,322	0	0	-7,322
2002	7,319	0	0	-7,319
2003	7,317	0	0	-7,317

1. Population (Table 1-6) times 0.67 for 1994 and population (Table 1-6) times 0.57 (from page 4-2) for 1995 and later years

**Table 8-2
 Disposal Needs Compared to the Supply for Hardin County**

Year	Demand (tons) ¹	Supply (tons)	Surplus (+)	Shortfall (-)
1994	15,312	0	0	-15,312
1995	13,058	0	0	-13,058
1996	13,090	0	0	-13,090
1997	13,122	0	0	-13,122
1998	13,153	0	0	-13,153
1999	13,185	0	0	-13,185
2000	13,217	0	0	-13,217
2001	13,228	0	0	-13,228
2002	13,239	0	0	-13,239
2003	13,249	0	0	-13,249

1. Population (Table 1-6) times 0.67 for 1994 and population (Table 1-6) times 0.57 (from page 4-2) for 1995 and later years

Table 8-3
Disposal Needs Compared to the Supply for McNairy County

Year	Demand (tons) ¹	Supply (tons) ²	Surplus (+)	Shortfall (-) ³
1994	14,950	132,000	+88,000	0
1995	12,703	88,000	+44,000	0
1996	12,688	44,000	0	0
1997	12,672	0	0	-12,672
1998	12,657	0	0	-12,657
1999	12,642	0	0	-12,642
2000	12,626	0	0	-12,626
2001	12,590	0	0	-12,590
2002	12,555	0	0	-12,555
2003	12,520	0	0	-12,520

1. Population (Table 1-6) times 0.67 for 1994 and population (Table 1-6) times 0.57 (from page 4-2) for 1995 and later years
2. McNairy County will accept waste from Chester, Hardin and Wayne Counties until 1996.
3. Shortfall for McNairy county only.

Table 8-4
Disposal Needs Compared to the Supply for Wayne County

Year	Demand (tons) ¹	Supply (tons)	Surplus (+)	Shortfall (-)
1994	9,327	0	0	-9,327
1995	7,933	0	0	-7,933
1996	7,930	0	0	-7,930
1997	7,929	0	0	-7,939
1998	7,926	0	0	-7,926
1999	7,925	0	0	-7,925
2000	7,922	0	0	-7,922
2001	7,908	0	0	-7,908
2002	7,894	0	0	-7,894
2003	7,879	0	0	-7,879

1. Population (Table 1-6) times 0.67 for 1994 and population (Table 1-6) times 0.57 (from page 4-2) for 1995 and later years

Table 8-5 summarizes this same data for the region.

**Table 8-5
 Projected Net Disposal Capacity, Shortfalls and Surpluses**

Year	Chester ¹	Hardin ²	McNairy ³	Wayne ⁴
1994	-8,597 ⁵	-15,312	+88,000	-9,327
1995	-7,315	-13,058	+44,000	-7,933
1996	-7,317	-13,090	0	-7,930
1997	-7,319	-13,122	-12,672	-7,930
1998	-7,321	-13,153	-12,657	-7,926
1999	-7,322	-13,185	-12,642	-7,925
2000	-7,324	-13,217	-12,626	-7,922
2001	-7,322	-13,228	-12,590	-7,908
2002	-7,319	-13,239	-12,555	-7,894
2003	-7,317	-13,249	-12,520	-7,879

1. From Table 8-1
2. From Table 8-2
2. From Table 8-3
2. From Table 8-4
5. - indicates capacity shortfall
6. + indicates capacity surplus

Capacity Shortfall

Using Table 8-5 as a basis, the Region has adequate capacity through 1996. Additionally, it can be determined that the Region has a 10-year disposal capacity shortfall. The McNairy County landfill will serve the entire region until it closes in late 1996. Chester County is in the process of applying for a permit for operation of a new landfill. It could be used for the period 1996 through 2003 and beyond, however, the region has agreed to considering other options if they are less expensive to implement. The anticipated capacity of the Chester County Landfill is in excess of the Region's 10-year needs.

Regional Goals and Objectives

The Region has agreed to use the McNairy County landfill until it closes in 1996. Also, Chester County has agreed to continuing its pursuit of a permit to operate its new landfill. Once this operating permit is issued, an estimated disposal cost for the new landfill based on the actual permit conditions will be developed. If this cost is comparable to the cost of disposal at other available landfills, the landfill could be developed as a regional landfill. If the landfill becomes a regional landfill, then the region should reimburse Chester County for its expense of getting the landfill permitted and take over ownership and operation of the landfill.

Table 8-6 presents the disposal costs of the other available disposal sites.

**Table 8-6
 Disposal Costs at Area Landfills**

Landfill	Cost per Ton at the Gate
West Camden Sanitary Landfill	\$27.00
Decatur County	\$28.00 (\$22.00 Baled)
Jere T. Kirk (Dyersburg)	\$20.85
BFI (Millington)	\$25.00

Table 8-7 presents the one way distances from the county seats to the various landfills.

**Table 8-7
 Distances from County Seats to
 Various Landfills
 (one way miles)**

	Chester	Hardin (without new bridge)	Hardin (with new bridge)	McNairy	Wayne (without new bridge)	Wayne (with new bridge)
to Chester	5	50	50	25	80	80
to Decatur	40	54	50	60	85	45
to West Camde	75	80	80	95	90	80
to BFI	90	190	190	190	205	180
to Kirk	50	115	115	70	160	140

Tables 8-8 through 8-11 presents the total transportation and disposal costs for the various landfills for Chester, Hardin, McNairy and Wayne Counties respectively.

**Table 8-8
 Transportation and Disposal Costs Per Ton
 Chester County**

Landfill	Transportation Cost ¹	Tipping Fee ²	Total Cost
Decatur	\$9.41	\$28.00	\$37.41
West Camden	\$16.11	\$27.00	\$43.11
BFI	\$18.78	\$25.00	\$43.78
Kirk	\$11.36	\$20.85	\$32.21

1. Based on distances shown in Table 8-7 and "Solid Waste And Other Costs," The University of Tennessee County Technical Assistance Service, Page 36. Truck driver labor at \$10.00 per hour.
2. Based on Table 8-6.

**Table 8-9
 Transportation and Disposal Costs Per Ton
 Hardin County**

Landfill	Transportation Cost (Without new bridge) ¹	Transportation Cost (With new bridge) ¹	Tipping Fee ²	Total Cost (without new bridge)	Total Cost (with new bridge)-
Decatur	\$12.27	\$11.36	\$28.00	\$40.27	\$39.36
West Camden	\$17.19	\$17.19	\$27.00	\$44.19	\$44.19
BFI	\$39.64	\$39.64	\$25.00	\$64.64	\$64.64
Kirk	\$23.99	\$15.04	\$20.85	\$44.84	\$44.84

1. Based on distances shown in Table 8-7 and "Solid Waste And Other Costs," The University of Tennessee County Technical Assistance Service, Page 36. Truck driver labor at \$10.00 per hour.
2. Based on Table 8-6.

**Table 8-10
 Transportation and Disposal Costs Per Ton
 McNairy County**

Landfill	Transportation Cost ¹	Tipping Fee ²	Total Cost
Decatur	\$13.63	\$28.00	\$41.63
West Camden	\$19.82	\$27.00	\$46.82
BFI	\$39.64	\$25.00	\$64.64
Kirk	\$15.04	\$20.85	\$35.89

1. Based on distances shown in Table 8-7 and "Solid Waste And Other Costs," The University of Tennessee County Technical Assistance Service, Page 36. Truck driver labor at \$10.00 per hour.
2. Based on Table 8-6.

Table 8-11
Transportation and Disposal Costs Per Ton
Wayne County

Landfill	Transportation Cost (without new bridge) ¹	Transportation Cost (with new bridge) ¹	Tipping Fee ²	Total Cost (without New bridge)	Total Cost (with new bridge)
Decatur	\$18.26	\$10.59	\$22.00	\$40.26	\$32.59
West Camden	\$19.33	\$17.19	\$27.00	\$46.33	\$44.19
BFI	\$42.77	\$35.56	\$25.00	\$67.77	\$60.56
Kirk	\$33.38	\$29.21	\$20.85	\$54.23	\$50.06

1. Based on distances shown in Table 8-7 and "Solid Waste And Other Costs," The University of Tennessee County Technical Assistance Service, Page 36. Truck driver labor at \$10.00 per hour.
2. Based on Table 8-6.

It is assumed that a transfer station will be required for all but Wayne County (Wayne County already has a bailer which serves as a transfer station) for the Decatur, West Camden Sanitary Landfill, BFI Landfill and the Kirk Landfill. Table 8-12 presents the estimated costs associated with a transfer station.

**Table 8-12
 Transfer Station Costs
 (per Ton)**

Element	Estimated Cost
Land	\$10,000 ¹
Transfer Station equipment ²	\$220,000
office ³	\$25,000
site work ⁴	\$75,000
utilities ⁵	\$7,000
fence ⁶	\$18,000
electrical fee ⁷	\$10,000
contingency	\$55,000
Total	\$420,000
Cost per Ton⁸	
Chester County (20tpd⁹)	\$13.30
Hardin County(36 tpd¹⁰)	\$7.39
McNairy County (35tpd¹¹)	\$7.60

1. Based on 5 acres at \$2,000 per acre..
- 2 Equipment includes two walking bed trailers and a tractor. Estimated cost from "Solid Waste Transportation and Other Costs," The University of Tennessee County Technical Assistance Service, page 40.
3. 500 square feet, heated, cooled, utilities.
- 4 Includes site preparation, paving, concrete for pads for trailers concrete retaining wall for truck ramp.
5. Includes water, sewer and electrical.
- 6 Approximately 1250 linear feet of 6 foot high chain link fence.
- 7 The transfer station is a high demand, low usage electrical user. This fee is an estimate of what the electrical supplier may charge to provide the electrical service to the site
8. Based on public financing at 6% for 20 years and \$60,500 per year of operation and maintainance costs (\$97,118 total yearly cost).
9. 1995 Tons (Table 8-1) divided by 365
10. 1995 Tons (Table 8-2) divided by 365
11. 1995 Tons (Table 8-3) divided by 365

Using Tables 8-8 through 8-12 as a basis, Table 8-13 presents a summary for the various alternatives.

Table 8-13
Alternative Transportation and Disposal Costs To Area Landfills and Refuse Derived Fuel Alternative Summary

Landfill	Chester			Hardin			Refuse Derived Fuel System Least Cost Alternative ⁴
	Transportation Cost ¹	Transfer Station Cost ²	Tipping Fee ³	Transportation Cost (with/without bridge) ¹	Transfer Station Cost ²	Tipping Fee ³	
West Camden	\$16.11	\$13.30	\$27.00	\$17.19/\$17.19	\$7.39	\$27.00	\$51.58/\$51.58
BFI	\$18.78	\$13.30	\$25.00	\$39.64/\$39.64	\$7.39	\$25.00	\$72.03/\$72.03
Kirk	\$11.36	\$13.30	\$20.85	\$23.99/\$15.04	\$7.39	\$20.85	\$52.23/\$43.28
Decatur Co.	\$9.41	\$13.30	\$28.00	\$12.27/\$11.36	\$7.39	\$28.00	\$47.66/\$46.75

Landfill	McNairy			Wayne			Refuse Derived Fuel System Least Cost Alternative ⁴
	Transportation Cost ¹	Transfer Station Cost ²	Tipping Fee ³	Transportation Cost (with/without bridge) ¹	Transfer Station Cost ⁵	Tipping Fee ³	
West Camden	\$19.82	\$7.60	\$27.00	\$19.33/\$17.19	\$0	\$27.00	\$46.33/\$44.19
BFI	\$39.64	\$7.60	\$25.00	\$42.77/\$35.56	\$0	\$25.00	\$67.77/\$60.56
Kirk	\$15.04	\$7.60	\$20.85	\$33.38/\$29.21	\$0	\$20.85	\$54.21/\$50.06
Decatur Co.	\$13.63	\$7.60	\$28.00	\$18.26/\$10.59	\$0	\$22.00	\$40.26/\$32.59

1. Based on Tables 8-8, 8-9, 8-10 or 8-11.

2. Based on Table 8-12.

3. Based on Table 8-6.

4. Based on Table 9.2, following page 11, "Engineering & Economic Study Regional Recycling and Refuse Derived Fuel Facility South Central Tennessee for Hardin, Lawrence, Lewis and Wayne Counties, Tennessee," March 1993, Draper Aden Associates, Nashville, Tennessee.

5. Wayne County already has a Baler which serves as a transfer station.

Future Disposal Site

The Chester County landfill is currently under review for permitting and could become the Region's disposal site. Its location is as shown on Figure 8-1. Figures 8-2 through 8-5 are geologic features maps for the Region's four counties. Figure 8-6 is a key for these figures. Should the Chester County landfill be developed into a regional landfill, Table 8-14 presents the transportation costs of the various counties in the Region.

Table 8-14
Transportation Cost to Regional Landfill

County	One Way Miles to Landfill ¹	Cost per Ton ²
Chester	5	\$1.83
Hardin	50	\$13.26
McNairy	25	\$7.71
Wayne	80	\$20.06

1. From Table 8-7
2. Miles times cost per one way mile taken from page 44, "Solid Waste: Transportation and Other Costs", The University of Tennessee Technical Assistance Service. Driver assumed to be paid \$10.00 per hour.

Table 8-15, on the following page, presents the estimated total cost of the regional landfill for the various counties. Using Table 8- 13 and 8-15 as a basis, it would be less expensive to develop a regional landfill in Chester County to serve Chester, Hardin and McNairy Counties; Wayne County would go to the Decatur County Landfill.

If the Chester County landfill is permitted and constructed, it is estimated that it could be ready to receive wastes by December, 1996. The Region's solid waste should be disposed of in an environmentally safe manner, as inexpensively as possible (see Goals, Chapter 9). It is estimated that the landfill permit will receive final approval by August, 1994 (see Table 8-18). At that time, the Region should receive bids from all interested commercial landfills and compare the disposal and transportation costs to utilize a commercial landfill versus the total cost to develop the Chester County landfill into a Regional landfill and select the alternative that is best for the Region. If it is decided to develop the Chester County landfill into a Regional landfill, an Authority should be formed to purchase the permit, develop and operate the landfill.

Table 8-15
Total Regional Landfill Cost Per Ton

County	Transportation Cost ¹	Transfer Station Cost ²	Disposal Cost with All Counties ³	Total Cost with All Counties	Disposal Cost without Wayne County ⁴	Total Cost without Wayne County
Chester	\$1.83	\$0 ⁵	\$25	\$26.83	\$27	\$28.83
Hardin	\$13.26	\$7.39	\$25	\$45.65	\$27	\$47.65
McNairy	\$7.71	\$7.60	\$25	\$40.31	\$27	\$42.31
Wayne	\$20.06	\$0 ⁶	\$25	\$45.06	N/A	N/A

1. From Table 8-14
2. From Table 8-12
3. From "Guidelines for Decision Makers: Solid Waste Management", The University of Tennessee County Technical Assistance Service, November, 1991. Based on 131 tons per day contribution to the landfill as outlined for 1994 in Tables 8-1, 8-2, 8-3 and 8-4.
4. From "Guidelines for Decision Makers: Solid Waste Management", The University of Tennessee County Technical Assistance Service, November, 1991. Based on 106 tons per day contribution to the landfill as outlined for 1994 in Tables 8-1, 8-2 and 8-3.
5. A transfer station is not needed with the landfill in the County.
6. Wayne County already has a bailer facility which serves as a transfer station.

Factors other than cost should be considered before a final decision regarding disposal is made. There are advantages and disadvantages in operating a Regional landfill. Likewise there are advantages and disadvantages in using a third party landfill. These are listed in Tables 8-16 and 8-17.

**Table 8-16
 Third Party Landfill Use
 Advantages and Disadvantages**

Advantage	Disadvantage
1. Region is not responsible for the day to day operation of a landfill.	1. Unless safeguards are written into the contract, the third party could increase the tipping fee substantially at the end of the contract period thus leaving the Region without a disposal option.
2. Region does not have responsibility for permit compliance.	2. The third party could go bankrupt during the contract term and leave the Region without a disposal option.
3. The Region would not have to go to the expense and trouble to obtain a landfill permit.	3. The third party could allow unauthorized waste to be placed into the landfill which might later cause environmental impacts for which the Region would be responsible if the Landfill owner went bankrupt..
4. The Region would not have to form an authority to operate a landfill.	4. The third party could operate the landfill in such a fashion that the State would close the landfill thus leaving the Region without a disposal option.
5. The Region would not be responsible for the 30 year closure / post closure care of a landfill.	

**Table 8-17
 Regional Landfill
 Advantages and Disadvantages**

Advantages	Disadvantages
1. The Region would have control over the steps necessary to insure that unauthorized waste will not be placed in the landfill.	1. The region is totally responsible for the day to day operation of a landfill.
2. The region would have some measure of control over the timing and magnitude of capital expenditures.	2. The Region would be the landfill permit holder and thus be legally responsible for the landfill.
	3. The Region would have to go through the permitting process which can be very controversial.
	4. The region would have to form an authority to own, operate and maintain the landfill.
	5. The Region would be responsible for the 30 year closure / post closure care of a landfill.

Implementation Schedule

The plans and Operation and Maintenance Manual for the proposed Chester County landfill were developed under the "old" regulations. They will require revision and submission for approval prior to a permit being issued. It is assumed that this process, along with the required public comment period prior to permit issuance, perhaps a public hearing and issuance of the permit will take twelve months. Once this process is complete, a Regional Landfill Authority will have to be created, the landfill purchased, the permit transferred to the new owner and the landfill will have to be prepared to receive solid waste. Table 8-18 outlines the important milestones, their duration and important dates.

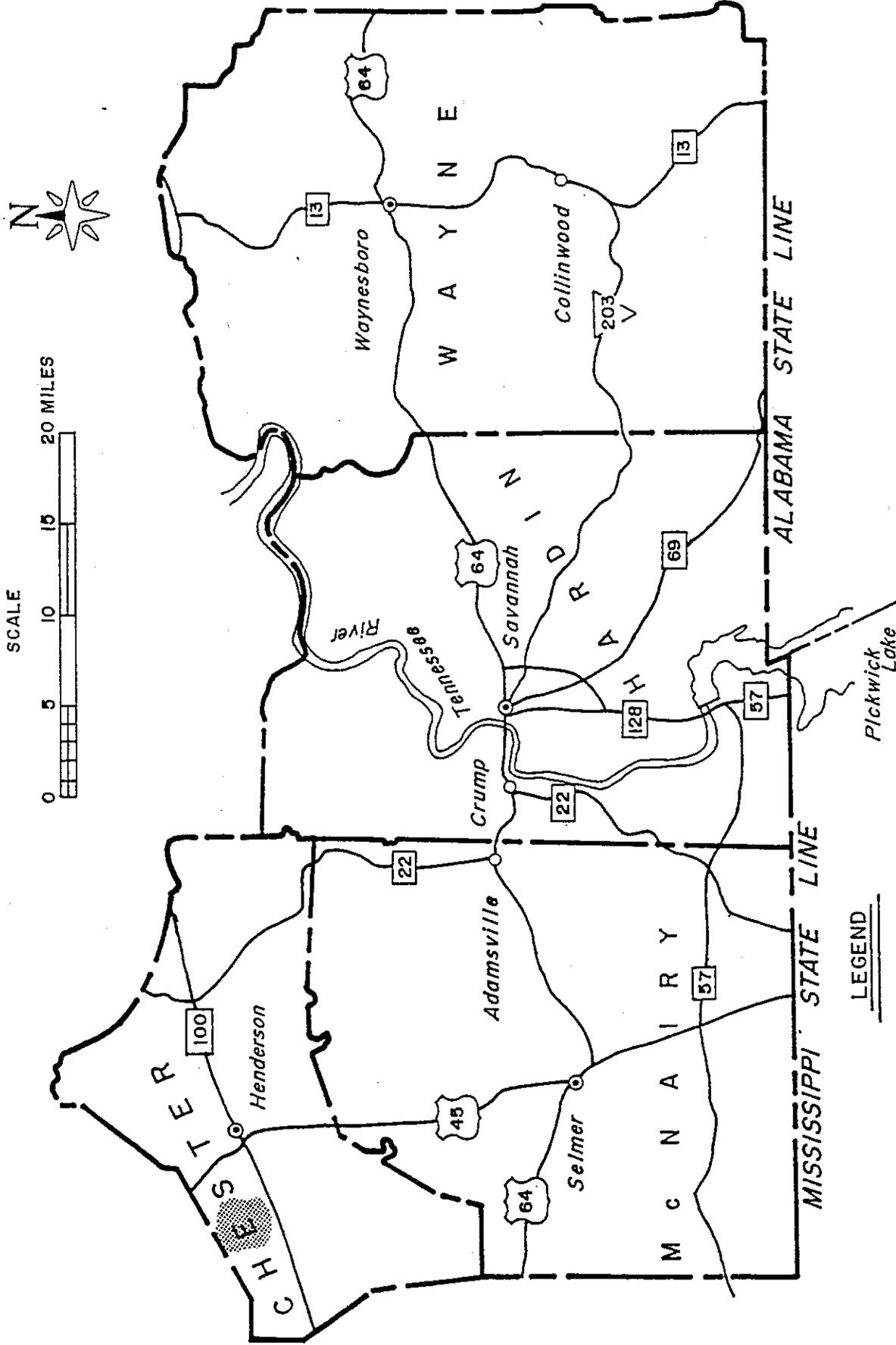
Table 8-18
Implementation Schedule for New Regional Landfill

Milestone	Begin Date	Duration (months)
Use A Third Party Landfill		
<i>Create an Authority</i>	February 1, 1994	2
<i>Receive Bids For Disposal At Area Landfills</i>	August 1, 1994	2
<i>Decide on Selected Alternative</i>	October 1, 1994	2
<i>Negotiate contract to begin in 1996</i>	December 1, 1994	2
Regional Landfill		
<i>Create Authority</i>	February 1, 1994	2
<i>Purchase Landfill and Permit</i>	October 1, 1994	1
<i>Transfer Permit to New Owner</i>	November 1, 1994	1
<i>Select Engineering Consultant to Prepare bid package for preparing landfill to receive wastes</i>	November 1, 1994	4
<i>Preparation of Bid Package</i>	February 1, 1996	4
<i>Bid Landfill Preparation</i>	June 1, 1996	2
<i>Begin Preparation of Site (by Contractor)</i>	July 1, 1996	4
<i>Landfill Operational</i>	October 1, 1996	

In the interim, the Region will utilize the existing McNairy County landfill for disposal.

Summary

The Region should form an Authority. Bids for the long term disposal of the Region's solid waste should be received from existing commercial and area landfills. This cost coupled with its associated transportation cost can be compared with the final estimated cost of development and operation of the Regional landfill plus its transportation cost. Based on this cost evaluation and the non-monetary factors listed in Tables 8-16 and 8-17, a disposal option can be selected for the Region.

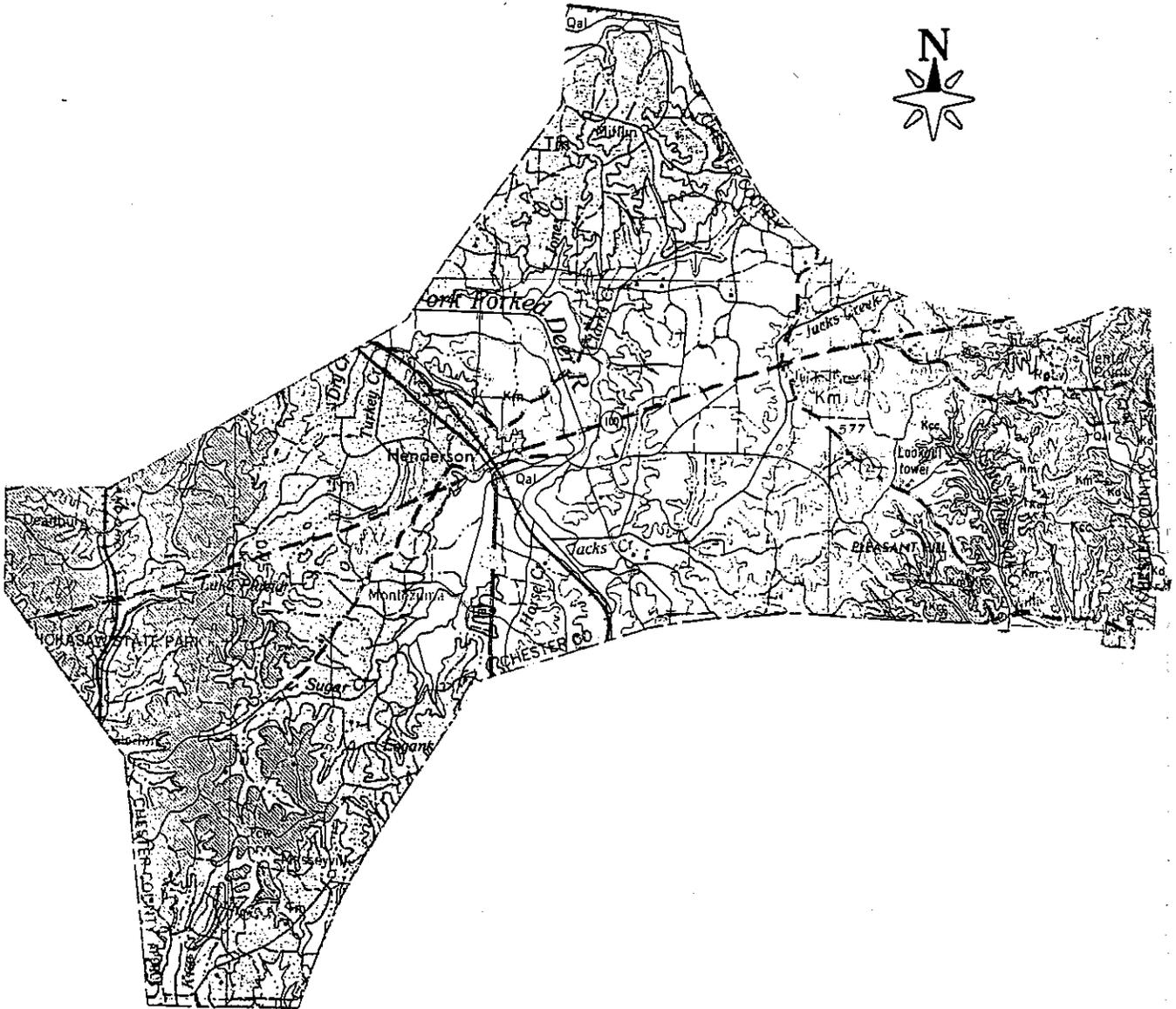


- COUNTY SEAT
- CITY
- ▬ INTERSTATE ROUTE
- ▬ US ROUTE
- ▬ TN STATE PRIMARY

LEGEND

● GENERAL LOCATION OF PROPOSED LANDFILL

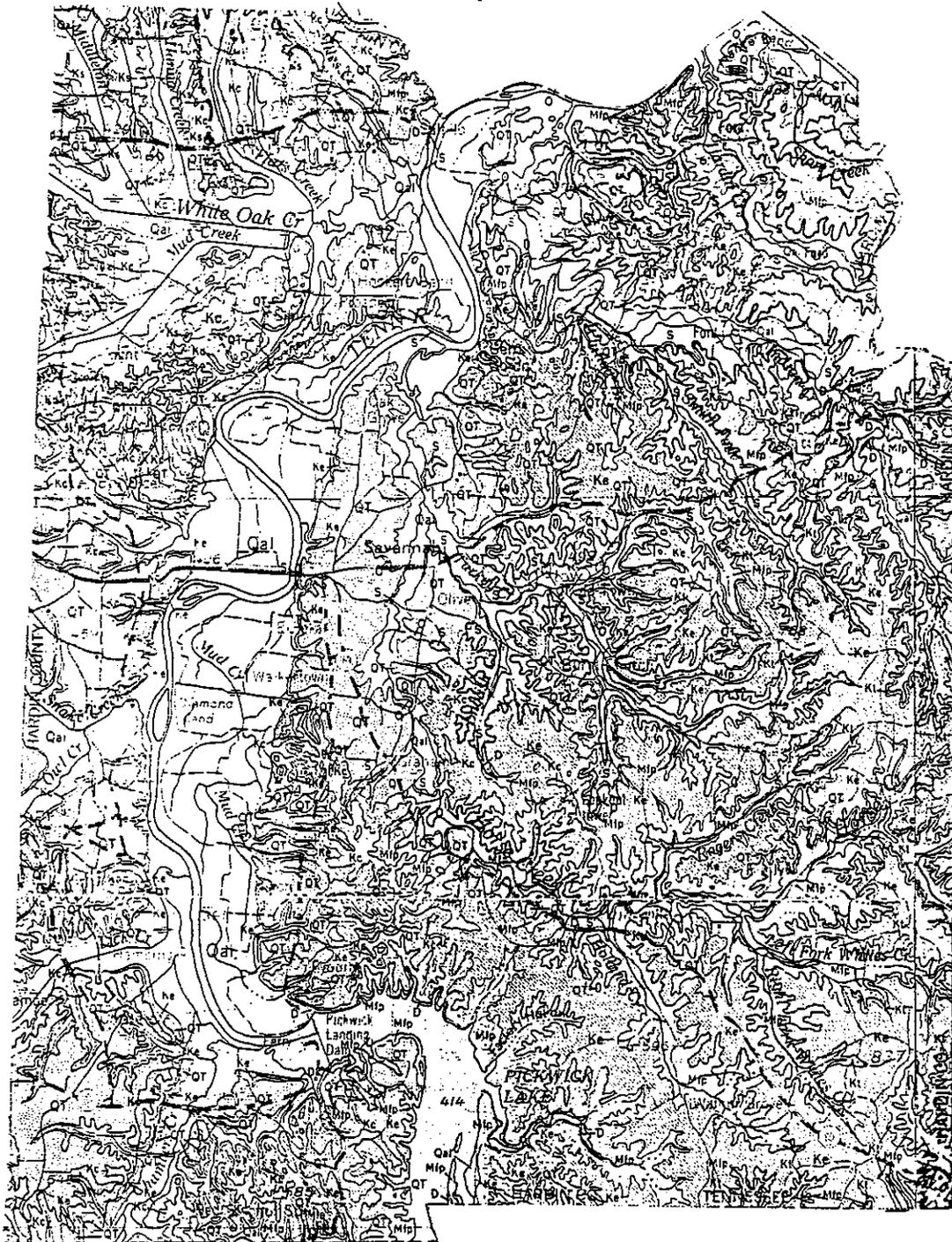
FIGURE 8 - 1
 LOCATION OF PROPOSED CHESTER COUNTY LANDFILL
 FOR SHILOH SOLID WASTE REGION



Scale 1:250,000
 5 0 5 10 Statute Miles
 CONTOUR INTERVAL 100 FEET WITH SUPPLEMENTARY CONTOURS AT 50-FOOT INTERVALS

FIGURE 8-2
GEOLOGIC FORMATIONS
CHESTER COUNTY, TENNESSEE

GRIGGS & MALONEY
 INCORPORATED
 Engineering & Environmental Consulting



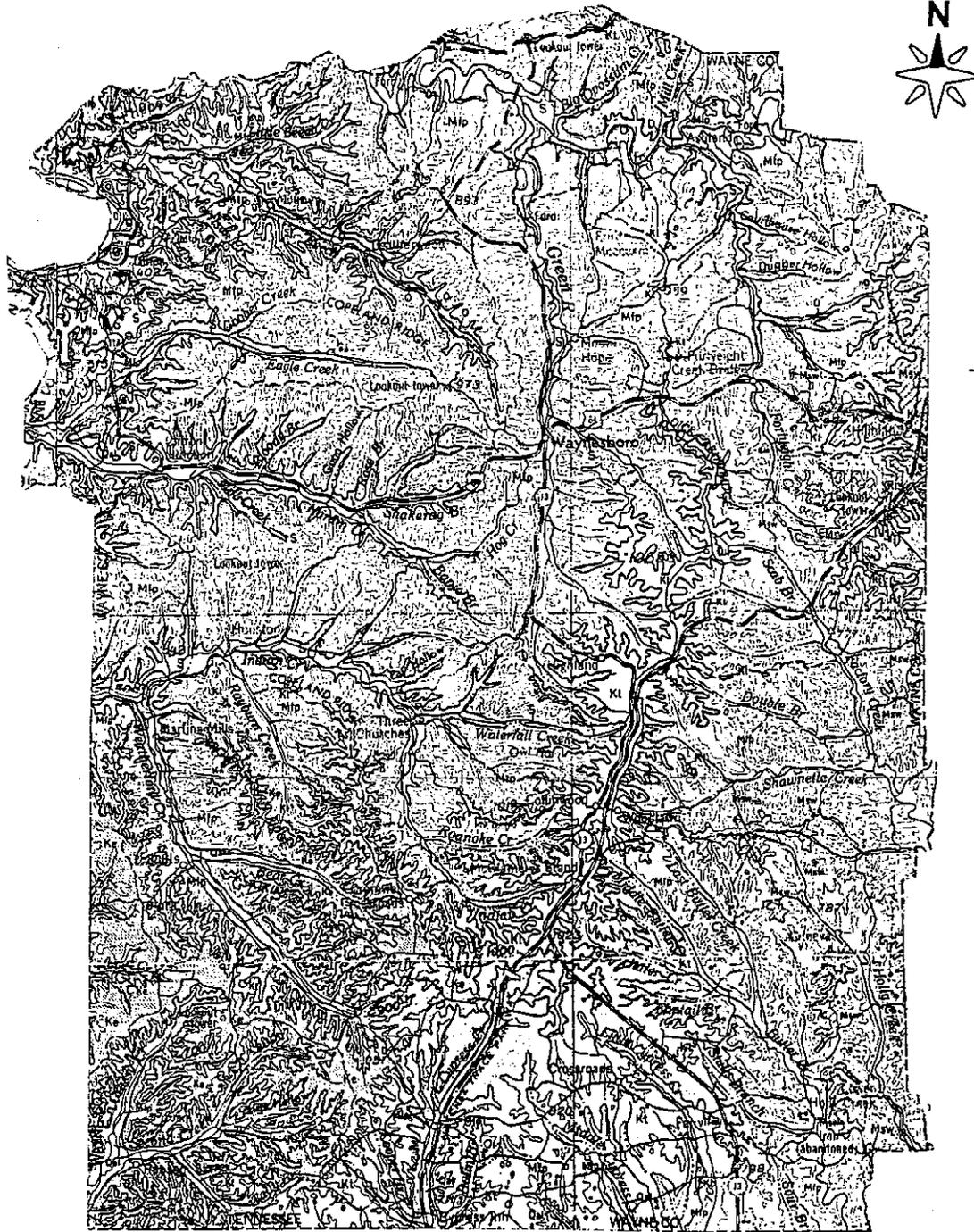
Scale 1:250,000



FIGURE 8-3
GEOLOGIC FORMATIONS
HARDIN COUNTY, TENNESSEE

GRIGGS & MALONEY
 INCORPORATED
 Engineering & Environmental Consulting

P.O. Box 2968 • Murfreesboro, TN 37133-2968 • (615) 895-8221 • FAX (615) 895-0632



5 0 5 10 Statute Miles
 CONTOUR INTERVAL 100 FEET WITH SUPPLEMENTARY CONTOURS AT 50-FOOT INTERVALS

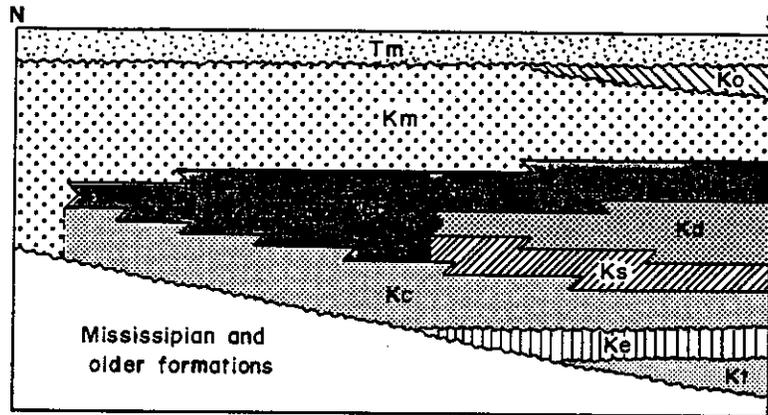
FIGURE 8-5
GEOLOGIC FORMATIONS
WAYNE COUNTY, TENNESSEE

GRIGGS & MALONEY
 INCORPORATED
 Engineering & Environmental Consulting

P.O. Box 2968 • Murfreesboro, TN 37133-2968 • (615) 895-8221 • FAX (615) 895-0632

FIGURE 8-6

GEOLOGIC FORMATIONS
WITH POTENTIAL FOR LANDFILL SITES



Diagrammatic Sketch showing Facies Relationships of Cretaceous Formations

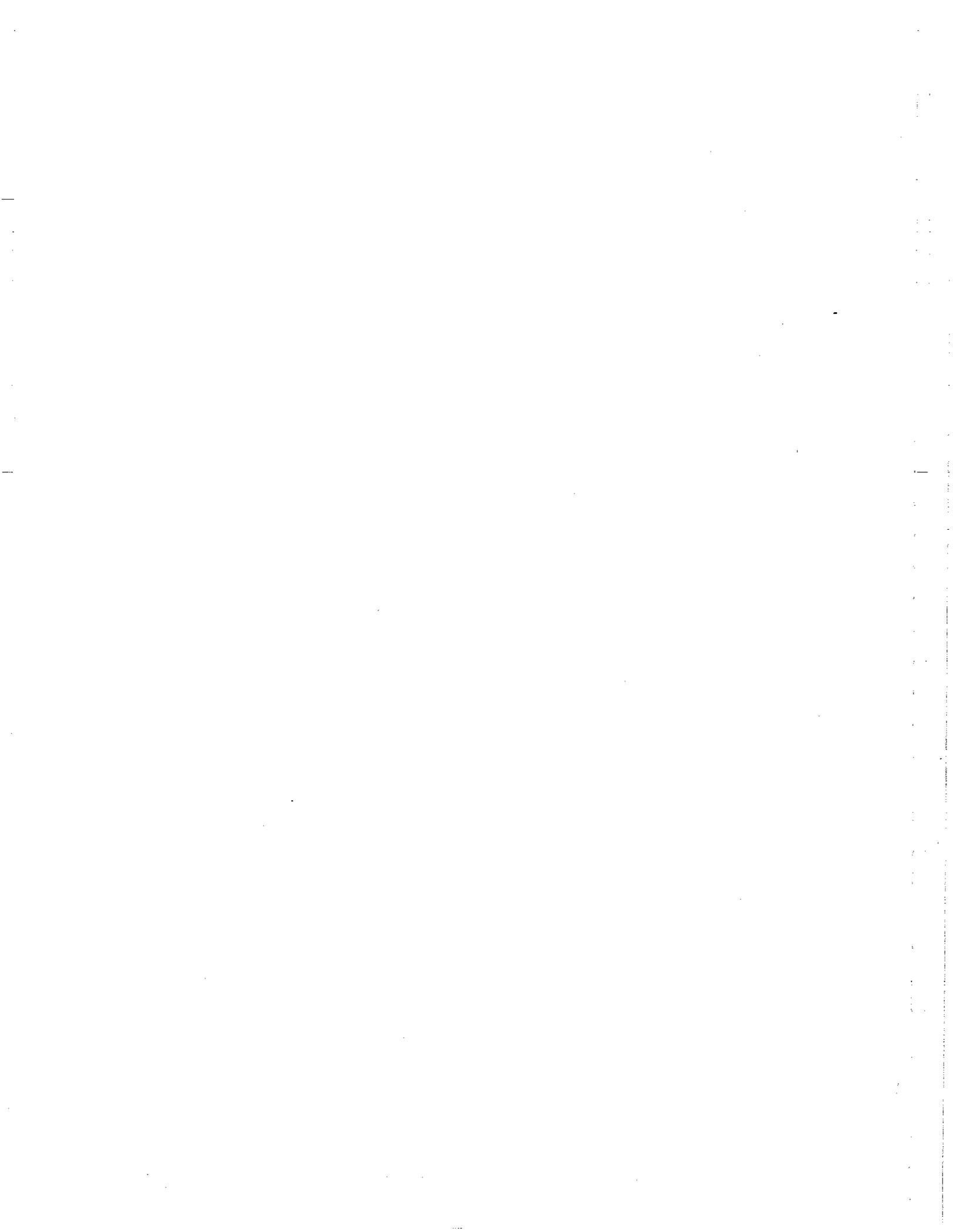
-  CLAIBORNE and WILCOX FORMATIONS — Irregularly bedded sand, locally interbedded with lenses and beds of gray to white clay, silty clay, lignitic clay, and lignite. Thickness more than 400 feet.
-  PORTERS CREEK CLAY — Pale-brown to brownish-gray, massive, blocky clay; locally contains glauconitic sand. Thickness 130 to 170 feet.
- Midway Group

 -  OWL CREEK FORMATION — Sandy clay, greenish-gray, glauconitic, fossiliferous; merges northward into unfossiliferous clays and sands. Thickness 0 to about 40 feet.
 -  MCNAIRY SAND — Predominantly sand, in places interbedded with silty light-gray clays. Fine grained sand at base, locally contains heavy minerals. Thickness about 300 feet.
 -  COON CREEK FORMATION — Fossiliferous, micaceous sand, silty and glauconitic; locally fossiliferous sandy clay at base. Siderite concretions common in upper part. Thickness about 140 feet.
 -  DEMOPOLIS FORMATION — Marl and calcareous clay, light-gray, fossiliferous, locally glauconitic and sandy. Merges northward into sands mapped as Kcc. Maximum thickness 180 feet.
 -  SARDIS FORMATION — Quartz sand and glauconite sand, argillaceous and locally fossiliferous. (Mapped with Kcc north of Beech River.) Maximum thickness 70 feet.
 -  COFFEE SAND — Loose fine-grained sand, light-gray, sparsely glauconitic, locally interbedded with laminated lignitic clay. Thickness 25 to 200 feet; thins northward.
 -  EUTAW FORMATION — Grayish-green sand, fine-grained, glauconitic, micaceous; interbedded with gray laminated clays which commonly contain carbonized or silicified wood. (Mapped with Coffee except in Hardin County and southeastern Decatur County.) Thickness 0 to 180 feet; thins northward.
 -  TUSCALOOSA FORMATION — Poorly sorted, light-gray chert gravel in a matrix of silt and sand; locally interbedded with sand and clay lenses. Thickness 0 to 140 feet.

Chapter 9 Public Information and Education

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Chapter 9

Public Information and Education

Regional Needs

As shown in Chapters 2 and 3, the population of the Region is expected to reduce slightly over the next 10 years. However, each county in the Region has established a recent momentum of increasing soiled waste collection services, recycling efforts, and increased solid waste production. There is also a recent movement of several landfills closing in the Region.

The increased solid waste production figures may actually be a result of the increased level of collection, in other words, perhaps actual production has not increased but a more accurate accounting of the production may be occurring and less illegal, unreported dumping may be occurring.

Increased levels of solid waste collection include an upgrade from the "green box" dumpster system to convenience centers in Chester and Hardin Counties.

Recycling efforts in the Region are on the increase. The City of Adamsville has initiated a city wide, residential recycling program to reduce the hauling and disposal costs of the municipal solid waste stream. Wayne County has had an aggressive recycling program for several years in order to reduce the transportation and disposal costs of its solid wastes.

Several of the municipally owned and operated landfills are closing or are scheduled to be closed by 1996. Most of the counties are considering developing Class III/IV landfills to reduce their disposal costs and to aid in meeting the Region's 25% reduction goal. Chester County has an application pending with the State for a new Class I landfill.

All of the municipalities are facing increased solid waste budgets and wondering how to fund them. The citizens in the Region are becoming more environmentally aware, demanding the safe collection and disposal of their wastes. They are also revolting against higher taxes and fees. Thus the municipal leaders are caught between "a rock and a hard spot." They wish to meet the public's request for upgraded, environmental sound collection and disposal methods but the same public is demanding no tax increases.

The Region's citizens and businesses have shown a willingness to comply with reasonable requests if they understand (and agree) with the purposes and objectives. Thus there is a need for an effective and truthful public education and information program. The Region needs public support for the plan and its objectives for several reasons, such as:

- The goal of reducing solid waste production by 25% cannot be met without public, commercial, industrial, and institutional support.

- The disposal cost per ton of solid waste will increase due to increased regulatory requirements.
- Hauling fees are likely to increase due to a reduction in the number of Class I landfills in the Region resulting in increased haul distances.
- Overwhelming voluntary participation and cooperation is vital, we can not station "trash police" on every corner.
- Our tax dollars are needed else where.
- Reducing solid waste production, recycling, protecting our environment, and saving tax money is the right thing to do.

We have recently witnessed the emergence of public consciousness of environmental issues. In our collective conscious there is much less cognizance of the many effects that our day to day behavior has on the quality of the air we breathe, the water we drink, and most important, the ways in which we produce, consume, and dispose of the materials of daily living. The connection between the products we use and the environment we share does not come naturally to American consumers. We grew up as a "consuming" society. We must translate environmentally sound goals into actual behaviors. Voluntary social action is more desirable than mandatory governmental regulation, it costs less and has a longer lasting effect.

Public Information and Education Steps

1. Regional Goals and Objectives

a. Goals

1. It is the goal of the Shiloh Regional Solid Waste Planning Region is to make the Region's citizens, commercial businesses, industries, and institutions active, participating partners in the reduction, reuse, recycling, management, collection, and disposal of the Region's solid waste.
2. It is the goal of the Shiloh Regional Solid Waste Planning Region to reduce, reuse and/or recycle as much of the Region's waste as practical.
3. It is the goal of the Shiloh Regional Solid Waste Planning Region to dispose of the remaining solid waste in an environmentally safe manner as inexpensively as possible, considering all factors.
4. It is the goal of the Shiloh Regional Solid Waste Planning Region to provide adequate collection services to its residents.

b. Objectives

1. It is the objective of the Shiloh Regional Solid Waste Planning Region to present information concerning our goals to the citizens of the Region.

2. It is the objective of the Shiloh Regional Solid Waste Planning Region to educate both adults and children to the importance of solid waste reduction, reuse, recycling, and the environmental safe disposal of the remaining solid wastes.
3. It is the objective of the Shiloh Regional Solid Waste Planning Region to assist our industries, commercial business, and institutions to reduce, reuse and/or recycle their wastes as much as practical.
4. It is the objective of the Shiloh Regional Solid Waste Planning Region to inform the tax payers in the Region of the costs of solid waste collection and disposal.

2. Target Groups and Audiences

The Region's target groups and audiences will be:

- a. All schools in the Region. At the end of this chapter is a list by county of each school.
- b. Chester County Chamber of Commerce
P.O. Box 1976
Henderson, TN 38340
- c. Savannah-Hardin County Chamber of Commerce
410 Main Street
Savannah, TN 38372
- d. McNairy County Chamber of Commerce
P.O. Box 7
Selmer, TN 38372
- e. Wayne County Chamber of Commerce
- f. Boy Scout Groups
- g. Girl Scout Groups
- h. Rotary Clubs
- i. Newspapers
- j. Radio Stations
- k. Civitan
- l. Community Clubs
- m. Lions Club
- n. Special interest groups
- o. 4-H
- p. Churches
- q. PTO

3. Amount and Kind of Information To Be Provided

Information to the target groups will be a combination of written, electronic, and verbal material. Written handouts will either be developed or commercially available handouts and brochures will be purchased. Some samples of commercially available handouts are in the back of this chapter.

One company that provides such materials is:

Educational Development Specialists
Think Earth Environmental Education Program
5505 East Carson Street, Suite 250
Lakewood, CA 90713-3093
(310) 420-6814

An organization that offers educational material is:

Keep America Beautiful, Inc.
9 West Broad Street
Stamford, CT 06902
(203) 323-8987

An organization that can offer direction and advise on educational programs is:

Clean Tennessee Program
Edith Beaty Heller, State Coordinator
Suite 113, Building One
Memphis State University
Memphis, TN 38152
(901) 678-4101

Some material supplied by Keep America Beautiful and the Clean Tennessee Program are included at the end of this chapter.

There is now a commercially available (currently at no cost) interactive, Macintosh computer software, including a slide show workbook materials, a teacher's guide, and supplementary materials available for grades 6-8 about integrated solid waste management. It is available from Integrated Waste Services Association and is funded by the U.S. Department of Energy. Sample materials are at the end of this chapter.

The contact person is:

Integrated Waste Services Association
Margaret Ann Charles, Director
State Programs and Policy
Two Lafayette Center
1133 21st Street NW, Suite 205
Washington, DC 20036
(202) 467-6240

In addition, a speakers list will be developed by the Region. These speakers will make themselves available at no cost to speak regarding solid waste matters on a suitability and availability basis. The Division of solid Waste Management has set up a speaker's bureau to help educate and advise the regional solid waste planning boards. They offer programs on:

Unit 1: Solid Waste Collection and Transportation Systems.

Unit 2: Waste Reduction, Recycling, Composting, and Processing Systems.

Unit 3: Land Disposal – The 21st Century Landfill.

Unit 4: Public Outreach, Involvement and Participation.

The Shiloh Regional Board was presented Units 1 and 4. If desired, the other units can be requested.

4. Methods To Be Utilized

a. School Based Instruction

School based instruction will include presentations from members of the speakers bureau. In addition, each principal will be made aware of the free computer interactive material offered by the Integrated Waste Services Association and encouraged to use it. Educational Development specialists offers materials targeted to specific grades, this information will also be made available to the principals. The schools will also be encouraged to schedule field trips to the convenience centers, recycling facilities, and area landfills.

b. Workshop, Conferences, and Training Courses

Workshops, conferences, and training courses are scheduled only short periods ahead of time. Thus it is impossible for this plan to contain a list of future courses that may become available. The National Recycling Coalition held its 12th Annual Congress and Exposition in Nashville on October 11–14, 1993. It is hoped that this event will continue in the future.

The coalition's address is:

National Recycling Coalition
1101 30th Street NW
Suite 305
Washington, DC 20007

Perhaps the best way to stay current in solid waste issues is to subscribe to national trade publications such as *Waste Age Magazine* and to join professional societies such as Solid Waste Association of North America (SWANA).

Waste Age Magazine
P.O. Box 420183
Palm Coast, FL 32142-9964

SWANA
8750 Georgia Avenue, Suite E 140
Silver Springs, MD 20910-3603
(301) 585-2898

c. Audio-visual Materials, Slides, and Videos

Audio-visual materials are currently available from Integrated Waste Services Association, Educational Development Specialists, SWANA, as well as many equipment vendors and commercial solid waste companies such as Browning Farris Industries (BFI) and Waste Management, Inc. Some equipment vendors that offer videos are:

Gundle Lining Systems
19103 Gundle Road
Houston, Texas 77073
(800) 435-2008

Phillips Fibers
P.O. Box 66
Greeneville, SC 29602

Caterpillar, Inc.
100 NE Adams
Kewanee, IL 61443
(309) 853-1002

Lindemann Recycling Equipment, Inc.
500 Fifth Ave.
Suite 1234
New York, NY 10110
(212) 382-0630

Holt Specialty Equipment, Inc.
Highway 41A
Box 99
Eagleville, Tennessee 37060
(615) 274-6660

Slides are also available from many of the commercial vendors listed above, many times at no cost. In addition, slides of actual locations in the Region are very effective in presentations.

d. Publications

Publications are excellent sources of recent developments and current information in the solid waste field as well as sources of current information. Waste Age magazine offers free subscriptions at the present time. Their address was given previously.

e. Contests and Awards

Contests and awards are excellent vehicles to generate public support, provide education, and publicity. Typically contests and awards are directed at school age children but they can also be directed at adult organizations. The United Way has demonstrated that the competitive fever is in all of us.

Contests can be organized to:

1. Name various solid waste facilities
2. Develop the best recycling slogan
3. Develop the best logo/posture
4. Collect the most cans/newspapers/bottles etc.
5. Pick up the most road side litter

Awards can consist of a rotating trophy, ribbons, buttons, shirts, caps, pencils, picture in the paper, day off from school, or almost any other appropriate award. Commercial sources of these type of items are in the end of this chapter.

f. Speaker's Bureau

A speaker's bureau will be organized to give presentations to schools and groups as they are requested. The Region is currently developing a list of speakers.

g. Other

Any other method or technique, original or borrowed, that can be used to educate and inform the public of the Region's goals and objectives should be utilized.

5. Staff and Budget Needs

Projected staff and budget needs are shown in Chapter 11, "Implementation: Schedule, Staffing and Funding."

6. A Funding Plan

A suggested funding plan is shown in Chapter 11, "Implementation: Schedule, Staffing and Funding."

7. Evaluation and Reporting

The Recycling/Reduction/Education Coordinator (see Chapter 11) will report to the regional committee on an annual basis. Included in the report will be a summary of presentations given, the amount of solid waste reduced, reused, and/or recycled, funds expended, and projections for the following year.

Implementation Schedule

A suggested implementation schedule is shown in Chapter 11, "Implementation: Schedule, Staffing, and Funding."

Allocation of Educational Responsibility

A suggested allocation of educational responsibilities is shown in Chapter 11, "Implementation: Schedule, Staffing, and Funding."

State Assistance

The *Solid Waste Act of 1991* provides for State assistance with the educational programs including guidelines, distributing a catalog of material, training programs, and grants. Each county (and the Authority if an Authority is formed) shall seek the State's assistance in these efforts. Following is a copy of a portion of the *Solid Waste Act*.

§ 68-211-842. Education program - Guidelines. - The state planning office shall issue guidelines for the education program element of the municipal solid waste region plan. Each solid waste regional plan shall include an education program to assist adults and children to understand solid waste issues, management options and costs, and the value of waste reduction and recycling. [Acts 1991, ch. 451, § 38; T.C.A. § 68-31-842.]

§ 68-211-843. Information clearinghouse. - Regional workshops and conferences. - The state planning office shall establish an information clearinghouse to acquire, review, evaluate and distribute a catalog of materials on source reduction and recycling. The state planning office shall also organize and conduct statewide and regional workshops and conferences on solid waste management, source reduction and recycling. [Acts 1991, ch. 451, § 39; T.C.A. § 68-31-843.]

§ 68-211-844. Educational and training programs. - The state planning office shall collect, prepare and disseminate information and conduct educational and training programs designed to assist in the implementation of solid waste management programs and inform the public of the relationship between an individual's consumption of goods and services and the generation of different types and quantities of solid waste. The state planning office, in consultation with the department of education, shall prepare the information and programs on a statewide basis for the following groups:

- (1) Municipal, county and state officials and employees;
- (2) Kindergarten through graduate students and teachers;
- (3) Businesses that use or could use recycled materials or that produce or could produce products from recycled materials, and persons who provide support services to those businesses; and
- (4) The general public. [Acts 1991, ch. 451, § 40; T.C.A. § 68-31-844.]

§ 68-211-845. Promotion of education concerning solid waste management. – In order to promote education of children in grades kindergarten through twelve (K-12) concerning solid waste management, source reduction and recycling, the department of education, in conjunction with the state planning office, shall:

- (1) Review, evaluate and publish a list of approved curriculum materials relative to solid waste management, source reduction and recycling,
- (2) Sponsor workshops on the curriculum materials for educators;
- (3) Provide in-service training for teachers on solid waste management, recycling and source reduction, environmental protection and conservation of materials; and
- (4) Establish peer assistance programs for teachers within a solid waste management region. [Acts 1991, ch. 451, § 41; T.C.A. § 68-31-845.]

§ 68-211-846. Education programs – Awards. – The state planning office shall establish an awards program for outstanding school-based solid waste/source reduction or recycling education programs. [Acts 1991, ch. 451, § 42; T.C.A. § 68-31-846.]

§ 68-211-847. Grants to implement education programs. – After a region's or county's plan is approved, the department shall award grants for implementing the education program component of the plan from funds available in the solid waste management fund. [Acts 1991, ch. 451, § 45; T.C.A. § 68-31-847; Acts 1992, ch. 693, § 24.]

TABLE 9-1
CHESTER COUNTY SCHOOLS

Freed Hardeman University 158 E. Main Street Henderson, TN 38340 989-6000	Chester County High School Highway 100 E Henderson, TN 38340 989-2261	East Chester Elem. School Highway 100 Henderson, TN 38340 989-7833
Chester Co. Jr. High School High 100 E Henderson, TN 38340 989-2447	North Chester Co. Elem School 524 Luray Ave. Henderson, TN 38340 989-3104	West Chester Elem. School Highway 100 W Henderson, TN 38340 989-2396
Jack's Creek School 65 State Route 22-A S Jack's Creek, TN 38340 989-4940		

TABLE 9-2
HARDIN COUNTY SCHOOLS

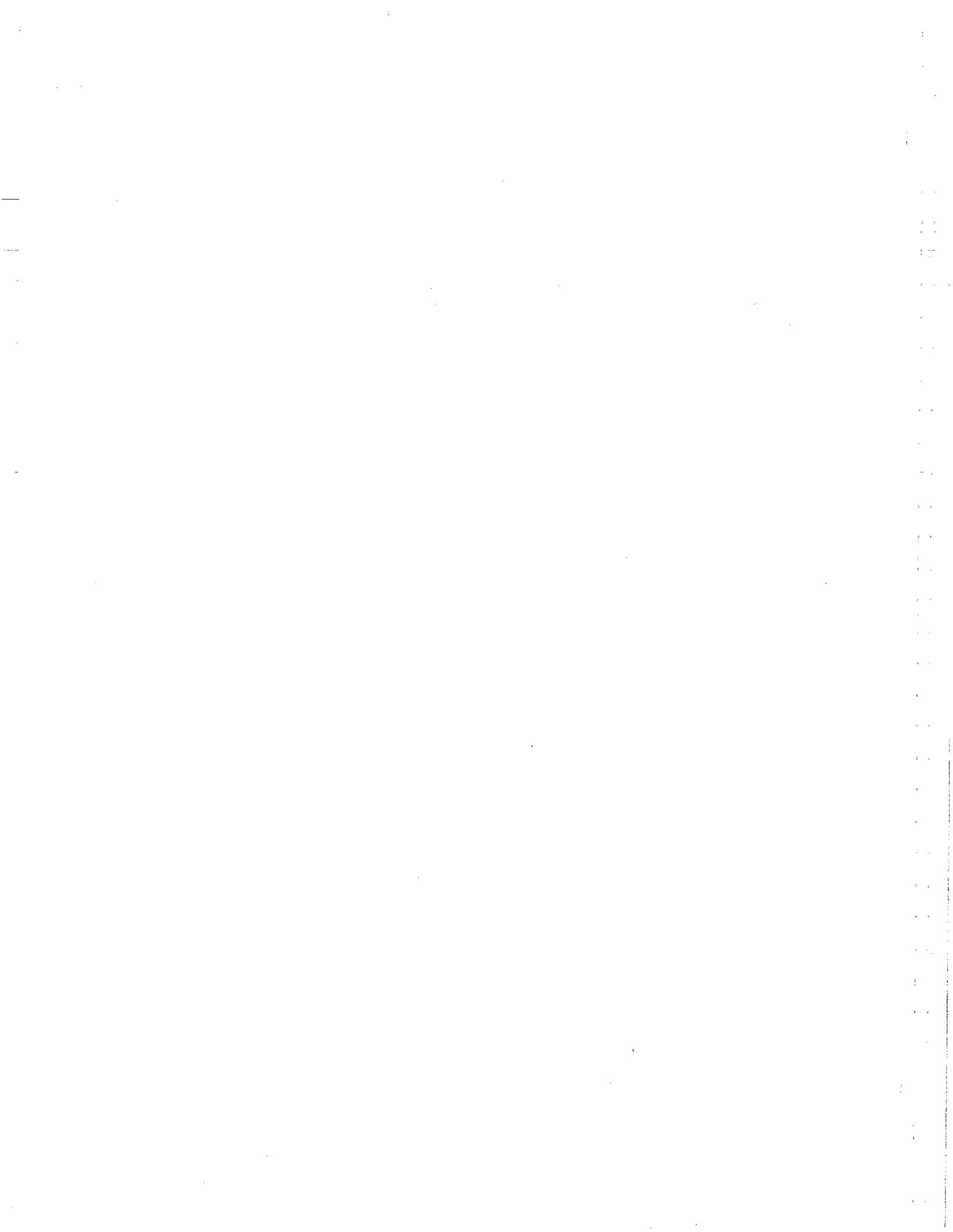
<p>Hardin County High School 909 Pickwick Road, S Savannah, TN 38372 (901) 925-3976 Mr. Steve Smith, Principal</p>	<p>Walnut Grove Elementary School Route 1, 4355 Highway 69 S Savannah, TN 38372 (901) 925-3814 Mrs. Barbara Byrd, Principal</p>
<p>Hardin County Middle School Route 7, Box 174 Savannah, TN 38372 (901) 925-9037 Mr. James D. Vernon, Principal</p>	<p>West Hardin Elementary School Route 1 Adamsville, TN 38310 (901) 632-0413 Mr. Bryan Black, Principal</p>
<p>Nixon Elementary School Route 4, 4455 Highway 128 Savannah, TN 38372 (901) 925-3752 Mr. Lonnie Barnett, Principal</p>	<p>Whites Elementary School Route 5 Savannah, TN 38372 (901) 925-5267 Mrs. Margaret Jerrolds, Principal</p>
<p>Savannah North Elementary School Tennessee Street Savannah, TN 38372 (901) 925-3986 Mr. Billy Garrard, Principal</p>	<p>Parris South Elementary School Route 7, Box 175 169 Lacefield Drive Savannah, TN 38372 (901) 925-2480 Mr. Kenneth Smith, Principal</p>
<p>Southside School Counce, TN 38326 (901) 689-5185 Mr. John Thomas, Principal</p>	<p>Walker Elementary School Route 4, 410 Welch Drive Savannah, TN 38372 (901) 925-5650 Mrs. Patricia White, Principal</p>
<p>Freedom Church on the Rock 20970 Highway 69 S Savannah, TN 38372 935-1778</p>	<p>Harbert Hills Academy 3710 Lonesome Pine Road Savannah, TN 38372 925-3098</p>

TABLE 9-3
MCNAIRY COUNTY SCHOOLS

<p>Adamsville Elementary School PO Box 335 Adamsville, TN 38310 (901) 632-0934 Luzell Hughes, Principal</p>	<p>Adamsville High School PO Box 407 Adamsville, TN 38310 (901) 632-3273 Mark Massey</p>
<p>Bethel Springs Elementary School PO Box 38 Bethel Springs, TN 38315 (901) 934-7288 Alvin Wilson, Principal</p>	<p>McNairy Central High School Route 2 Selmer, TN 38375 (901) 645-3226 David Hurst, Principal</p>
<p>Michie Elementary School Route 1, Box 225 Michie, TN 38357 (901) 632-3602 Judy Turner, Principal</p>	<p>Ramer Elementary School PO Box 8 Ramer, TN 38367 (901) 645-3996 Joe Horton, Principal</p>
<p>Selmer Elementary School 533 East Poplar Ave. Selmer, TN 38375 (901) 645-3131 Carolyn Giesler, Principal</p>	<p>Selmer Middle School 635 East Poplar Ave. Selmer, TN 38375 (901) 645-7977 Freddie G. Moore, Principal</p>

TABLE 9-4
WAYNE COUNTY SCHOOLS

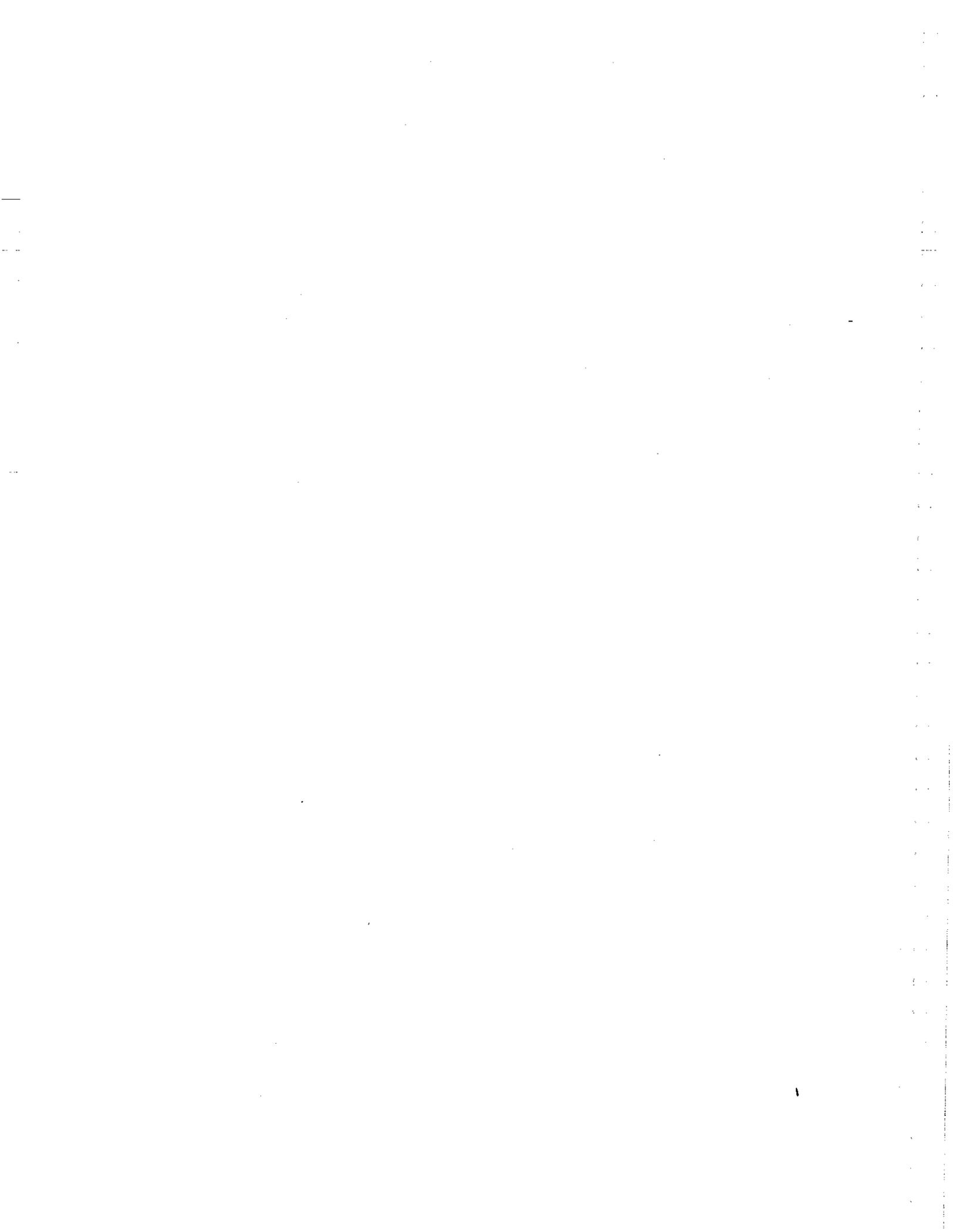
Collinwood Elem. School Collinwood, TN 38450 724-9118	Collinwood High School Collinwood, TN 38450 724-4316	Collinwood Middle School Collinwood, TN 38450 724-9510
Frank Hughes High School Clifton, TN 38425 676-3325	Wayne Co. High School Waynesboro, TN 38485 722-3238	Waynesboro Elem. School Waynesboro, TN 38485 722-5580



Selected Material

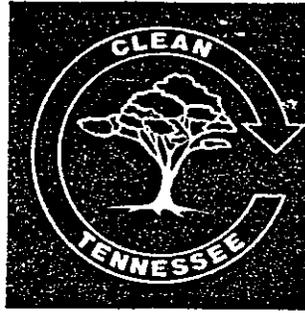
CHAPTER 9

PUBLIC INFORMATION AND EDUCATION



Federal Sources of Information

SOURCE	PHONE NUMBER
Center for Environmental Research Information	(513) 569-7562
Solid and Hazardous Waste (RCRA) and Superfund (CERCLA) Hotline	(800) 424-9346
Emergency Planning and Community Right to Know Hotline	(800) 535-9810 or 800-535-0202
Air Control Technology (Clean Air Act)	(919) 541-0800
Stratospheric Ozone Protection (CFCs - Clean Air Act)	(800) 296-1996
Toxic Substances Control Act (TSCA) & Asbestos Information/Referral	(202) 554-1404
Acid Rain (Emissions Trading, Auctions, General Information)	(617) 674-7377
Storm Water NPDES Permitting Hotline	(703) 821-4823
Wetland Information	(800) 832-7828
National Pesticide Telecommunications Network (spill handling, disposal, clean up, health effects)	(800) 858-7378
National Response Center (reporting oil spills or hazardous substance releases)	(800) 424-8802
Information Exchange-Hazardous Materials (transportation of hazardous materials)	(800) 752-6367
Centers for Disease Control (CDC)	(404) 639-3535
Solid Waste Assistance Program	(800) 677-9424
National Fire Protection Association	(617) 770-3000
National Institute for Occupational Safety & Health (NIOSH)	(513) 533-8236
National Safety Council	(708) 285-1121
Nuclear Regulatory Commission	(202) 366-4220
Occupational Health and Safety Administration (OSHA), Health Standards	(202) 523-6091
US Department of Transportation (DOT)	(202) 366-4000
US Environmental Protection Agency (EPA)	(202) 260-2090
New England Solid Waste Research Library	(617) 573-9687
Rural Information Center (USDA)	(301) 344-2547
USEPA Procurement Hotline	(703) 941-4452



**Clean Tennessee
Program**

**EDITH BEATY HELLER
STATE COORDINATOR**

Suite 113, Building One
MEMPHIS STATE UNIVERSITY
Memphis, TN 38152

901/678-4101

Citizen's Advisory Committee

★Speaker's Bureau

Partner with Litter Grant Program

★Public education requirement

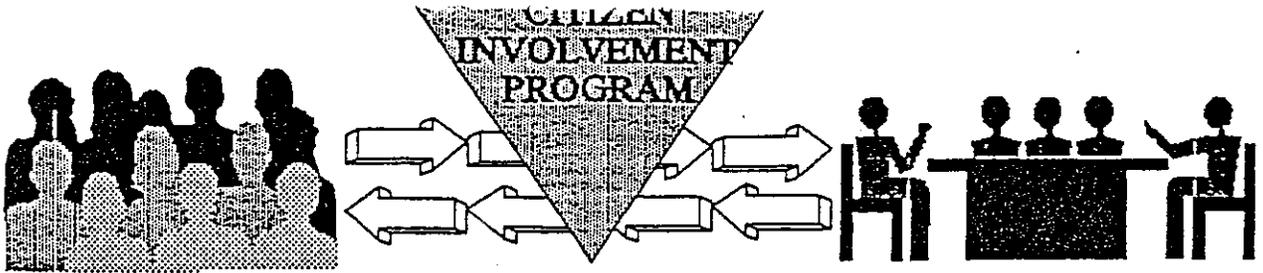
Partner with Chamber of Commerce

★Industry education

Keep America Beautiful System

★Comprehensive education

★Regional model



Citizens

*Solid Waste Management
Infrastructure*

COMMUNITY INVOLVEMENT OBJECTIVES

"Educate The Public" ???

Site a Landfill or Incinerator

"Sell" a Technology or System

Increase Recycling Participation

Support Comprehensive Solid Waste Management



AND THE KAB SYSTEM

Services, Benefits, and Advantages

THE KEEP AMERICA BEAUTIFUL SYSTEM

Keep America Beautiful's Systematic Approach—In 1976, following three years of research and field-testing in three cities, the KAB System was introduced nationwide, and today over 480 community-based affiliates are demonstrating the effectiveness of KAB's unique program to address littering and solid waste handling practices.

- ★ **The Attitude Change Process**—The KAB System is a long term, results-oriented approach targeting the behavioral root of the litter and solid waste issue. The KAB System first identifies the underlying, individual attitudes which cause littered conditions. The "Attitude Change Process" is KAB's proven, 5-step management approach to change negative attitudes and positively reinforce new, learned behaviors to promote proper waste handling.
- ★ **Community Organizational Structure** ensures broad-based representation and stresses sustained involvement of all sectors of the community. A community-owned and implemented program provides the vital structural basis for developing a renewed sense of ownership among citizens. The involvement stresses "learning by doing," which not only emphasizes volunteer action but, importantly, sustains the involvement to bring improvements in community appearance and sound solutions to solid waste issues.
- ★ **Measured Results: the Photometric Index**—This photographic measurement technique objectively examines the amount of litter generated at the 7 major sources. Armed with the facts, KAB affiliates establish priorities and design a proactive program strategy. After 3 years, the average litter reduction reported by KAB affiliate communities is 58%, with many communities reporting reductions as high as 80% to 90%.
- ★ **Measured Results: The Cost/Benefit Analysis**—This annual study further demonstrates the cost effectiveness of the KAB System. In 1992, for every \$1 of city, county or state government monies invested in local activities, KAB affiliates report returning an average of \$7.19 in benefits—measured in volunteer time, donated goods and services, avoided costs, and reduction in cleanup costs.

EDUCATING TEACHERS AND THEIR STUDENTS

School Education Activities and Curriculum Guides—KAB's official curriculum guides, *Waste-In-Place* for K-6th graders and *Waste: A Hidden Resource* for 7th through 12th grade students, are provided to KAB affiliates at a reduced cost when correlated with your state's education learning goals. Thousands of teachers and educators have attended "Master Teacher Training" workshops using the curricula, and graded them A+ for the interdisciplinary approach and the ease in which the lessons can be implemented in the classroom. To supplement classroom activities, other school materials are provided at little or no cost including: *180 Million Tons of Trash* poster, *Plastics Recycling by the Numbers*, and *Pollution Pointers for Elementary Students*. *Mister Rogers Recycles* video is also available from KAB for \$19.95 with accompanying activity book for just \$1.50.

**AFFILIATE
NETWORK
SERVICES**

12 Monthly Issues of Network—This publication is sent exclusively to KAB affiliates, and highlights useful and interesting program and project ideas from all over the country, new education and resource materials and contacts, and other information to further local affiliate programming.

Field Counseling Services and Guidance—Quarterly contacts are made by KAB staff and team of 40 National Representatives and Trainers. These calls ensure local program needs are being met and provide support to our affiliates on all aspects of application of the KAB System approach. In some cases, field service site visits are authorized where the National Representative provides training and counseling for the affiliate's board of directors and program coordinator.

Communications Support Services—Free media kits are provided to affiliates to support their local press relations and increase their public exposure. These kits include written press releases designed for affiliates' tie-in stories, and collateral materials, such as camera-ready art.

Special Complimentary Mailings—KAB, Inc., its member companies, and National Advisory Council representatives provide publications and informational mailings useful to local affiliates in furthering their activities. Past mailings include Tennessee Valley Authority's *Organizing and Conducting a Cleanup* booklet, American Paper Institute's recycling video, Anheuser-Busch's brochure, entitled *Starting at Home: Recycling to Protect Our Environment*, and *Recycleman* coloring books from Steel Can Recycling Institute.

Coordinators Advisory Council—Local KAB affiliate coordinators are selected from seven regions of the country to serve on the Coordinators Advisory Council. These regional representatives meet quarterly to discuss affiliate needs within their respective regions and provide KAB staff and its committees with valuable feedback on program development.

National Awards Program—Recognition and positive reinforcement are vital to sustaining the necessary involvement to bring about a lasting change in community pride and appearance. Over 80 prestigious awards are given by KAB each year to recognize outstanding KAB Systems, civic and youth groups, schools, businesses and individuals.

Keep America Beautiful, Inc. is a national, non-profit, public education organization, with over 480 local affiliates nationwide, dedicated to improving waste handling practices in American communities.



Keep America Beautiful, Inc.

9 West Broad Street

Stamford, Connecticut 06902

203-323-8987

SOLID WASTE FACTS AND EDUCATION

The Most Up-To-Date Information on Solid Waste Management—Guided by KAB's Solid Waste Committee and Recycling Subcommittee, comprised of representatives in the solid waste management field from both the public and private sectors, KAB makes available numerous education pieces to equip affiliates with up-to-date information to address solid waste issues locally. These materials include:

- ★ Quarterly issues of *Focus* highlighting important waste disposal issues, from the need for sanitary landfills to the misconceptions of degradability;
- ★ *Waste In The Workplace*, a small business' guide for auditing commercial waste, identifying recyclables, minimizing waste, and managing disposal costs;
- ★ *Overview: Solid Waste Disposal Alternatives*, a 26 page booklet, and a 22 minute video presentation, describes the components of an integrated approach to solid waste handling;
- ★ *Recycling Realities*, a 16 page educational booklet, detailing the facts, myths and choices involved in recycling, and;
- ★ Other solid waste education materials, including: *Waste-to-Energy: Issues of Public Health* video, *Multi-Material Recycling Manual*, and *180 Million Tons of Trash* student education poster with hands-on activities.

TRAINING WORKSHOPS AND SERVICES

Training Workshops, Seminars, and Program Materials—KAB develops and presents training opportunities for our affiliates covering a variety of topics, including: "Master Teacher Training," "New Coordinator Training," "Building Better Board Relationships," "Managing Today's Volunteers," "Recycling Realities," "Waste In The Workplace," and more. Education and training materials supplement every workshop, and are designed to reinforce the participants' understanding of the issues and facilitate implementation at the local level of the training concepts learned at the workshop.

Regional Conferences—Regional conferences are organized each year to reach as many program coordinators and local leaders as possible—in effect, taking KAB to the grassroots. The conference agendas include training sessions, presentations on successful and unique projects that have worked in other communities, seminars which discuss developing trends in litter prevention, and solid waste education focusing regionally on KAB affiliate needs. Importantly, opportunities for KAB program coordinators and local leadership to effectively network and exchange program ideas are integrated into all conferences.

Annual Meeting of KAB Coordinators—Affiliate coordinators, board members, and industry representatives gather each year in Washington, DC to be informed on national trends and issues which can effect their local programs. Presentations, panel discussions by national experts, networking opportunities, and idea exchange are valuable services provided at this conference.

**NATIONAL
PROGRAMS
AND
SPECIAL
PROJECTS**

National Programs and Special Projects—Exciting programs are offered by KAB's Corporate and National Advisory Council members to local affiliates. In 1992, these included:

- ★ *GLAD Bag-A-Thon*, the nation's largest cleanup, sponsored by First Brands Corporation
- ★ RJ Reynolds portable ashtray program, and production of KAB litter prevention film
- ★ Procter & Gamble consumer education program
- ★ James River Corporation's *Team Up for the Environment* Little League program
- ★ Lever Brothers' *WISK Power Scoop Up*
- ★ Steel Can Recycling Institute's *Steel Can Recycling Award*
- ★ America's Clean Water Foundation's *Year of Clean Water* education and awards program
- ★ Girl and Boy Scout Patch programs
- ★ Public Lands Stewardship program
- ★ General Federation of Women's Clubs solid waste public education program

Some programs and special projects offered in previous years include Kmart teacher kits, Amoco Foam's *Plastics Recycling by the Numbers* activity booklet, and the *Let's Not Waste the 90's* videoconference on solid waste issues.

**ANNUAL
NETWORK
SERVICE
FEES**

<u>Population</u>	<u>Annual Network Service Fee</u>	<u>Population</u>	<u>Annual Network Service Fee</u>
0 - 1,999	\$50	175,000 - 249,999	\$450
2,000 - 7,499	\$85	250,000 - 324,999	\$500
7,500 - 9,999	\$100	325,000 - 399,999	\$550
10,000 - 14,999	\$150	400,000 - 474,999	\$600
15,000 - 29,999	\$200	475,000 - 599,999	\$650
30,000 - 49,999	\$250	600,000 - 699,999	\$700
50,000 - 74,999	\$300	700,000 - 849,999	\$750
75,000 - 99,999	\$350	850,000 - 1 million +	\$1,000
100,000 - 174,999	\$400		

The Network Service Fee, paid annually by KAB-certified community affiliates, helps defray growing costs of network services (see next page). Communities wishing to be certified should write to KAB and request an Application for Certification.

To become an affiliate, each new community pays a one-time Certification Fee, based on population, to support the initial development and certification of the local KAB System. The Certification Fee is submitted with an Application for Certification to cover the training of your selected representatives at an Organizational Team Training Workshop to learn the fundamentals of implementing a KAB System locally, and, once the certification requirements are completed, the training of the newly-formed organization's board of directors and staff to guide them in establishing the first year's program goals.

REGIONAL KAB SYSTEM

1. APPLICATION PROCESS

Commitment from area government, business, and civic bodies for application, fees and selection of Founding Team.



2. PRE-CERTIFICATION PROCESS

Founding Team sets up budget, office and hires Coordinator.



3. TRAINING

Coordinator trained for administrative, management, and technical tasks.
Founding Team trained to establish organization and recruit volunteers.



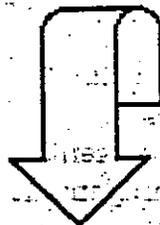
4. CERTIFICATION REQUIREMENTS

Completions of Photometric Index, Litter/Solid Waste Survey, and Governing Board appointed. Board attends two training sessions.



5. CERTIFICATION

Celebration ceremony and "public" announcement of Regional KAB System.



6. ANNUAL REQUIREMENTS

Governing Board and Committees, Staff Coordinator, Budget, Payment of Annual Service Fee, Photometric Index Follow-up, Annual Cost/Benefit Analysis, and Bi-annual Reports.

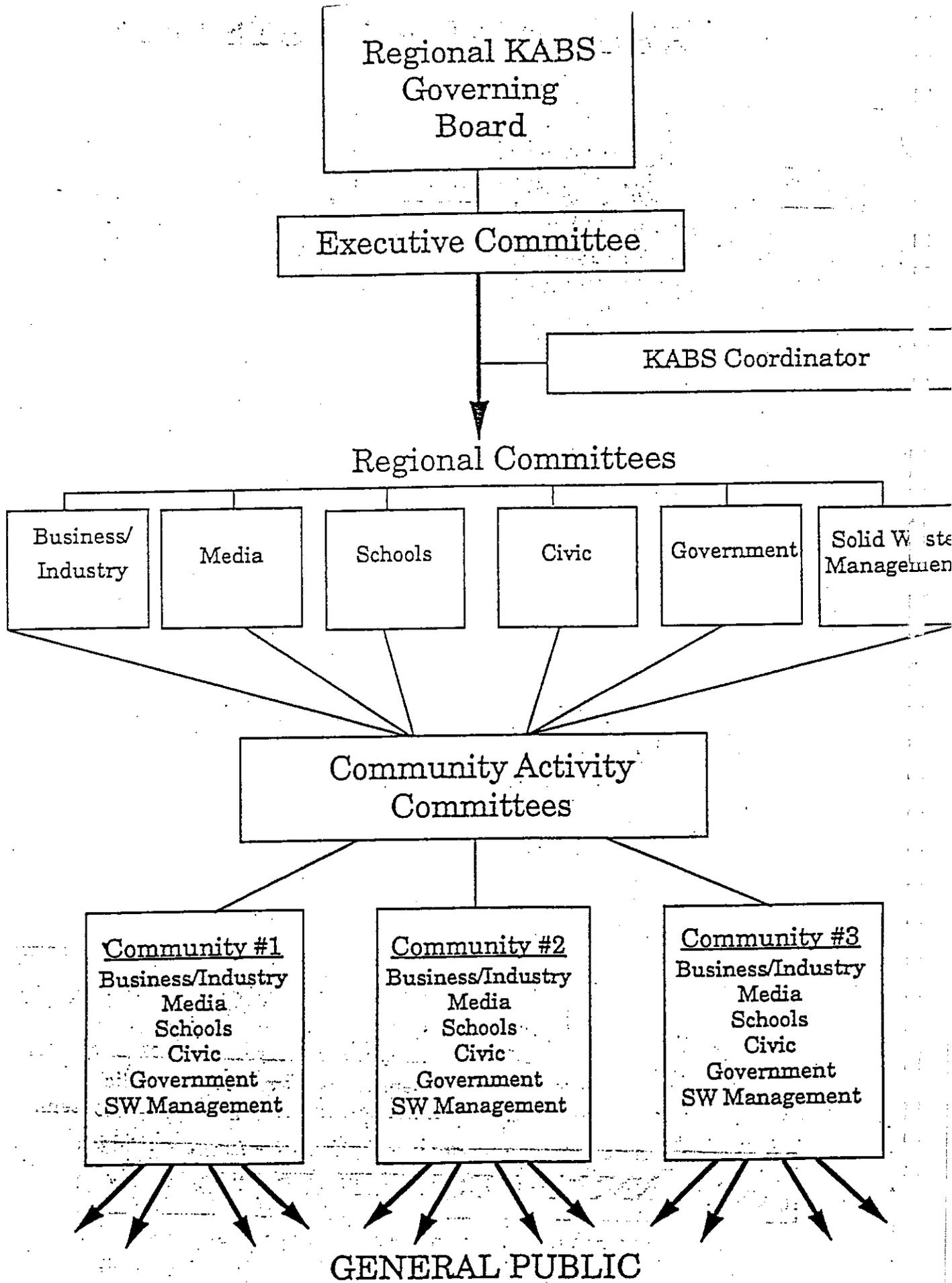


TABLE 6-1. PUBLIC INFORMATION TECHNIQUES

Technique	Features	Advantages	Disadvantages
Briefings	Personal visit or phone call to key officials or group leaders to announce a decision, provide background information, or answer questions.	Provide background information. Determine reactions before an issue "goes public." Alert key people to issues that may affect them.	Requires time.
Feature stories	In-depth story about the siting study in newspapers or on radio and television.	Provide detailed information to stimulate interest in the siting study, particularly at key junctures such as evaluating alternative sites or selecting a preferred site. Often used prior to public meetings to stimulate interest.	Newspaper will present the story a editor sees fit—project proponent has no control over how the story is presented, except to provide full information.
Mailing out key technical reports or environmental documents	Mailing technical studies or environmental reports to other agencies and leaders of organized groups or interests.	Provides full and detailed information to people who are most interested. Often increases credibility of studies because they are fully visible.	Costs money to print and mail. Some people may not even read the reports.
News conferences	Brief presentation to reporters, followed by question-and-answer period, often accompanied by handouts of presenter's comments.	Stimulate media interest in a story. Direct quotes often appear in television/radio. Might draw attention to an announcement or generate interest in public meetings.	Reporters will only come if the announcement/presentation is newsworthy. Cannot control how the story is presented, although some direct quotes are likely.
Newsletters	Brief description of what is going on in the siting study, usually issued at key intervals for all people who have shown an interest in the study.	Provide more information than can be presented through the media to those people who are most interested. Often used to provide information prior to public meetings or key decision points. Also maintain visibility during extended technical studies.	Require staff time and cost money to prepare, print, and mail. Stories must be objective and credible or people will react to newsletters as they were propaganda.

CONTINU

TABLE 6-1. PUBLIC INFORMATION TECHNIQUES (continued)

Technique	Features	Advantages	Disadvantages
Newspaper inserts	Much like a newsletter, but distributed as an insert in a newspaper.	Reach the entire community with important information such as project need and alternative sites being considered. Is one of the few mechanisms for reaching everyone in the community through which you can tell the story your way.	Requires staff time to prepare insert, and distribution costs money. Must be prepared to newspaper's layout specifications. Potential negative reaction to use of public funds for this purpose exists.
News releases	A short announcement or news story issued to the media to get interest in media coverage of the story.	May stimulate interest from the media. Useful for announcing meetings or major decisions or as background material for future media stories.	May be ignored or not read. Cannot control how the information is used.
Paid advertisements	Advertising space purchased in newspapers or on radio or television.	Effective for announcing meetings or key decisions. Story presented the way you want.	Advertising space can be costly. Radio and television may entail expensive production costs to prepare the ad. Potential negative reaction to use of public funds for this purpose exists.
Presentations to civic and technical groups	Deliver presentations, enhanced with slides or viewgraphs, to key community groups	Stimulates communication with key community groups. Can also provide in-depth feedback.	Few disadvantages except some groups may be hostile.
Press kits	A packet of information distributed to reporters.	Stimulates media interest in the story. Provides background information which reporters use for future stories.	Has few disadvantages, except may be ignored. Cannot control how the information is used.
Public service announcements	Short announcement provided free of charge by radio and television stations as part of their public service.	Useful for making announcements such as for public meetings.	Many organizations compete for the same space. Story may not be aired or may be aired at hours when the audience is low.

TABLE 6-2. PARTICIPATION TECHNIQUES

Technique	Features	Advantages	Disadvantages
Advisory groups/ task forces	A group of representatives of key interested parties is established. May be a policy, technical, or citizen advisory group.	Provide oversight to the siting process. Promote communication between key constituencies. Anticipate public reaction to publications or decisions. Provide a forum for reaching consensus.	Potential for controversy exists if "advisory" recommendations are not followed. Requires substantial commitment of staff time to provide support to committees.
Focus groups	Small discussion groups established to give "typical" reactions of the public. Conducted by professional facilitator. Several sessions may be conducted with different groups.	Provide in-depth reaction to publications, ideas, or decisions. Good for predicting emotional reactions.	Get reactions, but no knowledge of how many people share those reactions. Might be perceived as an effort to manipulate the public.
Hotline	Widely advertised phone number to handle questions or provide centralized source of information about the siting.	Gives people a sense that they know whom to call. Provides a one-step service of information. Can handle two-way communication.	Is only as effective as the person answering the hotline phone.
Interviews	Face-to-face interviews with key officials, interest group leaders, or key individuals.	Can be used to anticipate issues or anticipate the reactions of groups to a decision. Can also be used to assess "how are we doing."	Requires extensive staff time.
Hearings	Formal meetings where people present formal speeches and presentations.	May be used as a "wrap-up meeting" prior to final decision. Useful in preparing a formal public record for legal purposes.	Exaggerates differences. Does not permit dialogue. Requires time to organize and conduct.
Meetings	Less formal meetings for people to present positions, ask questions, and so forth.	Highly legitimate form for the public to be heard on issues. May be structured to permit small group interaction—anyone can speak.	Unless small-group discussion format is used, permits only limited dialogue. May get exaggerated positions or grandstanding. Requires staff time to prepare for meeting.

CONTINUE

TABLE 6-2. PARTICIPATION TECHNIQUES (continued)

Technique	Features	Advantages	Disadvantages
Workshops	Smaller meetings designed to complete a task.	Very useful for tasks such as identifying siting criteria or evaluating sites. Permits maximum use of dialogue, good for consensus-building.	Limitations on size may require several workshops in different locations. Is inappropriate for large audiences. Requires staff time for multiple meetings.
Plebiscite	Citywide election to decide where or whether a facility should be built.	Provides a definite, and usually binding, decision on where or whether a facility should be built.	"Campaign" is expensive and time-consuming. General public may be susceptible to uninformed emotional arguments.
Polls	Carefully designed questions are asked of a portion of the public selected as representative of public opinion.	Provides a quantitative estimate of general public opinion.	Provides a "snapshot" of public opinion at a point in time—opinion may change. Assumes all viewpoints count equally in decision. Costs money and must be professionally designed.

August 12, 1993

Mr. William E. Griggs, P.E.
Principal, Griggs & Maloney Inc.
P.O. Box 2968
Murfreesboro, TN 37133-2968

Dear Mr. Griggs:

Thank you for your request for information on WasteWorld, the solid waste management and energy curriculum guide that we are providing at no cost right now to 500 middle schools nationwide. This is a National Pilot Study underwritten by the U.S. Department of Energy. Upon reviewing the results of the Pilot Study in December, the DOE will evaluate whether to provide additional funds for a broader distribution of WasteWorld in 1994. I have enclosed this information for you in hopes that your municipal clients may know of teachers that are interested in participating in the Pilot Study.

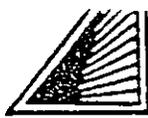
The WasteWorld program was designed to teach 6-8th graders about integrated solid waste management and the energy implications involved. The program includes an interactive computer software program based on Macintosh software, a slide show, workbook materials, a teacher's guide, and supplementary materials. In addition to learning about substantive environmental issues, the students also learn valuable decision-making and research skills, as well as how to exchange their views in a group setting. Depending on how a teacher incorporates these materials into existing coursework, the teacher could plan for anywhere from 2 to 6 weeks for WasteWorld.

Thank you for reviewing these materials. Please let me know if you are aware of any teachers that may be interested in participating as a pilot site.

Best regards,



Margaret Ann Charles, Director
State Programs and Policy



Development Specialists



ORDER FORM

Effective February 1, 1993

• Telephone: (310) 420-6814 • FAX: (310) 420-1485

MAIL TO: EDS, 5505 East Carson Street, Suite 250, Lakewood, CA 90713-3093

Order Placed By: _____ (Name) _____ (Telephone) _____ (Date)

BILL TO: _____

SHIP TO: (Street address please)

Purchase Order No.: _____

Imprinting: YES NO

COMPLETE UNITS

(See other side for materials included in each unit.)

UNIT	MAJOR THEME	PRICE	NUMBER ORDERED	EXTENDED PRICE
Kindergarten	<i>Conserving Trees & Other Resources</i>	\$40.00		
Grade 1	<i>Conserving Natural Resources</i>	\$40.00		
Grade 2	<i>The 3 R's — Reduce, Reuse, Recycle</i>	\$40.00		
Grade 3	<i>Creating Less Pollution</i>	\$40.00		
Grade 4	<i>Reducing Solid and Liquid Waste</i>	\$40.00		
Grade 5	<i>Pollution Solutions</i>	\$40.00		
Grade 6	<i>Sustaining Natural Resources</i>	\$40.00		

SCHOOL PACKS

K - 3	Includes four units—one each for grades K-3— and one <i>Think Earth</i> video	\$120.00		
4 - 6	Includes three units—one each for grades 4-6— and one "e" video	\$95.00		

ADDITIONAL MATERIALS

Units Without Video	___ K ___ 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6	\$25.00		
Videos	___ <i>Think Earth</i> for K-3 ___ "e" for 4-6	\$25.00		
Badges	Set of 50	\$10.00		
Watches	___ Men's ___ Women's	\$29.95		
T-Shirts	___ Youth Large ___ Adult Large ___ Adult X-Large	\$14.95		
Tote-Bag		\$7.50		
Regular Tree Wafer		\$.99		
Mini Tree Wafer		\$.49		

Quantity Discounts

Select your discount on total number of units purchased.

50 - 249 units......5%
 250 - 499 units......10%
 500 units or more......15%

Now Available!

- Spanish Translations (family activity sheets and stories) for grades K-3
- Blackline Masters reproduced in sets of 35 for each unit

Subtotal \$ _____

Quantity Discount — \$ _____

Materials Total \$ _____

Note: The costs for shipping, and, if applicable, imprinting and sales tax (California only) will be added when invoiced.

KINDERGARTEN
Conserving Trees & Other Resources

THINK EARTH Video

- ◆ Teacher guide
- ◆ Poster, *THINK EARTH*
- ◆ Poster, *The Environment*
- ◆ Story cards, *Jay's Tree*
- ◆ Story cards, *The Tree-house Party*

- ◆ Blackline masters:
 - Practice exercises
 - Family activity sheet
 - Mini-poster
 - Hanging badge

GRADE 1
Conserving Natural Resources

◆ **THINK EARTH Video**

- ◆ Teacher guide
- ◆ Poster, *THINK EARTH*
- ◆ Poster, *Everything Comes From The Environment*
- ◆ Story cards, *Bye, Bye, Bernie*
- ◆ Story cards, *Bernie is Back*
- ◆ Natural resources and products cards

- ◆ Blackline masters:
 - Pretest
 - Posttest
 - Practice exercises
 - Family activity sheet
 - Mini-poster

GRADE 2
The 3 R's—Reduce, Reuse, Recycle

◆ **THINK EARTH Video**

- ◆ Teacher guide
- ◆ Poster, *THINK EARTH*
- ◆ Poster, *Reduce, Reuse, Recycle*
- ◆ Story cards, *The Rascals*
- ◆ Story cards, *The 3 R's*
- ◆ Trash/resource cards

- ◆ Blackline masters:
 - Pretest
 - Posttest
 - Practice exercises
 - Family activity sheet
 - Mini-poster

GRADE 3
Conserving Natural Resources

◆ **THINK EARTH Video**

- ◆ Teacher guide
- ◆ Poster, *THINK EARTH*
- ◆ Poster, *Our Community*
- ◆ Story cards, *Trashbot*
- ◆ Story cards, *A Little Means a Lot*

- ◆ Blackline masters:
 - Pretest
 - Posttest
 - Practice exercises
 - Family activity sheet
 - Mini-poster

GRADE 4
Reducing Solid and Liquid Waste

◆ **"e" Video**

- ◆ Teacher guide
- ◆ Poster, *Trash: Where Does It Go?*
- ◆ Poster, *Water: Where Does It Go?*
- ◆ Poster, *Ways To Help Think Earth*
- ◆ Hazardous and solid waste cards

- ◆ Blackline masters:
 - Pretest
 - Posttest
 - Practice exercises
 - Take-home exercises
 - Family activity sheet
 - Mini-posters

GRADE 5
Pollution Solutions

◆ **"e" Video**

- ◆ Teacher guide
- ◆ Poster, *What Causes Pollution?*
- ◆ Poster, *Ways to Help Think Earth*

- ◆ Blackline masters:
 - Pretest
 - Posttest
 - Handouts
 - Practice exercises
 - Family activity sheet
 - Mini-posters

GRADE 6
Sustaining Natural Resources

◆ **"e" Video**

- ◆ Teacher guide
- ◆ Poster, *Nature to Neighborhoods*
- ◆ Poster, *Ways to Help Think Earth*

- ◆ Blackline masters:
 - Pretest
 - Posttest
 - Handouts
 - Practice exercises
 - Family activity sheet
 - Mini-posters

THINK EARTH VIDEO (VHS)
THINK EARTH is an animated video that introduces children to the environment and to the need for all of us to conserve natural resources, reduce waste, and minimize pollution.

"e" VIDEO (VHS)
"e" is a live-action video incorporating computer graphics, animation, and environmental footage. Part one introduces students to the environmental problems of overusing natural resources, creating too much waste, and polluting the environment. In part two, students learn what they can do to help the environment.

THINK EARTH!

ENVIRONMENTAL EDUCATION PROG



ORDERING INFORMATION

The Think Earth Environmental Education Program has been developed to be environmentally-conscious and cost-effective. Materials are printed on recycled paper, and blackline masters are provided to allow teachers to reproduce just the number of student handouts they need. Providing reproducible masters also keeps your costs down since no restupply is needed. Teachers will use the Think Earth program year after year at a one-time cost to you.

Educational Development Specialists can provide you with a variety of personal services to help you implement the Think Earth program in your community, including:

- ✓ Free teacher brochures
- ✓ Imprinting
- ✓ Promotional items
- ✓ And much more!

For ordering and other information, write or call:
 Educational Development Specialists
 5505 E. Carron Street, Suite 250
 Lakewood, CA 90713

(310) 420-6814 • Fax (310) 420-1485



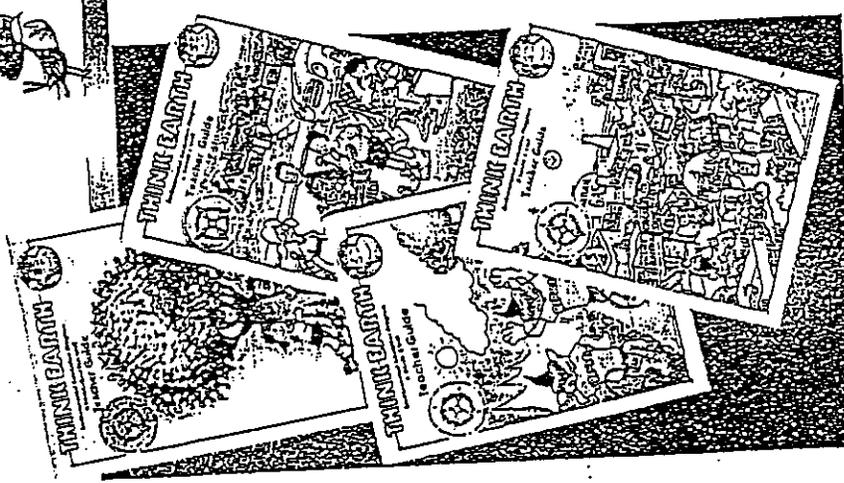
Our most valued acknowledgments are those we receive from the students, teachers, parents, and sponsors - like you.

- ◆ "What a great program - easy to teach - I'll be the family involvement." (teacher)
- ★ "I liked going home and discussing the Think Earth program with my mother. We have decided to do many things to help." (student)
- ▲ "Thanks so much for showing the Think Earth curriculum with our kids. My son came home and explained what environment means. Others wanted their parents to walk to work. And I am constantly reminded not to waste water." (parent/letter to sponsor)
- "My agency could never have produced such a program. We're giving exposure to an educational area that we could never have achieved by ourselves." (sponsor)
- ◆ "The video held the students' attention extremely well! This tied in nicely with our new state adapted social studies curriculum. Thank you!" (teacher)
- "The children were surprised to see how little they knew; they averaged only 33% on the pretest. Then they averaged 92% on the posttest!" (teacher)
- "I will turn off the lights when I leave the room, and when I grow up I'll make a solar-powered car." (student)



Grades K-3

Think Earth Units contain...



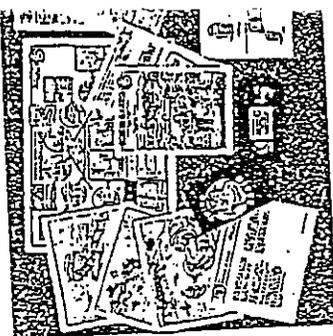
The Kindergarten Unit focuses on conserving trees and other resources. Students learn that trees provide us with many benefits, including fresh air, wood, and paper, and they learn the importance of using paper, water, electricity, and other resources wisely.

The Grade 1 Unit focuses on conserving natural resources. Students learn that everything comes from the environment. They discover that recycling, along with using water, paper, electricity, and natural gas wisely, are important ways to conserve natural resources.

The Grade 2 Unit focuses on the 3 R's—reduce, reuse, and recycle. Students learn that by practicing the 3 R's, we not only reduce the amount of solid waste that we bury in landfills, but we also conserve natural resources, save energy, and reduce pollution.

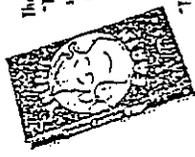
The Grade 3 Unit focuses on creating less pollution. Students learn that waste from producing, distributing, consuming, and disposing of products can pollute our land, water, and air. They discover what they can do to help control pollution and improve the quality of our environment.

- ✓ Teacher guide, with procedures for 58 lessons
- hands-on enrichment activities
- background information
- children's literature list
- additional sources for information & materials
- ✓ 2-3 full-color posters
- ✓ Story cards
- ✓ Resource / Product / Trash cards
- ✓ Reproducible masters for:
 - Pictet and posttest
 - Student handouts
 - Practice exercises
 - Artist poster
 - Family activity sheet
- ✓ Video



K-3 Video

The video for grades K-3, entitled "Think Earth," is an animated presentation that introduces children to how we use natural resources from the environment and shows what we can all do to help the environment. The videologue contains two 7-minute versions of "Think Earth." The first version is narrated. The second version is presented without words to that children, both English speaking and non-English speaking, can supply their own narration.



4-6 Video

The video for grades 4-6, entitled "Think Earth," is a 27-minute, live-action presentation that incorporates computer graphic animation, and environmental footage. In part 1, "e," a surrealistic character who magically appears through a computer, presents several environmental problems. In part 2, possible solutions to these problems are explored. Students learn that if everyone helps, the environment will be helped.

◆ SUPPOSE...

all of the children in your community began to:

- ✓ recycle papers, bottles, and cans
- ✓ dispose of wastes properly
- ✓ walk, bike, or carpool whenever possible
- ✓ use electricity, water, natural gas, paper, and other resources wisely



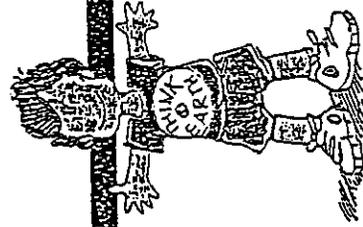
Students in your community can learn these and other responsible environmental behaviors with the *Think Earth* Environmental Education Program. By providing *Think Earth* to the schools in your area, you can show your commitment to the community, to education, and to the environment, while also teaching a lot of kids and their families to "think earth."



Think Earth is a comprehensive environmental education program for children in kindergarten through grade 6. This program addresses all elements of the environment—air, land, water, and energy. Students learn the importance of a clean, healthy environment and learn what they can do to conserve natural resources, reduce waste, and minimize pollution.



An instructional unit is provided for each grade level of the *Think Earth* program. Each unit relates all elements of the environment, while emphasizing a specific theme.



Grades 4-6



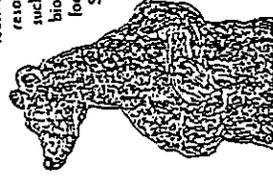
The Grade 4 Unit focuses on reducing solid and liquid waste. Students learn where our trash and wastewater come from and where they go. They discover ways to reduce the amount of solid waste, hazardous waste, and wastewater we produce, which will help conserve natural resources, limit pollution, and keep the environment clean.



The Grade 5 Unit focuses on pollution solutions. Students learn about the causes and effects of smog, global warming, ozone depletion, acid rain, groundwater and soil pollution, and surface water and ocean pollution. They identify ways that everyone can help minimize pollution.



The Grade 6 Unit focuses on sustaining natural resources. Students learn about the benefits of the natural environment and learn that overuse of our natural resources can cause problems, such as loss of habitat, loss of biodiversity, pollution, and food and water shortages. Students discover many ways to conserve natural resources and use them in sustainable ways.



The *Think Earth* program has been honored with a number of awards and recognition among these:

- The Presidential Award for Excellence in Environmental Education (National Geographic Society)
- The Excellence in Environmental Education Award for K-12 (The Solid Waste Association of North America)
- The Clean Environment Award for Excellence in Environmental Education (South Carolina Department of Natural Resources)
- A Top 10 Environmental Education Program (National Association of Environmental Educators)

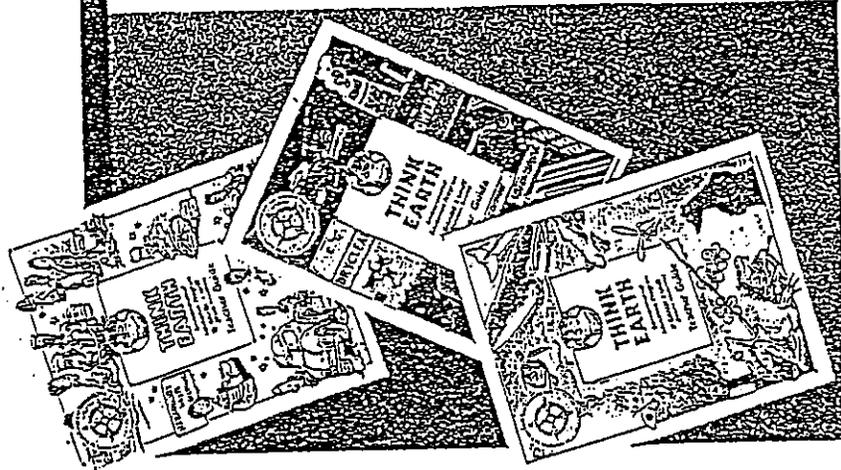


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Chapter 10

Problem Wastes

General

The Solid Waste Management Act addresses four areas of problem wastes which must be addressed. Some of these wastes are banned from disposal in Class I landfills and others are simply acknowledged as items in need of evaluation. This section will examine these wastes and the Region's options as to their handling and disposal.

Household Hazardous Waste

Household Hazardous Waste (HHW) are those wastes discarded from homes which are listed by The EPA as hazardous or displaying hazardous characteristics. These include paints, aerosol sprays, medicines, pesticides batteries, etc. These wastes pose serious problems to the environment when improperly discarded. Class I landfills are not designed to address the unique problems presented by these wastes. It is estimated that each household in Tennessee generates 15 pounds of HHW annually. Table 10-1 shows the estimated annually generation rates for the region.

Table 10-1
Household Hazardous Waste Generated

County	Number of Households ¹	HHW Generated Annually (Tons)
Chester	4,558	34
Hardin	8,726	65
McNairy	8,834	66
Wayne	5,174	39
Total	27,292	204

1 from Needs Assessment, Page 1-2

To help in the proper disposal of HHW, the State of Tennessee has established a mobile collection and disposal program. This program allows each county in the state to schedule a HHW collection event at which the mobile collection contractor will accept these wastes for transportation and disposal at a licensed facility. It is the county's responsibility to schedule and advertise these events.

Each county within the Shiloh Solid Waste Region will schedule such events at least annually for the duration of the program. Should public response warrant, these events will be scheduled more frequently.

Each county will select and provide a site at which the collection event can be held. These sites can be located at the county landfill or at a convenience center with adequate space for the event. The county will provide a single man, the recycling coordinator if available, to aid in security, traffic control and emergency response. Area volunteers may also be requested if it is deemed necessary. It is expected that this system will be sufficient for initial collection events. Collection events will be evaluated and scheduling revised as necessary following each event.

The initial collection events should be relatively inexpensive with the major cost being for the education and advertising needed to inform the citizens of the event and its purpose. It is expected that such events can be held for under \$1,000 for the duration of the State Program. At the termination of the State program, the response to and expense of such services will be examined and continued as needed.

As a means of reducing the HHW disposed of at Class I landfills, an extensive public outreach program. It is expected that the education and public outreach program will begin at the commencement of the school year. County and city schools will be used as a major source of public communication. Area media will be used to disseminate information as the collection date approaches and newspapers will be asked to announce the event throughout the month preceding the event. An implementation schedule follows:

Commencement of School Based Education	Fall 1994
Begin Radio and Newspaper Advertisements	Fall 1994
Announce Collection Date	Fall 1994
Collection Date	Fall 1994

This schedule will be revised as the program progresses and at the discretion of each county involved. Each county will develop its own collection event and cooperation between counties for regional events will be evaluated as the program proceeds.

A list of materials which will be accepted under the State's Household Hazardous Waste Collection Program follows.

Table 10-2
List of Acceptable Materials

Household Hazardous Waste Mobile Collection and Disposal Program

Household Cleaners	Drain Openers Oven Cleaners Wood and Metal Cleaners and Polishers Toilet Bowl Cleaners Disinfectants
Automotive Products	Oil and Fuel Additives Grease and Rust Solvents Carburetor and Fuel Injector Cleaners Air Conditioning Refrigerants Starter Fluids Body Putty Anti-Freeze/Coolant Waste Oil
Home Maintenance and Improvement Products	Paint Thinners Paint Strippers and Removers Adhesives Paint
Lawn and Garden Products	Herbicides Pesticides/Rodenticides Fungicides/Wood Preservatives
Miscellaneous	Batteries Fingernail Polish Remover Pool Chemicals Photo Processing Chemicals Low-level Radioactive Compounds Medicines/Drugs Reactives (aerosols/compressed gas)

Waste Tires

Whole waste tires are no longer allowed to be disposed of in Class I landfills. Each county within the region currently will begin collecting waste tires. When a sufficient number of tires are collected, the county will contact the State shredding unit which will come to the site and shred the tires. After the shredding of the tires, they are disposed of in the landfill.

At the current rate, each county must contact the state shredder three or four times a year. During storage, the tires are to be covered with a tarp and sprayed to control insect populations. Access to the area is to be controlled.

At present it is estimated that not all of the waste tires within the region are disposed of through the solid waste system. Some tires are burned or dumped throughout the region. Any waste tires illegally dumped will be collected as part of the region's litter control program and properly disposed of.

Waste Oil

Waste oil is currently not accepted through the existing collection systems within the region. All counties within the region possess private industries which accept waste oil for reprocessing. These include most "quick" oil change facilities within the region. This system efficiently handles the waste oil in the region and the disposal of waste oil through these facilities will be encouraged by the county and by convenience center personnel.

In addition, as mandated by T.C.A. 68-31-866, each county will provide a single site to collect these fluids and store them until transfer is possible. This site will be located at a centrally located convenience center and will accept all items mandated by the above statute. The facility will comply with all applicable regulations for "do-it-yourself" used oil collection centers. The site is expected to be operational in late 1994.

Lead Acid Batteries

Lead acid batteries are currently not accepted at the regional landfills. The region possesses private industries which buy back such batteries for recycling. These include most facilities which sell these batteries within the region. This system efficiently handles the batteries in the region and the disposal through these facilities will be encouraged by the county and by convenience center personnel.

In addition, as mandated by T.C.A. 68-31-866, each county will provide a single site to collect these items and store them until transfer is possible. This site will be located at a convenience center and will accept all items mandated above. The facility will comply with all applicable regulations for lead acid battery collection centers. The site is expected to be operational in late 1994. Since the collection site will be incorporated into an existing or previously planned site, the cost of lead acid battery collection should be minimal. Also, since these items are regularly purchased for recycling, the cost of disposing of these items should also be minimal.

Litter

The Shiloh Region has an estimated unmanaged waste amount of 20,950 tons of waste annually, see Table 2-5 . According to the Needs Assessment, roughly 1,500 tons of this is litter in illegal dumps and along highways. The regional counties all have Adopt-a-Highway programs to aid in cleaning up major highways. The establishment of regional convenience centers is also expected to greatly reduce illegal dumping and eliminate the litter problems associated with the green box locations currently in use.

Advertisement

Each county will advertise to the general public the day(s) and hours and location where the HHW collection will take place. Following is a copy of § 68-211-829 of the Solid Waste Act of 1991.

Each county or solid waste authority, if created, shall provide a service site and shall advertise in newspapers of general circulation in the county the day(s) and hours and location where the household hazardous waste will be collected by the mobile unit. The advertisements shall also identify examples of household hazardous waste that the mobile unit will receive. The county or solid waste authority shall also furnish at least one (1) person to represent the county or solid waste authority at the service site on the days of collection, who will assist the persons operating the mobile collection unit. [Acts 1991, ch. 451, § 35; T.C.A. § 68-31-829.]

Special Wastes

Special wastes (as defined by the Division of Solid Waste Management) will be dealt with on an individual, case-by-case basis, as required by the Division of Solid Waste Management.

Grants

The Tennessee Legislature passed the Used Oil Collection Act of 1993 establishing a program for the collection and safe disposal of used motor oil. It is funded by a new 2 cent tax on motor oil that went into effect July 1, 1993. The tax revenues will fund grants to assist local governments in establishing collection sites for used oil, educational programs, and technical assistance in identifying and implementing acceptable used oil disposal plans. The grants will be administered by the special wastes section of the Tennessee Department of Environment and Conservation. The contact person is Mr. Don Manning at (615) 532-0076.

The State will also award a grant for the collection of HHW to counties with a 1980 population of 100,000 or more or to municipalities with a 1980 population of 287,700 or more (§ 68-211-828). No county or municipality in the B-C-H Region qualifies for this grant.

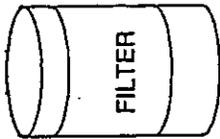
Summary

Each county will establish a site for the residents to bring their household hazardous wastes for proper disposal. The collection site and date will be well publicized and coordinated with the state appointed contractor.

**Flyers Distributed by the
Tennessee Department of Environment and Conservation**



About Oil Filters:



If you change your oil filter, drain the old one by punching an air hole in the top and drain a minimum of 12 hours.

Dispose of the oil filter only after it is properly drained.

Check to see if there is a filter crushing and recycling program in your community.

NOTE: Commercial handlers of used oil and oil filters may be subject to more stringent requirements than those specified for do-it-yourselfers.

The information contained in this pamphlet is based on current state laws and best management practices. Recommendations may change over time as new laws and information are developed. Contact the Division of Solid Waste Assistance if you have any questions.

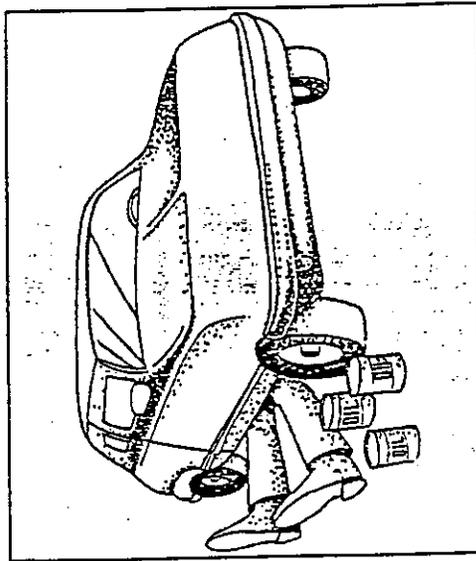
Division of Solid Waste Assistance
Special Wastes Section
14th Floor, L & C Tower
401 Church Street
Nashville, TN 37243-0455
(615) 532-0091

What Tennessee
Do-It-Yourselfers
Should Know
About
Disposing of

USED MOTOR OIL



TENNESSEE WASTEWISE



Tennessee Department of Environment and Conservation. Authorization No. 327421, 2,000 copies. This public document was promulgated at a cost of \$.09 per copy. January 1993.

Printed on recycled-content paper.

BEST MANAGEMENT PRACTICES

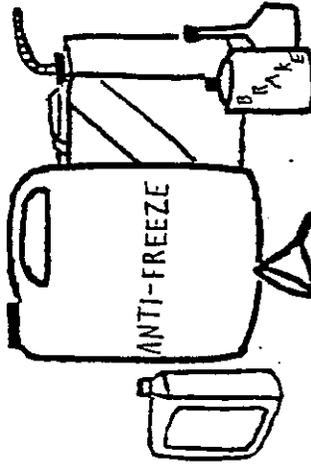
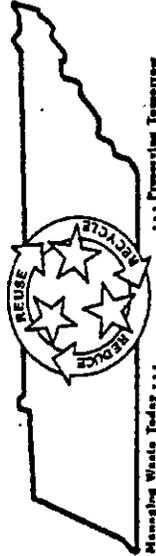
- Buy only what you need.
- Give leftovers to someone who can use them.
- Always store such fluids in the original container.
- Take recyclable fluids to businesses or locations that recycle.
- Safely store and donate any unrecyclable fluids to your county's household hazardous waste collection program if the fluid is advertised as one the contractor will accept.

The information contained in this pamphlet is based on current state laws and best management practices. Recommendations may change over time as new laws and information are developed. Contact the Division of Solid Waste Assistance if you have questions.

DIVISION OF SOLID WASTE ASSISTANCE
SPECIAL WASTE SECTION
14th FLOOR, L & C TOWER
401 CHURCH STREET
NASHVILLE, TN 37243-0455
(615) 532-0091

PROPER
DISPOSAL
OF
AUTOMOTIVE
FLUIDS

TENNESSEE WASTEWISE



Printed on recycled-content paper



Tennessee Department of Environment and Conservation. Authorization No. 327425; 4,000 copies. This public document was promulgated at a cost of \$.05 per copy. February 1993.

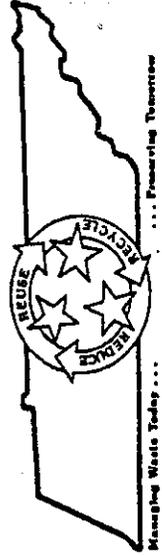
OPTIONS
FOR
PAINT AND SOLVENT
DISPOSAL

Division of Solid Waste
Assistance
Special Waste Section
14th Floor, L & C Tower
401 Church Street
Nashville, TN 37243-0455
(615) 532-0091

TO AVOID DISPOSAL PROBLEMS:

- Buy only what you need
- Use it up before buying more
- Apply another coat
- Store cans upside down to prevent hardening or moisture damage (be certain the lid is securely in place).

TENNESSEE WASTEWISE

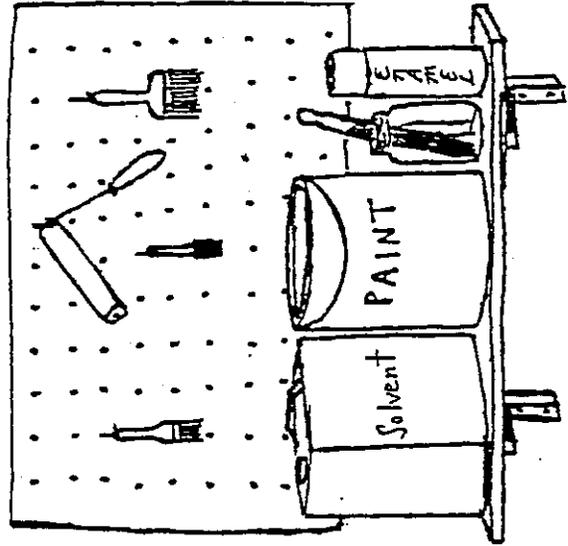


Note: Commercial handlers and users of paints and solvents may be subject to more stringent requirements than those specified for households.

The information contained in this brochure is based on current laws and best management practices. Recommendations may change over time as new laws and information are developed. Contact the Division of Solid Waste Assistance if you have questions.

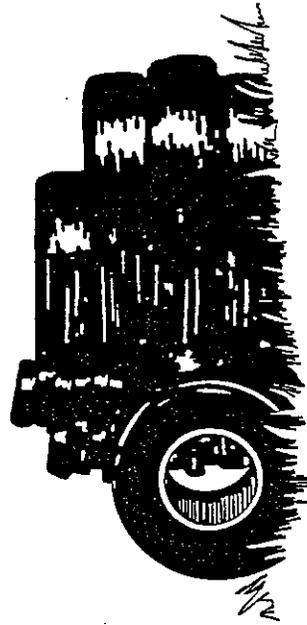


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Proper Handling and Disposal of Waste Tires

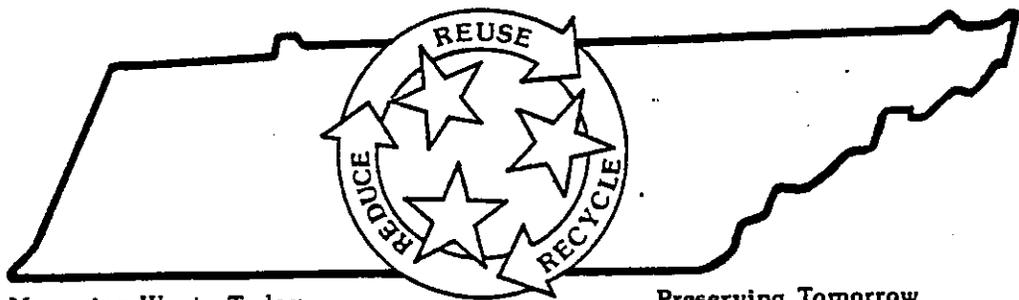
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Printed on recycled-content paper

TENNESSEE WASTEWISE



Managing Waste Today . . .

. . . Preserving Tomorrow

REMEMBER:

- *Buy only what you need to apply.
- *Read the label instructions and apply product accordingly.
- *Store pesticides in their original container in a safe, dry, well-ventilated area.
- *Never bury or pour pesticides onto the ground.
- *Triple rinse empty liquid containers and render them unusable.

WHO CAN I CONTACT ?

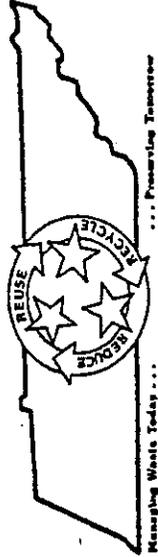
Local government agencies and agricultural organizations may be contacted for information.

The information contained in this pamphlet is based on current laws and best management practices. Recommendations may change over time as new laws and information are developed. Contact the Division of Solid Waste Assistance if you have questions.

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**WHAT TO DO
WITH
UNWANTED
PESTICIDES**

TENNESSEE WASTEWISE



Tennessee Department of Environment and Conservation. Authorization No. 327423; 4,000 copies. This public document was promulgated at a cost of \$.05 per copy. February 1993.

WASTE REDUCTION TIPS:

BUY ONLY THE AMOUNT YOU NEED.

USE ALL OF THE PRODUCT (NO WASTE).

GIVE LEFTOVER PRODUCTS TO SOMEONE WHO CAN USE THEM.

CHOOSE AND USE SAFER PRODUCTS.

HANDLE ALL CHEMICALS WITH CARE.

READ THE LABEL FIRST FOR INFORMATION.

PROPERLY DISPOSE OF UNUSED LEFTOVERS.

Contact your local county officials to see if a household hazardous waste collection program is being planned in your county and if household cleaners will be accepted.

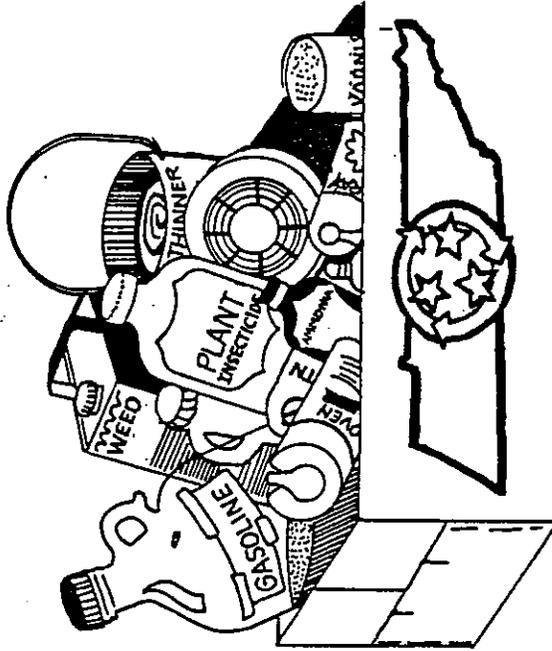
The information contained in this brochure is based on current state laws and best management practices. Recommendations may change over time as new laws and information are developed. Contact the Division of Solid Waste Assistance if you have any questions.

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HOUSEHOLD CLEANERS

POTENTIAL HAZARDOUS
WASTE
IN THE HOME

TENNESSEE WASTEWISE



Tennessee Department of Environment and Conservation, Authorization No. 327432, 4,000 copies. This public document was promulgated at a cost of \$.05 per copy. March 1993.

SUGGESTED DISPOSAL

In the absence of a better method for the proper disposal of dry cell batteries, the suggested procedure is to put them in a sealed plastic bag and place in the trash.

The practice of storing used batteries in the home could create a potential danger for small children who may ingest button batteries or put them in their ears. Possible leakage from other types of dry cell batteries may also cause injury and property damage.

The use of rechargeable batteries could reduce the volume of batteries sent to landfills. Rechargeable batteries and a battery charger may be practical substitutes for dry cell batteries in the home.

The information contained in this pamphlet is based on current state laws and best management practices. Recommendations may change over time as new laws and information are developed. Contact the Division of Solid Waste Assistance if you have questions.

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WHAT WE KNOW

ABOUT

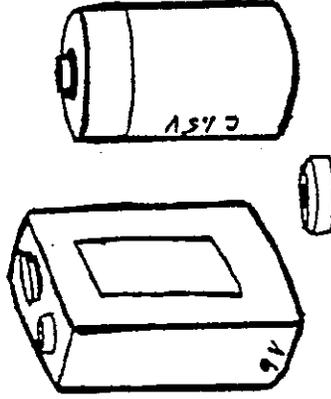
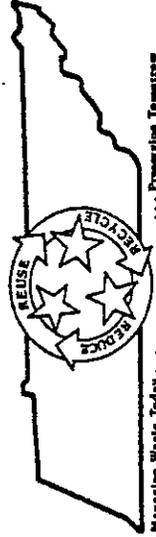
DRY CELL BATTERIES

AND

THEIR PROPER

DISPOSAL

TENNESSEE WASTEWISE



Tennessee Department of Environment and Conservation. Authorization No. 327499. 4,000 copies. This public document was promulgated at a cost of \$.05 per copy. March 1993.

REMEMBER:

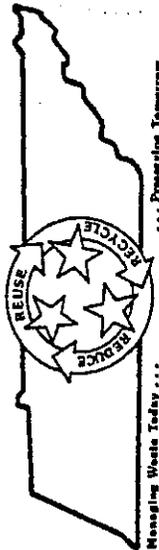
- Don't Trash
- Don't Burn
- DO Recycle!

Lead-Acid Batteries.

The information contained in this pamphlet is based on current state laws and best management practices. Recommendations may change over time as new laws and information are developed. Contact the Division of Solid Waste Assistance if you have any questions.

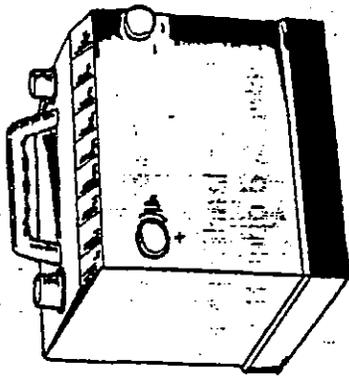
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TENNESSEE WASTEWISE



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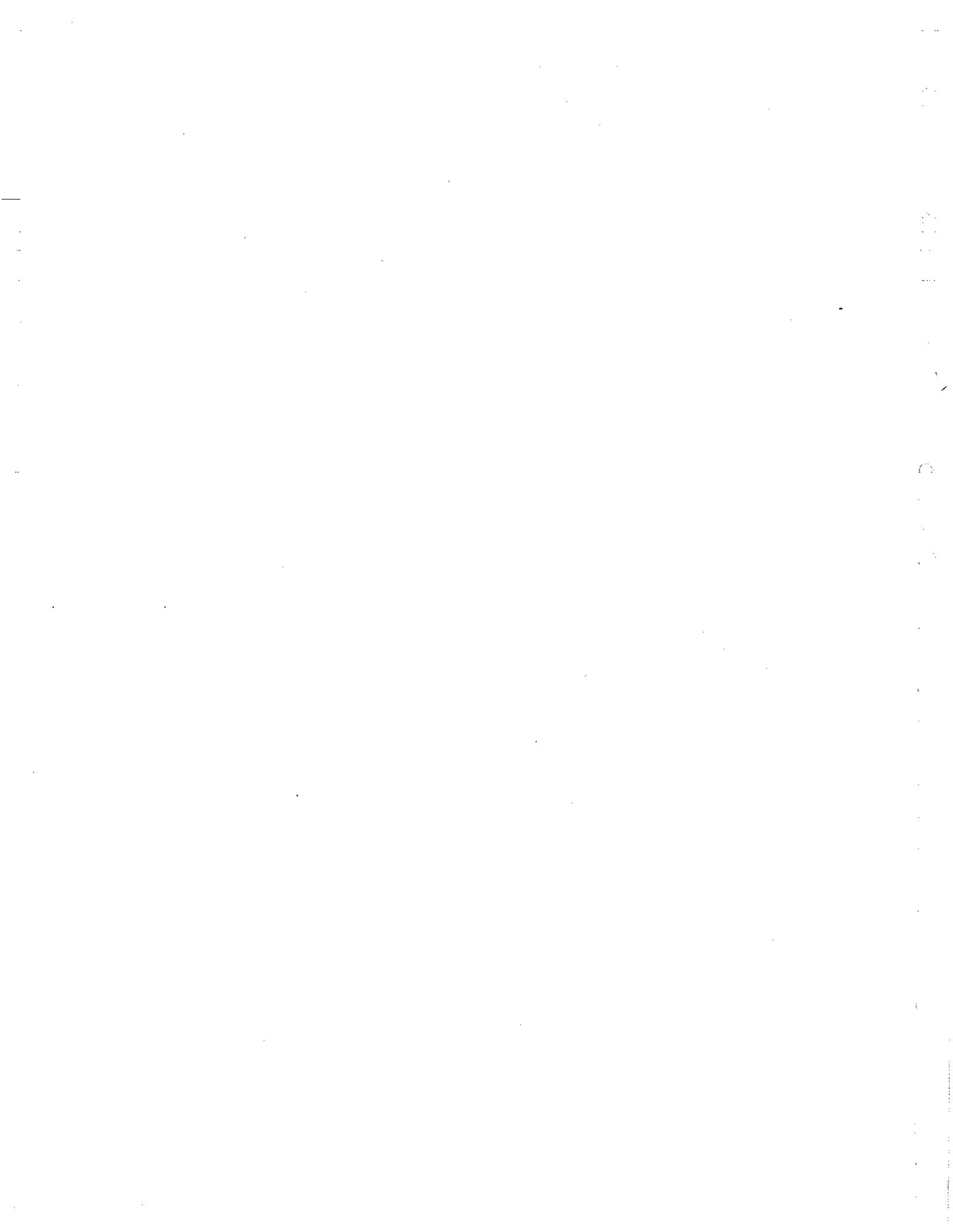
**PROPER DISPOSAL
OF
LEAD-ACID
BATTERIES**



Chapter 11 Implementation: Schedule, Staffing, and Funding

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Chapter 11

Implementation: Schedule, Staffing, and Funding

System Definition

1. Region's Components and Structure
2. Region's Goals, Objectives, and Strategy
 - a. Goals
 1. It is the goal of the Shiloh Regional Solid Waste Planning Region to make the region's citizens, commercial businesses, industries, and institutions active, participating partners in the reduction, reuse, recycling, collection, management, and disposal of the region's solid waste.
 2. It is the goal of the Shiloh Regional Solid Waste Planning Region to reduce, reuse, and/or recycle as much of the region's waste as practical.
 3. It is the goal of the Shiloh Regional Solid Waste Planning Region to dispose of the remaining solid waste in an environmentally safe manner as inexpensively as possible, considering all factors.
 4. It is the goal of the Shiloh Regional Solid Waste Planning Region to provide adequate collection services to its residents.
 - b. Objectives
 1. It is the objective of the Shiloh Regional Solid Waste Planning Region to present information concerning our goals to the citizens of the region.
 2. It is the objective of the Shiloh Regional Solid Waste Planning Region to educate our adults and children as to the importance of solid waste reduction, recycling, reuse, and the environmental safe disposal of the remaining solid wastes.
 3. It is the objective of the Shiloh Regional Solid Waste Planning Region to assist our industries, commercial business, and institutions to reduce, reuse, and/or recycle their wastes as much as practical.

c. Strategy

The Region will achieve its goals and objectives by launching and maintaining an effective education system to obtain the voluntary social action of our citizens. We will also operate our recycling and collection services in a cost effective, market and customer responsive manner. We will also secure the least expensive, but environmentally sound, method of disposal of our remaining wastes.

3. Projected Solid Waste Generation to be Collected and Managed

TABLE 11-1
SOLID WASTE TO BE COLLECTED & MANAGED AFTER 25% REDUCTION, TONS/YR*

Year	Chester Co.①	Hardin Co.②	McNairy Co.③	Wayne Co.④	Total
1994	8,597	15,312	14,950	9,327	48,186
1995	7,315	15,058	12,703	7,933	41,009
1996	7,317	13,090	12,688	7,930	41,025
1997	7,319	13,122	12,672	7,929	41,042
1998	7,321	13,153	12,657	7,926	41,057
1999	7,322	13,185	12,642	7,925	41,074
2000	7,324	13,217	12,626	7,972	41,089
2001	7,322	13,228	12,590	7,908	41,048
2002	7,319	13,239	12,555	7,894	41,007
2003	7,317	13,249	12,520	7,879	40,965

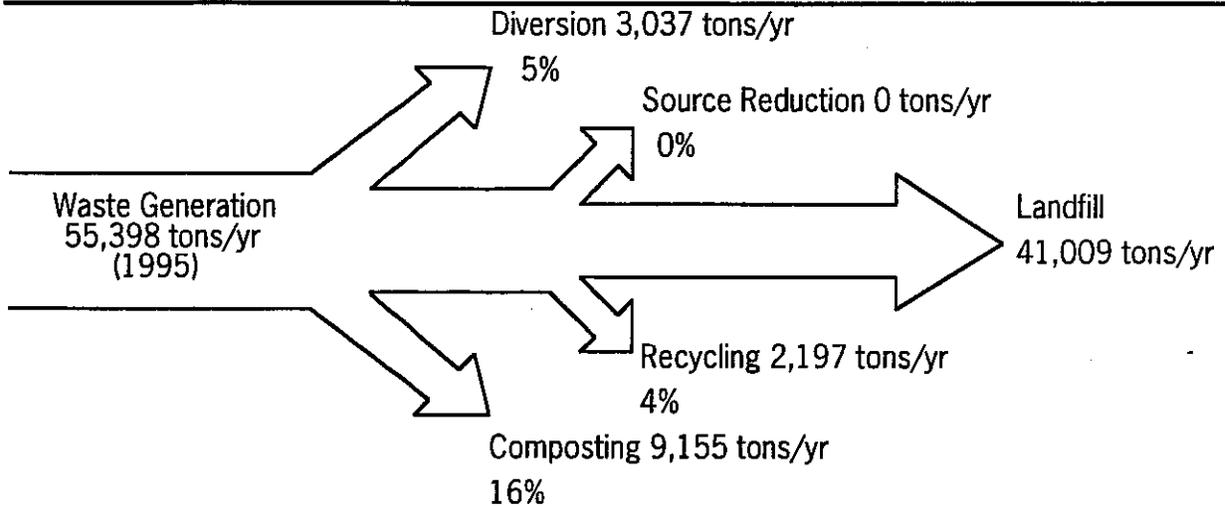
* From: ①Table 8-1, ②Table 8-2, ③Table 8-3, ④Table 8-4

4. Proportional Flow Diagram

Figure 11-1 shows a proportional flow diagram.

5. Composite Map

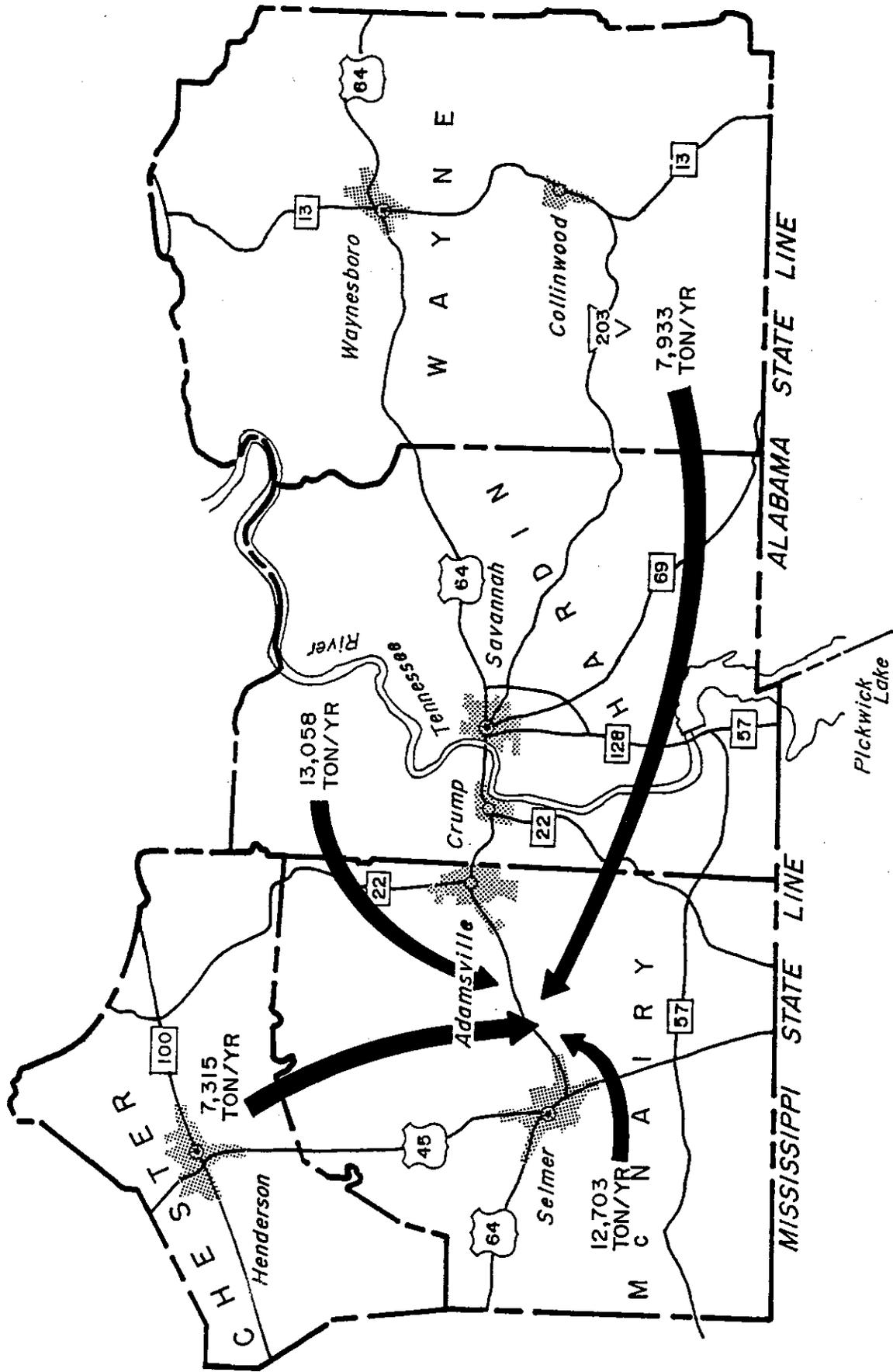
Figure 11-2 shows a composite map of the Regional Solid Waste System as planned.



Waste Generation = Population (Table 1-6) x 0.77 (page 4-2)
 Diversion From Table 4-3 (Demolition Waste)
 Source Reduction From Table 4-6
 Recycling From Table 6-5
 Composting From Table 4-3 (Yardwaste)

GRIGGS & MALONEY
 INCORPORATED
 Engineering & Environmental Consulting
 PO Box 2968 • Murfreesboro, TN 37133
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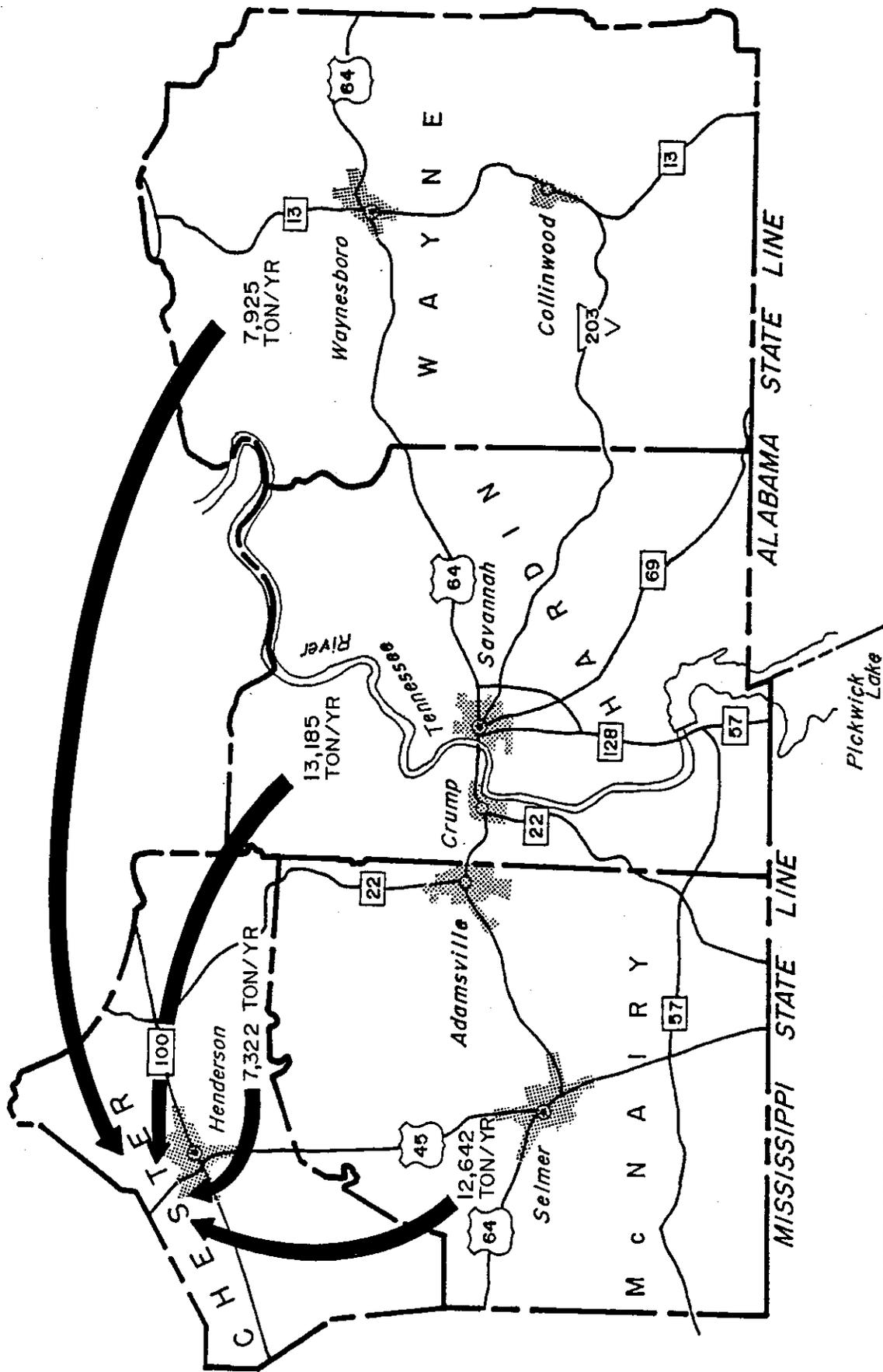
Figure 11-1
 Shiloh Solid Waste Region
 Proportional Flow Diagram
 1995



TONNAGE FROM TABLES 8-1, 8-2, 8-3, AND 8-4.

FIGURE 11-2

REGIONAL COMPOSITE SOLID WASTE STREAM
 SHILOH SOLID WASTE REGION
 1935



NOTE: ASSUMING A REGIONAL LANDFILL AT CHESTER COUNTY USED BY ENTIRE REGION.

TONNAGE FROM TABLES 8-1, 8-2, 8-3, AND 8-4.

FIGURE 11-3

REGIONAL COMPOSITE SOLID WASTE STREAM
SHILOH SOLID WASTE REGION

1999

6. Institutional Structure for Plan Implementation

Shiloh Region will establish a citizen advisory board. This board will advise the Region and serve as a liaison between the public and the Region. The County Commission and County Executive of each county currently has the authority and responsibility for all solid waste matters. If, in the future, a solid waste authority is formed, the authority will assume most of the responsibilities for implementing this plan. Until an authority is formed or if an authority is not formed, the responsibility for all solid waste matters will remain with the individual county commissions and county executives.

IMPLEMENTATION SCHEDULE AND MILESTONES

1. State Deadlines

March 19, 1994	Certification of landfill operators must be implemented
June 30, 1994	Solid waste regional plans are due
December 31, 1994	Whole waste tires will no longer be accepted for landfilling
January 1, 1995	Site to accept and store whole waste tires, used automotive fluids/oils, and lead-acid batteries must be established
January 1, 1995	Solid waste collection and disposal system must be available in each county
December 31, 1995	Requirements for 25% waste reduction becomes effective
January 1, 1996	Collection sites for recyclable materials must be established
June 30, 1996	Tipping fee surcharge expires

2. Regional Implementation Schedules and Milestones

a. Years 1994 to 1998

July 1, 1994

- 1) Have McNairy County landfill operator certified.
- 2) Have 10 year plan submitted.
- 3) Hire recycle/reduction/education coordinator for each county.
- 4) Prepare educational program to begin in Fall, 1994 (see Chapter 9).
- 5) Begin preparation for advertisement of collection of household hazardous waste (see Chapter 10).
- 6) Begin program of contacting industries regarding waste separation and reduction, coordinate with the University of Tennessee.

December 1, 1994

- 1) Establish waste tire storage, used automotive fluids/oils, and lead-acid batteries in each county.
- 2) Establish the required number of convenience centers in each county or establish door-to-door collection.
- 3) Establish Class III/IV landfills in McNairy, Hardin, and Wayne Counties.
- 4) Establish Advisory Board.
- 5) Establish Speaker's Bureau.
- 6) Determine if disposal of solid waste at a regional landfill or at a commercial landfill is best.

July 1, 1995

- 1) Establish a recycling center in each county.
- 2) Determine if waste reduction goal of previous year was met.
- 3) Convert green boxes to roll-off containers.

July 1, 1996

- 1) Determine if waste reduction goal of previous year was met.
- 2) Convert green boxes to roll-off containers.

July 1, 1997

- 1) Determine if waste reduction goal of previous year was met.

July 1, 1998

- 1) Determine if waste reduction goal of previous year was met.
- 2) Establish mobile collection bins for recycling.

b. Years 1999 to 2003

July 1, 1999 — July 1, 2003

- 1) Determine if waste reduction goal of previous year met.

TABLE 11-2
IMPLEMENTATION SCHEDULE
SHILOH REGION

Task	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Form a Solid Waste Authority	✓									
Submit 10 year plan	✓									
McNairy County landfill operator certified	✓									
Establish Class III/IV Landfill in McNairy, Hardin, & Wayne Cos.	✓	✓								
Hire coordinator for each county	✓									
Educational program	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Collection of household hazardous wastes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Industrial waste separation & reduction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Establish advisory board	✓									
Establish speaker's bureau	✓									
Establish mobile collection bins for recycling								✓	✓	✓
Establish recycling center		✓								
Convert from green boxes to roll off containers with stationary compactors		✓	✓							
Determine if a regional landfill or transporting to a commercial landfill is best. If a regional landfill is developed, see schedule, Table 8-18.	✓									

STAFFING AND TRAINING REQUIREMENTS

1. Management Positions

a. Recycling/Reduction/Education Coordinator

Each county should appoint a Recycling/Reduction Education Coordinator. This can be either a paid or a volunteer position. The coordinator may operate with or without a staff. The coordinator's duties should include:

- Publicity of the location and operating hours of the permanent and traveling recycling drop off points.
- Education of the advantages and requirements of recycling. Only recyclables should be placed in the recycling containers.
- Policing the recycling areas.
- Working with the local industries, commercial establishments, and institutions on solid waste reduction. This will include coordination with the programs offered by the University of Tennessee.
- Working with the schools and other groups to encourage recycling contests.
- Determining markets for the recycled materials. This will include coordination with the State's Office of Cooperative Marketing For Recyclables.
- Assist with preparing annual budgets.

This person should be a "people" person. They will need to be able to communicate and present programs to an entire range of populace. They will be expected to present a recycling program to a kindergarten class in the morning, speak to a group of business leaders at lunch, and drive home a hard bargain for the sale of recyclable in the afternoon. Most of all, they have to believe in recycling and reduction and be enthusiastic.

Ideally, their training will be primarily in public speaking and they should be able to have some dealings with math and financial matters.

b. Collection Manager

Each county should appoint a collection manager to supervise the collection system(s). This will include the supervision of the convenience center attendants and truck drivers. This person should also be capable of handling door to door collections (if initiated) or manage the collection contracts (if initiated). This person should possess management skills and have some experience with equipment. The collection equipment will need periodic maintenance, repairs and replacement. This person's duties will include:

- Supervision of convenience center attendants.
- Supervision of truck drivers.

- Supervision of collection crews.
- Overseeing any collection contracts.
- Preparing an annual budget.
- Recruitment and hiring of personnel.
- Working with the public.

This person's training should include personnel management, planning, dealing with finances and budgets, and equipment maintenance. This position may be combined with the Recycling/Reduction/Education Coordinator.

c. Landfill Operator

If a Regional Class I landfill is developed and operated (other than by contract operation) the landfill should be managed by a landfill operator. The operator would be responsible for supervising all aspects of the Class I landfill including:

- All personnel.
- Preparing trenches to receive solid waste.
- Leachate collection and management.
- Groundwater monitoring.
- Providing daily, intermediate, and final cover.
- Maintaining all roads.
- Establishing traffic patterns.
- And all other items necessary to operate a landfill in the proper manner.

This person should possess management skills, be able to deal with the public, be able to prepare budgets, and be familiar with the operation and care of each piece of equipment.

The operator would be required to obtain certification as a Class I landfill operator.

The McNairy Landfill is projected to be open until 1996. The current landfill operator is required to be certified by March 19, 1994.

Wayne, Hardin, and McNairy are considering developing a Class III/IV landfill in each county. If developed, each landfill must be operated by a certified operator. The Class III/IV landfill operator would be responsible for supervising all aspects of the landfill including:

- All personnel
- Preparing trenched to receive wastes

- Groundwater monitoring
- Providing the required cover
- Maintaining all roads
- Establishing traffic patterns
- And all other items necessary to operate a Class III/IV landfill in the proper manner.

This person should possess management skills, be able to deal with the public, be able to prepare budgets, and be familiar with the operation and care of each piece of equipment.

d. Solid Waste Manager

Each county should have a solid waste manager to be responsible for all aspects of the county's solid waste and supervise the recycling/reduction coordinator, collection manager, and landfill operator. Depending on the number of employees and the preference of each county, this manager can be a new, designated employee or it can be an existing official such as the county executive, or it can be combined with the Recycling/Reduction/Education coordinator.

2. Currently Authorized Solid Waste Management Positions

a. Chester County

Chester County currently authorizes a solid waste manager position as well as several convenience center attendants and truck drivers. The director, attendants, and truck drivers work under the supervision of the county executive.

b. Hardin County

Hardin County recently authorized a solid waste manager position as well as several convenience center attendants and truck drivers. The director, attendants, and truck drivers work under the supervision of the County Executive.

c. McNairy County

McNairy County is considering employing a solid waste manager. The county currently employs several truck drivers to pick up the "green boxes" as well as a landfill operator and other landfill employees. All of the collection and landfill personnel work under the supervision of the County Executive.

d. Wayne County

Wayne County employs a solid waste director who serves as the baler operator as well as recycle coordinator and collection manager. The baler personnel and truck drivers work under the supervision of the county executive. The baled waste is currently hauled to the McNairy County landfill by a contract truck driver. The manager and truck drivers work under the direction of the county executive.

3. Projected, Additional Staff Requirements

a. Chester County

Chester County is considering adding an additional convenience center. It is projected that additional center attendants will be the only additional staff required.

b. Hardin County

Hardin County is planning additional convenience centers. It is projected that additional center attendants will be the only additional staff required. A Class III/IV landfill is planned. The proposed Class III/IV landfill would require the addition of a certified operator. The existing Savannah-Hardin County landfill is operated by contract. Upon closure of the existing Class I landfill in December, 1993, Hardin County will begin transporting its solid waste to the McNairy County landfill. Therefore, an additional truck driver will be needed.

c. McNairy County

McNairy County is planning a series of convenience centers and is planning to develop a Class III/IV landfill. McNairy currently operates a Class I landfill and accepts solid waste from Chester County and Wayne County and will begin accepting solid waste from Hardin County in December, 1993. The McNairy County Class I landfill is projected to reach capacity in 1996. Until that time, the current Class I operators will also operate the proposed Class III/IV landfill. Therefore, the projected staff additions will consist of a Recycling/Reduction/Education Coordinator and convenience center attendants.

d. Wayne County

The Wayne County collection service meets and exceeds the minimum required, the baler is already staffed, and solid waste is transported by contract. The position of Solid Waste Director is filled. If Wayne County develops a Class III/IV landfill, a certified operator will need to be hired.

e. Regional Class I Landfill

If a regional Class I landfill is developed, additional staff will be required to operate it. This would consist of a certified operator, two assistant operators, and a scale operator/billing clerk.

TABLE 11-3
STAFFING PLAN: 1994 – 1996
SHILOH REGION

	1994				1995				1996			
Chester County												
Solid Waste Manager	x											
Convenience Center Attendants	x		✓									
Truck Drivers	x											
Hardin County												
Solid Waste Manager	x											
Convenience Center Attendants	x		✓		✓							
Truck Drivers	x✓											
Class III/IV Operators						✓						
McNairy County												
Solid Waste Manager		✓										
Convenience Center Attendants			✓		✓							
Truck Drivers	x											
Class I Landfill Operators	x											
Class III/IV Operators						x						
Wayne County												
Solid Waste Manager	x											
Baler Operators	x											
Truck Drivers	x											
Class III/IV Operators						✓						
Regional Class I Landfill (if developed)												
Class I Operators										✓		
Scale Operator/Billing Clerk										✓		

x Existing
 ✓ Additional

Funding

There are several funding options to meet the estimated costs as shown on Tables 11-4, 11-5, 11-6, and 11-7. Unless an authority is formed, each county will be responsible for funding its own budget. If an authority is formed, the counties will assign the desired responsibilities to the authority. The authority will then be responsible for funding the tasks assigned to it and the counties will be responsible for funding the tasks retained by them. For example, the authority may be assigned the task of disposing of the Region's solid waste (or arranging for the disposal), and the counties retain the task of operating the collection services. Transfer station construction and operation can either be assigned to the authority or retained by the counties.

In addition, it is recommended that McNairy, Hardin, and Wayne County each develop a Class III/IV landfill. Hardin County could develop one independently; however, it would be more practical to develop one jointly with Savannah. The budgets shown in Tables 11-4, 11-5, 11-6, and 11-7 assume that the counties will retain all tasks (no authority formed) and will be responsible for the development and operation (except Chester County) of a Class III/IV landfill.

If a regional landfill is developed, an authority should be formed to own and operate the facility. The authority would fund the facility by tipping fees based on tonnage.

The following is a suggested funding alternative. Each county can modify this alternative as necessary. County funding should be either fee based or be from revenue taxes such as sales tax or beer tax. Counties should not fund the solid waste program from the property tax. If funded from the property tax, it would be difficult to justify asking the cities to pay part of the disposal cost since city residents also pay county property taxes, and it would appear that the city residents may be paying twice for disposal.

Each county (and authority if an authority is formed) must keep an accurate record of all costs and revenues associated with disposal. Accurate records should also be kept of all costs and revenues associated with collection. Enterprise funds must be established not later than July 1, 1994.

Grants

At this time, State grants are available (or are to become available) for such activities as:

- Matching grant assistance to established or upgrade convenience centers (TCA § 68-211-824)
- Recycling collection site equipment (TCA § 68-211-825)
- Collection of household hazardous waste (TCA § 68-211-828)
- Grants to implement education programs (TCA § 68-211-847)
- Litter grant

Since many grants are awarded on a competitive basis, and since all grants are subject to availability of funds, the following budgets assume no grant funds.

Tipping fees and collection fees can be set and collected; however, the revenues can only be used for solid waste management purposes; they cannot be diverted to other uses. The host county of a solid waste disposal facility may impose a host county fee or surcharge, but it can only be used to offset "costs incurred and other impacts resulting from the county being host to the solid waste disposal facility or incinerator." Municipalities can share in host county fees if appropriate. Fees can also be collected to offset collection costs including convenience centers. These fees can be collected through an electric utility, subject to the agreement of the electric utility. The following is a copy of several sections of the Solid Waste Act of 1991.

§ 68-211-835. Tipping fee - Amount - Collection - Expenditure of revenues - Joint ventures - Surcharges - Solid waste disposal fees - Collection. - (a) Effective July 1, 1991; each county, municipality, or solid waste authority which owns a municipal solid waste disposal facility or incinerator may impose a tipping fee upon each ton of municipal solid waste or its volume equivalent received at such solid waste disposal facility or incinerator. Such a tipping fee shall be set by the governing body of the county or municipality, or by the board of directors of the solid waste authority. This tipping fee shall be collected by the operator of the publicly owned municipal solid waste disposal facility or incinerator and remitted to the owner. The fee imposed may be equal to, or a portion of, the estimated cost of providing solid waste management services on a per ton or volume equivalent. By July 1, 1993, such full cost shall be determined pursuant to the uniform solid waste accounting system developed by the controller of the treasury.

(b) Revenue from tipping fees at publicly owned solid waste disposal facilities and incinerators received by counties, municipalities and solid waste, authorities shall be expended only for solid waste management purposes.

(c) When a municipal solid waste disposal facility is operated as a joint venture by more than one (1) city or county, or combination thereof, or by an authority, the tipping fee authorized under this section shall be imposed by the joint operators or authority, and the tipping fee received shall be remitted to the participating local governments or authorities for expenditure for solid waste management purposes only.

(d) In addition to any tipping fee imposed by any local government under this section, there shall also be imposed a surcharge of eighty-five cents (85¢) per ton on each ton of municipal solid waste received at all solid waste disposal facilities or incinerators. The operator of the municipal solid waste disposal facility or incinerator will collect this surcharge and remit it to the state treasury to be paid into the solid waste management fund. The surcharge imposed by this subsection shall expire on June 30, 1993.

(e) In order to encourage regional use of solid waste disposal facilities or incinerators, a county that is host to a solid waste disposal facility or incinerator used by other counties in the same region formed pursuant to this part may impose a surcharge on municipal solid waste received at any such solid waste disposal facility or incinerator by resolution of its county legislative bodies in the region. The surcharge shall be imposed on each ton or volume equivalent of municipal solid waste so received.

The revenue received by a county from the surcharge authorized by this subsection shall be expended for solid waste management purposes or for purposes related to offsetting costs incurred and other impacts resulting from the county being host to the solid waste disposal facility or incinerator. If any municipality in the host county incurs costs as a result of such a municipal solid waste facility or incinerator, then the county shall appropriate funds derived from the surcharge revenue to the municipality which shall be used by the municipality to offset such costs.

(f) (1) In addition to any fee authorized by Title 5, and to any tipping fee imposed by any local government under this section, a county, municipality or solid waste authority is authorized to impose;

(A) A surcharge on each ton of municipal solid waste received at a solid waste disposal facility or incinerator for expenditure for solid waste collection or disposal purposes consistent with this part; and/or

(B) A solid waste disposal fee authorized by subsection (g).

(2) The surcharge authorized to be imposed by a county by subdivision (f)(1)(A) shall not take effect until a regional solid waste plan is approved for such county.

(g) (1) In addition to any power authorized by Title 5, a county, municipality or solid waste authority is authorized to impose and collect a solid waste disposal fee. Funds generated from such fees may only be used to establish and maintain solid waste collection and disposal services, including, but not limited to, convenience centers. All residents of the county shall have access to these services. The amount of the fee shall bear a reasonable relationship to the cost of providing the solid waste disposal services. Such fees shall be segregated from the general fund and shall be used only for the purposes for which they were collected.

(2) Subject to any other requirement of law, a county, municipality or solid waste authority may enter into an agreement with an electric utility to collect the solid waste disposal fee as a part of the utility's billing process. The agreement shall be approved by the governing body of the county or municipality entering into the agreement, or, in the case of a solid waste authority, the agreement shall be approved by the authority's board of directors.

(3) a solid waste disposal fee shall not be imposed on any generator of solid waste when the generator's solid waste is managed in a privately owned solid waste disposal system or resource recovery facility owned by the generator. [Acts 1991, ch. 451, § 54; T.C.A. § 68-31-835.]

Table 11-4
Projected 10-Year Budget
Chester County

Item	1994 -	1995 -	1996 -	1997 -	1998 -	1999 -	2000 -	2001 -	2002 -	2002 -
	1995	1996	1997	1998	1999	2000	2001	2002	2002	2003
Solid Waste Mgr ①	27,300	28,700	30,100	31,600	33,200	34,800	36,600	38,400	38,400	40,300
Convenience Cntr ②										
Capital	35,000									
Annual ⑥	120,000	126,000	132,000	139,000	146,000	153,000	161,000	169,000	169,000	177,000
Recycling Program ③		7,500								
Education Budget	5,300	5,500	5,800	6,100	6,400	6,700	7,000	7,400	7,400	7,800
Disposal Costs ④	125,000*	125,000*	333,100	333,200	333,200	333,300	333,200	333,100	333,100	333,000
Class III/IV Landfill										
Capital ⑦										
Annual ⑤	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000
Misc.	31,700	29,000	50,100	50,700	54,200	55,200	56,200	54,500	54,500	58,900
Totals	375,300	352,700	582,100	591,600	604,000	614,000	625,000	633,400	633,400	648,000

- Notes:
- ① Salary \$20,000/yr plus 30% fringe benefits, 5% annual inflation.
 - ② From Table 5-7, includes capital cost of 1 existing center.
 - ③ From Table 6-6.
 - ④ Unit costs from Table 8-13 Least Cost Alternative; tons from Table 8-1.
 - ⑤ 1,300 tons per year, \$15/ton tipping fee plus \$7/ton transportation cost.
 - ⑥ 5% annual inflation.
 - ⑦ Share use of McNairy County Class III/IV Landfill.
- * Disposal at McNairy County Landfill for \$17/ton plus \$7/ton transportation costs, 5,300 tons/yr.

**Table 11-5
Projected 10-Year Budget
Hardin County**

Item	1994 -	1995 -	1996 -	1997 -	1998 -	1999 -	2000 -	2001 -	2002 -
	1995	1996	1997	1998	1999	2000	2001	2002	2003
Solid Waste Mgr	27,300	28,700	30,100	31,600	33,200	34,800	36,600	38,400	40,300
Convenience Cntrs									
Capital	96,000								
Annual	200,000	210,000	220,000	231,000	243,000	255,000	268,000	281,000	295,000
Recycling Program	7,500	7,500	7,500	7,500	7,500	7,500			
Education Budget	5,300	5,500	5,800	6,100	6,400	6,700	7,000	7,400	7,800
Disposal Costs	391,700 *	392,700 *	625,400	626,900	628,400	630,000	630,500	631,000	631,500
Class III/IV Landfill									
Capital	150,000								
Annual	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000
Closure of Existing Landfill									
Closure	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000
Post Closure	20,000	21,000	22,000	23,000	24,000	25,000	26,000	28,000	29,000
Misc.	103,200	80,600	105,200	106,900	108,500	110,000	111,400	112,200	114,400
Totals	1,143,000	888,000	1,158,000	1,175,000	1,193,000	1,211,000	1,221,500	1,240,000	1,260,000

Notes: ① Salary \$20,000/yr plus 30% fringe benefits, 5% annual inflation.
 ② From Table 5-7.
 ③ From Table 6-6.
 ④ Unit costs from Table 8-13 Least Cost Alternative; tons from Table 8-2.
 ⑤ 4,000 tons per year, \$15 per ton tipping cost.
 ⑥ 5% annual inflation.
 ⑦ Five more convenience centers plus share cost of 6th center at Milledgeville with McNairy County.
 ⑧ Closure cost from closure plan: \$605,000 financed for 10yrs at 6%=\$82,000/yr, post closure costs from closure plan.

* Disposal at McNairy Co. Landfill for \$17/ton plus \$13/ton transportation costs, including transfer station costs from closure plan.

**Table 11-6
Projected 10-Year Budget
McNairy County**

Item	1994 -	1995 -	1996 -	1997 -	1998 -	1999 -	2000 -	2001 -	2002 -
	1995	1996	1997	1998	1999	2000	2001	2002	2003
Solid Waste Mgr. ①	27,300	28,700	30,100	31,600	33,200	34,800	36,600	38,400	40,300
Convenience Cntr ②									
Capital ⑦	83,000	83,000	83,000	83,000	83,000	—	—	—	—
Annual ⑥	200,000	210,000	220,000	231,000	243,000	255,000	268,000	281,000	295,000
Recycling Program ③	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	—
Education Budget	5,300	5,500	5,800	6,100	6,400	6,700	7,000	7,400	7,800
Disposal Costs ④	298,000*	298,000*	551,000	551,000	550,000	550,000	548,000	546,000	545,000
Class III/IV Landfill									
Capital	100,000	—	—	—	—	—	—	—	—
Annual	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000
Closure of existing landfill ⑧									
Closure	—	268,000	268,000	268,000	—	—	—	—	—
Post Closure	—	—	20,000	21,000	22,000	23,000	24,000	26,000	27,000
Misc.	69,900	77,300	113,600	115,800	98,900	89,000	92,900	92,700	95,900
Totals	826,000	1,013,000	1,334,000	1,350,000	1,079,000	1,001,000	1,019,000	1,034,000	1,046,000

Notes: ① Salary \$20,000/yr plus 30% fringe benefits, 5% annual inflation.

② From Table 5-7.

③ From Table 6-6.

④ Unit costs from Table 8-13 Least Cost Alternative; tons from Table 8-3.

⑤ \$10 per ton; 3,500 tons per year.

⑥ 5% annual inflation.

⑦ 10 convenience centers plus share cost of one center at Milledgeville with Hardin County, amortize capital cost of \$350,000 for 5 yrs at 6%=\$83,000/yr.

⑧ Costs from Closure Plan. Capital cost of \$717,873 amortized for 3 yrs at 6% = 268,000/yr.

* Disposal at McNairy County Landfill for \$17/ton.

**Table 11-7
Projected 10-Year Budget
Wayne County**

Item	1994 -	1995 -	1996 -	1997 -	1998 -	1999 -	2000 -	2001 -	2002 -
	1995	1996	1997	1998	1999	2000	2001	2002	2003
Solid Waste Mgr. ①	27,300	28,700	30,100	31,600	33,200	34,800	36,600	38,400	40,300
Convenience Cntr ②	—	—	—	—	—	—	—	—	—
Capital	—	—	—	—	—	—	—	—	—
Annual ⑥	42,000	44,000	46,000	49,000	51,000	54,000	56,000	59,000	62,000
Recycling Program ③	—	—	—	—	—	—	—	—	—
Education Budget	5,300	5,500	5,800	6,100	6,400	6,700	7,000	7,400	7,800
Disposal Costs ④	214,000*	214,000*	319,000	319,000	319,000	319,000	319,000	318,000	317,000
Class III/IV Landfill	—	—	—	—	—	—	—	—	—
Capital	150,000	—	—	—	—	—	—	—	—
Annual ⑤	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Baler Maintenance ⑦	14,000	16,000	17,000	19,000	21,000	23,000	25,000	28,000	31,000
Misc.	43,400	33,800	44,100	44,300	45,400	46,500	46,400	47,200	48,900
Totals	526,000	372,000	492,000	499,000	506,000	514,000	520,000	528,000	537,000

Notes: ① Salary \$20,000/yr plus 30% fringe benefits, 5% annual inflation.

② From Table 5-7.

③ From Table 6-6.

④ Unit costs from Table 8-13 Least Cost Alternative; tons from Table 8-4.

⑤ \$15 per ton; 2,000 tons per year.

⑥ 5% annual inflation.

⑦ Increase at 10% per year.

* Disposal at McNairy County Landfill for \$17/ton plus \$10/ton; transportation cost (baled waste).

**Table 11-8
Chester County
Estimated Annual Revenues from
Proposed Funding Sources**

Year	Disposal Costs Funded by Henderson (Class I & Class III/IV) ①	County Revenue Tax	Fees	Recycling Revenue	Total Budget ②
1994-1995	\$78,000	\$292,300	—	\$5,000	\$375,300
1995-1996	\$78,000	\$269,700	—	\$5,000	\$352,700
1996-1997	\$182,000	\$395,100	—	\$5,000	\$582,100
1997-1998	\$182,000	\$404,600	—	\$5,000	\$591,600

① 50% of Class I disposal and 50% of Class III/IV disposal.

② From Table 11-4.

**Table 11-9
Hardin County
Estimated Annual Revenues from
Proposed Funding Sources**

Year	Disposal Costs Funded by Savannah ①	County Revenue Tax	Fees	Recycling Revenue	Total Budget ②
1994-1995	\$256,000	\$882,000	—	\$5,000	\$1,143,000
1995-1996	\$181,000	\$702,000	—	\$5,000	\$888,000
1996-1997	\$249,000	\$904,000	—	\$5,000	\$1,158,000
1997-1998	\$250,000	\$920,000	—	\$5,000	\$1,175,000

① 50% of Closure and Post Closure costs and capital Class III/IV costs, prorated by population for Class I disposal.

② From Table 11-5.

**Table 11-10
McNairy County
Estimated Annual Revenues from
Proposed Funding Sources**

Year	Fees from Cities ①	County Revenue Tax	Fees ③	Recycling Revenue	Total Budget ②
1994-1995	\$180,000	\$327,000	\$314,000	\$5,000	\$826,000
1995-1996	\$180,000	\$341,000	\$487,000	\$5,000	\$1,013,000
1996-1997	\$268,000	\$1,042,000	\$19,000	\$5,000	\$1,334,000
1997-1998	\$289,000	\$1,037,000	\$19,000	\$5,000	\$1,350,000

① Prorated by population, see Table 11-12.

② From Table 11-6.

③ Fees:

1994-1995 Class I: Chester Co. 5,300 tons @ \$17/ton
Wayne Co. 5,200 tons @ \$17/ton
Hardin Co. 8,000 tons @ \$17/ton

1995-1996 Class I: Chester Co. 5,300 tons @ \$17/ton
Wayne Co. 5,200 tons @ \$17/ton
Hardin Co. 17,000 tons @ \$17/ton

1995-1996 and later

Class III/IV: Chester Co. 1,300 tons @ \$15/ton

Table 11-11
Wayne County
Estimated Annual Revenues from
Proposed Funding Sources

Year		Disposal Costs Funded by Cities ①	County Revenue Tax	Fees	Recycling Revenue	Total Budget ②
1994-1995	Clifton	\$11,000				
	Collinwood	\$18,000				
	Waynesboro	\$36,000	\$456,000	—	\$5,000	\$526,000
1995-1996	Clifton	\$11,000				
	Collinwood	\$18,000				
	Waynesboro	\$36,000	\$302,000	—	\$5,000	\$372,000
1996-1997	Clifton	\$16,000				
	Collinwood	\$25,000				
	Waynesboro	\$51,000	\$395,000	—	\$5,000	\$492,000
1997-1998	Clifton	\$16,000				
	Collinwood	\$25,000				
	Waynesboro	\$51,000	\$402,000	—	\$5,000	\$499,000

① Prorated by population for disposal and Class III/IV annual costs.

② From Table 11-7.

Table 11-12
Proposed City Fees — McNairy County

Year 1994-1995

City	Disposal Fee Based on population	Collection Fee Based on population	Total
Adamsville	26,000	City Collection	
Bethel Springs	11,000	10,000	
Eastview	8,000	7,000	
Finger	4,000	4,000	
Guys	7,000	6,000	
Michie	10,000	9,000	
Milledgeville	2,000	2,000	
Ramer	5,000	4,000	
Selmer	57,000	City Collection	
Statonville	4,000	4,000	
Total	\$134,000	\$46,000	<u><u>\$180,000</u></u>

Year 1995-1996

City	Disposal Fee Based on population	Collection Fee Based on population	Total
Adamsville	26,000	City Collection	
Bethel Springs	11,000	10,000	
Eastview	8,000	7,000	
Finger	4,000	4,000	
Guys	7,000	6,000	
Michie	10,000	9,000	
Milledgeville	2,000	2,000	
Ramer	5,000	4,000	
Selmer	57,000	City Collection	
Statonville	4,000	4,000	
Total	\$134,000	\$46,000	<u><u>\$180,000</u></u>

Table 11-12 (cont'd)
Proposed City Fees — McNairy County

Year 1996-1997

City	Disposal Fee Based on population Class I, III, & IV	Collection Fee Based on population	Total
Adamsville	26,000	City Collection	
Bethel Springs	20,000	10,000	
Eastview	15,000	8,000	
Finger	7,000	4,000	
Guys	13,000	7,000	
Michie	18,000	9,000	
Milledgeville	4,000	2,000	
Ramer	9,000	5,000	
Selmer	100,000	City Collection	
Statonville	7,000	4,000	
Total	\$219,000	\$49,000	<u><u>\$268,000</u></u>

Year 1997-1998

City	Disposal Fee Based on population	Collection Fee Based on population	Total
Adamsville	46,000	City Collection	
Bethel Springs	20,000	11,000	
Eastview	15,000	8,000	
Finger	7,000	4,000	
Guys	13,000	7,000	
Michie	18,000	9,000	
Milledgeville	4,000	2,000	
Ramer	9,000	5,000	
Selmer	100,000	City Collection	
Statonville	7,000	4,000	
Total	\$239,000	\$50,000	<u><u>\$289,000</u></u>

Chapter 12
Allocation Of Implementation Responsibilities:
Plan Adoption and Submission

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Chapter 12

Allocation Of Implementation Responsibilities: Plan Adoption and Submission

Specific Responsibilities per County and Municipality

Specific responsibilities for each County and Municipality is shown in Chapter 11, Section B.

Adoption

1. Regional Administrative Board

The Shiloh Regional Solid Waste Planning Committee adopted this 10 year plan on JAN. 10, 1994.

2. Chester County Commission

The Chester County Commission adopted this 10 year plan on APRIL 11, 1994.

3. Hardin County Commission

The Hardin County Commission adopted this 10 year plan on MARCH 15, 1994.

4. McNairy County Commission

The McNairy County Commission adopted this 10 year plan on FEBRUARY 14, 1994.

5. Wayne County Commission

The Wayne County Commission adopted this 10 year plan on JANUARY 20, 1994.

Local Planning Commission Review

1. Regional Planning Commission

There is not a regional planning commission.

2. Chester County

Chester County does not have a planning commission.

3. Hardin County

Hardin County does not have a planning commission.

4. McNairy County

This 10 year plan was adopted by the McNairy County Planning Commission on JUNE 30, 1994

5. Wayne County

This 10 year plan was adopted by the Wayne County Planning Commission on MARCH 21, 1994.

Forming an Authority

The Shiloh Regional Solid Waste Planning Committee has not yet decided to form an authority at this time. If an authority is not formed, the responsibility for implementing the 10-year plan will rest with each county. The Implementation schedule is shown in Chapter 11. If a regional landfill is developed, an authority should be formed to develop and operate the landfill.

Even if a regional landfill is not developed, it would be advantageous to form an authority to permit the counties to work together in an efficient and business like manner. The formation of an authority would allow the counties to jointly determine potential landfill sites, conduct hydrogeological investigations, site and construct transfer stations, coordinate recycle/reuse/reduction programs and facilities and markets, receive bids for solid waste disposal at private landfills, etc. An authority would allow these activities without the political pressure that individual counties acting alone would be subject to.

The Solid Waste Act of 1991 gives a procedure to follow if an authority is to be created. An authority would be created by actions of the member county commissions. It would consist of representatives from each county, have the power to enter into contracts, sell bonds, and bill the member counties.

Following is a copy of the section of the Solid Waste Act of 1991 that deals with solid waste Authorities. Forming an authority has its advantages and disadvantages. The disadvantages are that each county commission would give up some of the power that it now exercises. This disadvantage is not irreversible in that a county in an authority could withdraw from the Authority. The advantages of an authority lie primarily in the fact that the authority would be one step removed from potential pressure when making difficult and/or potentially unpopular decisions.

An authority can be formed at any time, even before the regional 10-year plan is prepared. But the earlier it is formed, the more objective it can be in dealing with the costly solid waste alternatives.

Table 12-1 gives the steps to form a solid waste Authority.

At the end of this section are selected portions of the Act dealing with solid waste Authorities.

Table 12-1 Forming a Solid Waste Authority

1. Develop a resolution to be adopted by participating counties and cities [§ 68-211-903.(a)].
 - a. The resolution must include a name for the Authority [§ 68-211-903.(a)].
 - b. The resolution must provide for a Board a Directors (Board). The number of members shall be odd and shall be between 5 and 15. Each participating entity shall have at least one Board member [§ 68-211-904.(a)].
 - c. Board members can, but need not, be members of the county or municipal governing bodies, county executives, mayors, county or municipal officials or department heads [§ 68-211-904.(b)].
 - d. The resolution must specify if compensation will be provided to the Board members [§ 68-211-904.(c)].
 - e. Compensation may be set up such that the members mentioned in c, above, receive no compensation except reimbursement of actual expenses [§ 68-211-904.(c)].
2. Provide for public comment on the resolution [§ 68-211-904.(c)].
3. All parties adopt the resolution [§ 68-211-903.(a)].
4. Adopted resolution shall be certified to the Secretary of State by participating county court clerks, city clerks or recorders [§ 68-211-903.(a)].
5. The Board is appointed in the number and content outlined in the creating resolution lby the County Executives and Mayors and approved by their respective governing bodies [§ 68-211-904.(a)]. Initially, $\frac{1}{3}$ for 6 year terms so that the Board members terms are staggered. After the initial appointments, all terms will be 6 years [§ 68-211-904.(a)].
6. The Board meets and organizes as a Board. Elect one person Chairperson, one person Vice-chairperson, one person Secretary and one person Treasurer. One person may hold both Secretary and Treasurer positions [§ 68-211-905.(a)].
7. After organization, Board shall function and have powers as outlined in § 68-211-905 through § 68-211-924.

Note: References are to the Solid Waste Act of 1991.



**Selected Portions
of the
Solid Waste Authority Act of 1991**

and recovery of recyclable materials from the solid waste stream, including facilities or systems for the storage, conversion or transportation thereof;

(8) "Revenue" means all rents, fees and other charges received by the authority for use of its projects, facilities and services including, without limitation, all amounts received for the collection, transportation, disposal or processing of solid waste, the operation of any project, or the sale, storage, distribution or transportation of energy, energy producing materials or other materials or commodities by the authority;

(9) "Solid waste" means solid waste as defined in 68-211-103(7);

(10) "Solid waste disposal facility" means land, rights in land, buildings, facilities and equipment suitable or necessary for collecting, receiving, transferring, placing, confining, compacting, treating or covering solid waste or for processing solid waste by, without limitation, incinerating, composting, separating, grinding, shredding, reducing or otherwise modifying the characteristics or properties thereof, including all property, real and personal, appurtenant thereto or connected with such work; and

(11) "State of Tennessee" means the state of Tennessee and, unless otherwise indicated by the context, any agency, authority, branch, bureau, commission, corporation, department or instrumentality thereof now or hereafter existing.

(b) The definition of a term in subsection (a) applies to each grammatical variation of the term.

68-211-903. Solid waste authority - Creation - Resolutions - Agreements among creating counties and municipalities - Name.

(a) A county or any of the counties in a municipal solid waste region may create a solid waste authority, by resolution of the respective county governing bodies; provided, that opportunity shall be provided for public comment on such resolution. Any municipality, the majority of the territory of which lies within a county that is creating or participating with other counties in creating an authority, may join in creating the authority upon such terms as may be agreed upon and adopted by resolution of the respective county and municipal governing bodies. No authority may be formed unless each county governing body in the region has approved the resolution. If more than one (1) county or municipality participates in creating an authority, an agreement creating the authority shall be approved by the governing body of each county and municipality that is a party to the agreement as part of the resolution creating the authority. The resolutions creating the authority may be amended by the agreement of all of the participating governments to add or subtract participating governments or to dissolve the authority. The creating resolutions shall give the authority a name which

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shall identify it with the county or region. This name shall be used by the authority unless the name is amended by resolution approved by all participating counties and municipalities. Any resolutions creating, amending or dissolving an authority shall be certified by the county clerk or municipal clerk or recorder of the counties and municipalities participating in creating the authority and sent to the secretary of state.

(b) (1) Notwithstanding the provisions of this part and part 8 of this chapter requiring municipal solid waste regions to be created prior to the formation of a regional solid waste authority, any county which, by resolution of its county legislative body adopted prior to April 14, 1992, created a regional solid waste authority referencing this part and part 8 of this chapter, and which has appointed a governing board prior to April 14, 1992, is hereby authorized to operate such authority in the manner established pursuant to such statutes and resolution only within the political boundaries of any such county and political subdivisions thereof to which this section applies. Any such resolution shall have the force and effect for which it was adopted from the date of passage; provided, that all flow control provisions established pursuant to 68-211-813(b), 68-211-906(b) and 68-211-907 cannot be exercised by such authority until such time as those provisions become effective as provided by general law.

(2) If such county becomes part of a multi-county region pursuant to 68-211-813(a), then within thirty (30) days following such action such authority, in agreement with the legislative bodies of those counties included in such municipal solid waste region, may:

(A) Continue the operation of such authority by retaining the same board of directors appointed to such authority pursuant to this subsection;

(B) Expand such board to include representation of members from such additional counties; or

(C) Dissolve the authority operating pursuant to this section and form a new regional authority pursuant to this part.

(3) If such county forms a single-county region pursuant to 68-211-813(a), then such authority may remain as an authority, authorized to operate under this part.

68-211-904. Board of directors - Members - Compensation.

(a) A resolution, creating or amending the resolution creating an authority for a county or approving an agreement to create an authority with other counties or municipalities, shall provide for the establishment of a board of directors to administer the activities of the authority. The authority's board of directors may be the same board as that of the municipal solid waste region or it may be a separate board. If a board separate from that of the region is chosen, the board of

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directors shall consist of an odd number, not less than five (5) nor more than fifteen (15) members. Each county and municipality that is a member of an authority shall be represented by at least one (1) member on the board. The members of the board shall be appointed by the county executives and municipal mayors of the participating counties and municipalities, respectively, whose appointments must be approved by the respective county or municipal governing bodies. The members of the board shall serve for terms of six (6) years or until their successors are elected and are qualified by taking an oath of office, except that the initial board shall have approximately one third ($\frac{1}{3}$) of the members with terms of two (2) years and approximately one third ($\frac{1}{3}$) of the members with terms of four (4) years, so as to stagger the terms of office.

(b) Members of county and municipal governing bodies, county executives, municipal mayors, county and municipal officers and department heads may serve as directors, but the board of directors is not required to include such members.

(c) Directors may receive compensation if provided for by the resolution approved by all of the county and municipal governing bodies participating in the authority. The resolution establishing the compensation may differentiate between municipal and county officials and department heads so as to compensate only those directors who are not officials or employees of a municipal or county government, except for reimbursement for actual expenses.

68-211-905. Board of directors - Officers - Quorum - Vacancies - Removal of members.

(a) The directors shall meet and organize as a board and shall elect one (1) of its members as chairperson, one (1) as vice chairperson, one (1) as secretary and one (1) as treasurer, and such officers shall annually be elected thereafter in like manner. The duties of secretary and treasurer may be performed by the same director. In the absence of any of the chairperson, vice chairperson, secretary or treasurer, another member may be elected to fill the vacancy for the anticipated term thereof. Any action taken by the directors under the provisions of this chapter may be authorized by resolution at any regular or special meeting, and such resolution shall take effect immediately and need not be published or posted. A majority of the board of directors shall constitute a quorum for the transaction of business. The concurring vote of a majority of all the directors shall be necessary for the exercise of any of the powers granted by this chapter.

(b) Any vacancy on the board shall be filled for the unexpired term by the same governing body which filled the position becoming vacant. Any member appointed to the board may, for reasonable cause, be removed from such member's office in the

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same manner and by the same governing body as such member was appointed to the office; provided, that such removal shall be preceded by a full hearing before the remaining members of the board after adequate notice of such hearing, and a report of such hearing shall be forwarded to such appointing authority.

"Reasonable cause" includes, but shall not be limited to, misconduct in office, failure to perform duties prescribed by this part, part 8 of this chapter or other applicable law, or failure to diligently pursue the objectives for which the authority was created.

68-211-906. Solid waste authorities - Public instrumentalities - Powers - Exclusive jurisdiction and right to control collection of solid waste within boundaries - Disposal of waste by manufacturing firms.

(a) Each solid waste authority created pursuant to this part shall be a public instrumentality of the county and municipal government(s) participating in its creation or participating by agreement after its creation. The authority shall have the following powers, together with all powers incidental thereto or necessary for the performance of such powers, to:

(1) Have succession by the name given in the resolution(s) creating the authority, unless dissolved as provided in this part;

(2) Sue and be sued and prosecute and defend, at law or in equity, in any court having jurisdiction of the subject matter and of the parties;

(3) Have and use a corporate seal and alter the same at pleasure;

(4) Plan, establish, acquire, whether by purchase, exchange, gift, devise, lease, the exercise of the power of eminent domain or otherwise, and construct, equip, furnish, improve, repair, extend, maintain and operate one (1) or more projects, which projects shall be situated within the boundaries of the county or counties with respect to which the authority shall have been created, including all real and personal property, facilities and appurtenances which the board of directors of the authority may deem necessary in connection therewith and regardless of whether or not any such project shall then be in existence;

(5) Acquire, whether by purchase, exchange, gift, devise, lease, the exercise of the power of eminent domain or otherwise, any and all types of property, whether real, personal or mixed, tangible or intangible and whether or not subject to mortgages, liens, charges or other encumbrances and hold, sell, lease, exchange, donate or convey any or all of its properties, facilities or services, whenever the board of directors of the authority shall find such action to be in furtherance of the purposes for which the authority is hereby created;

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(6) Remove, receive, transport, collect, purchase, transfer or otherwise obtain solid waste for disposal or processing from any municipality, county, the state of Tennessee, the United States government or any agency thereof, the Tennessee valley authority or any person, and enter into contracts, agreements or other arrangements in connection therewith;

(7) Sell, transfer, distribute or otherwise dispose of electricity, steam, or other forms of power or energy or energy producing material or any other material, product or commodity resulting from the operation of any project, facility or service of the authority to any municipality, county, the state of Tennessee, the United States or any agency thereof, the Tennessee valley authority or any person, and enter into contracts, agreements or other arrangements in connection therewith;

(8) Make and enter into all contracts, trust instruments, agreements and other instruments with any municipality, the state of Tennessee, the United States government or any agency thereof, the Tennessee valley authority or any person, including, without limitation, bonds and other forms of indebtedness and contracts for the management and operation of any project, facility or service of the authority or the treatment, processing, storage, transfer or disposal of solid waste;

(9) Incur debts, borrow money, issue bonds and provide for the rights of the holders of such bonds;

(10) Pledge all or any part of the revenues and receipts of the authority to the payment of any indebtedness of the authority, and make covenants in connection with the issuance of bonds or other indebtedness or to secure the payment of such bonds or other indebtedness;

(11) Have control of its projects, facilities and services with the right and duty to establish and charge fees, rentals, rates and other charges for the use of the facilities and services of the authority, and the sale of materials or commodities by the authority, and collect revenues and receipts therefrom, not inconsistent with the rights of holders of its bonds;

(12) Apply for and accept donations, contributions, loans, guaranties, financial assistance, capital grants or gifts from any municipality, county, the state of Tennessee, the United States government or any agency thereof, the Tennessee valley authority or any person for or in aid of the purposes of the authority and enter into agreements in connection therewith;

(13) Operate, maintain, manage, and enter into contracts for the operation, maintenance and management of any project undertaken, and make rules and regulations with regard to such operation, maintenance and management;

(14) Exercise all powers expressly given in this part and in the creating or amending resolutions and establish bylaws and make all rules and regulations not inconsistent with the creating and amending resolutions or the provisions of this chapter,

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deemed expedient for the management of the affairs of the authority;

(15) Enter onto any lands, waters and premises for the purpose of making surveys, soundings and examinations in and for the furtherance of the purposes authorized by this part and part 8 of this chapter at reasonable times and with written notice to property owners;

(16) Employ and pay compensation to such employees and agents, including attorneys, accountants, engineers, architects and financial advisors, as the board of directors shall deem necessary for the business of the authority;

(17) Authorize its employees to participate in the Tennessee consolidated retirement system pursuant to 8-35-243 and guarantee any outstanding liability incurred by such participation out of any funds or money of the authority available therefor;

(18) Use in the performance of its functions the officers, agents, employees, services, property, facilities, records, equipment, rights and powers of any county or counties, or municipalities with respect to which the authority shall have been created, with the consent of such county or counties, or municipalities and subject to such terms and conditions as may be agreed upon; and

(19) Exercise all powers expressly given to it and establish and make rules and regulations not inconsistent with the provisions of this part and part 8 of this chapter, deemed expedient for the management of the authority's affairs.

(b) Except as otherwise provided in this part, an authority, with the concurrence of the county governing body in any county for the territory outside of municipal boundaries, and the governing body of any municipality for the territory of the municipality, may exercise exclusive jurisdiction and exclusive right to control the collection of solid waste within its boundaries, and to control the disposition of solid waste collected within its boundaries.

(c) The power granted to an authority by this section shall not prevent a manufacturing firm which holds a permit from the state of Tennessee to dispose of or utilize its own solid wastes on the property of the manufacturing firm.

68-211-907. Exclusion or regulation of waste.

To the extent that a region's plan permits, an authority may restrict access to its solid waste disposal facilities by excluding waste originating with persons or entities outside the region. An authority may regulate the flow of all municipal solid waste within the county or counties constituting the authority. The authority may require the disposal of any transported waste at a specific solid waste disposal facility.

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68-211-908. Power of condemnation.

The authority is hereby authorized and empowered to condemn in its own name any land, rights in land, easements or rights-of-way situated within the territorial limits of the authority which, in the judgment of the board of directors, are necessary for carrying out the purposes for which the authority is created, and such property or interest in such property may be so acquired, whether or not the same is owned or held for public use by persons having the power of eminent domain, or otherwise held or used for public purposes; provided, that such prior public use will not be interfered with by the use to which such property will be put by the authority. Such power of condemnation may be exercised in the manner prescribed by title 29, chapter 16, or in the manner prescribed by any other applicable statute for the exercise of the power of eminent domain.

68-211-909. Counties and municipalities - Assignment or loan of employees and provision of facilities to authority.

For the purpose of aiding and cooperating with an authority, any county or municipality with respect to which such authority is created may assign or loan any of its employees, including its engineering staff and facilities, and may provide necessary office space, equipment or other facilities for the use of such authority.

68-211-910. Bonds - Issuance - Execution - Sale - Negotiability - Refunding bonds - Amount - Notice of issuance - Application of proceeds.

(a) The authority has the power to issue bonds from time to time in order to accomplish its purposes. Except as herein otherwise expressly provided, all bonds issued by the authority shall be payable solely out of the revenue and receipts derived from the authority's projects or of any thereof as may be designated in the proceedings of the board of directors under which the bonds shall be authorized to be issued, including debt obligations of the lessee or contracting party obtained from or in connection with the financing of a project. Such bonds may be issued in one (1) or more series, may be executed and delivered by the authority at any time and from time to time, may be in such form and denomination and of such terms and maturities, may be subject to redemption prior to maturity either with or without premium, may be in fully registered form or in bearer form registerable either as to principal or interest, or both, may bear such conversion privileges and be payable in such installments and at such time or times not exceeding forty (40) years from the date thereof, may be payable at such place or

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places whether within or without the state of Tennessee, may bear interest at such rate or rates payable at such time or times and at such place or places and evidenced in such manner, and may contain such provisions not inconsistent herewith, all as shall be provided in the proceedings of the board of directors whereunder the bonds shall be authorized to be issued.

(b) Bonds of the authority shall be executed in the name of the authority by such officers of the authority and in such manner as the board of directors may direct, and shall be sealed with the corporate seal of the authority. If so provided in the proceedings authorizing the bonds, the facsimile signature of any of the officers of the authority may appear on such bonds and a facsimile of the corporate seal of the authority may appear on the bonds in lieu of the manual signature of such officer and the manual impress of such seal; provided, that at least one (1) of the signatures appearing on such bonds shall be a manual signature. Interest coupons attached to such bonds shall be executed with the facsimile signatures of the officers who shall execute the bonds, who shall adopt as and for their own signatures their respective facsimile signatures appearing on such coupons. Bonds issued under this chapter, and the coupons appurtenant thereto, bearing the signature of any officer in office on the date of signing thereof shall be valid and binding obligations, notwithstanding that before the delivery thereof such person shall have ceased to be an officer of the authority.

(c) Any bonds of the authority may be sold at public or private sale for such price and in such manner and from time to time as may be determined by the board of directors of the authority to be most advantageous, and the authority may pay all expenses, premiums and commissions which its board of directors may deem necessary or advantageous in connection with the issuance thereof.

(d) All bonds of the authority and the interest coupons applicable thereto are hereby made and shall be construed to be negotiable instruments.

(e) Interim certificates or notes or other temporary obligations issued by the authority pending the issuance of its revenue bonds shall be payable out of revenues and receipts in like manner as such revenue bonds, and shall be retired from the proceeds of such bonds upon the issuance thereof, and shall be in such form and contain such terms, conditions and provisions consistent with the provisions of this part and part 8 of this chapter as the board of directors may determine.

(f) (1) Any bonds or notes of the authority at any time outstanding may at any time and from time to time be refunded by the authority by the issuance of its refunding bonds in such amount as the board of directors may deem necessary, but not exceeding the sum of the following:

(A) The principal amount of the obligations being refinanced;

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- (B) Applicable redemption premiums thereon;
- (C) (i) Unpaid interest on such obligations to the date of delivery or exchange of the refunding bonds;
- (ii) In the event the proceeds from the sale of the refunding bonds are to be deposited in trust as hereinafter provided, interest is to accrue on such obligations from the date of delivery to the first or any subsequent available redemption date or dates selected, in its discretion, by the board of directors, or to the date or dates of maturity, whichever shall be determined by the board of directors to be most advantageous or necessary to the authority;
- (D) A reasonable reserve for the payment of principal of and interest on such bonds and/or a renewal and replacement reserve;
- (E) If the project to be constructed from the proceeds of the obligations being refinanced has not been completed, an amount sufficient to meet the interest charges on the refunding bonds during the construction of such project, and for two (2) years after the estimated date of completion (but only to the extent that interest charges have not been capitalized from the proceeds of the obligations being refinanced); and
- (F) Expenses of the authority, including bond discount, deemed by the board of directors to be necessary for the issuance of the refunding bonds.
- (2) A determination by the board of directors that any refinancing is advantageous or necessary to the authority, or that any of the amounts provided in the preceding sentence should be included in such refinancing, or that any of the obligations to be refinanced should be called for redemption on the first or any subsequent available redemption date or permitted to remain outstanding until their respective dates of maturity, shall be conclusive; provided, that prior to the adoption by the board of directors of the resolution authorizing the issuance of refunding bonds under this section, the plan for refunding shall be submitted to the state director of local finance for review, and the state director may report thereon to the board of directors within fifteen (15) days from the date the plan is received by the state director, and the state director shall immediately acknowledge receipt in writing of the proposed refunding plan. After receiving the report of the state director or after the expiration of fifteen (15) days from the date the refunding plan is received by the state director, whichever date is earlier, the board of directors may take such action with reference to such proposed refunding plan as it deems advisable.
- (g) Any such refunding may be effected whether the obligations to be refunded shall have then matured or shall thereafter mature, either by sale of the refunding bonds and the application of the proceeds thereof to the payment of the obligations to be refunded thereby, or by the exchange of the refunding bonds for the obligations to be refunded thereby with

the consent of the holders of the obligations so to be refunded, and regardless of whether or not the obligations to be refunded were issued in connection with the same projects or separate projects, and regardless of whether or not the obligations proposed to be refunded shall be payable on the same date or different dates or shall be due serially or otherwise.

(h) Unless the obligations to be refunded are to be retired at the time of delivery of the refunding bonds, the board of directors shall, prior to the issuance of the refunding bonds, cause notice of its intention to issue the refunding bonds to be given to the holders of the outstanding obligations by publication of an appropriate notice one (1) time each in a newspaper having general circulation in a municipality with respect to which the corporation was organized and in a financial newspaper published in New York, New York, and having national circulation. Such notice shall identify the obligations proposed to be refunded and set forth the estimated date of delivery of the refunding bonds. As soon as practicable after the delivery of the refunding bonds, and whether or not any of the obligations to be refunded are to be called for redemption, the board of directors shall cause notice of the issuance of the refunding bonds to be given in the manner provided in this subsection. If any of the obligations to be refunded are to be called for redemption, the board of directors shall cause notice of redemption to be given in the manner required by the resolution or ordinance authorizing such outstanding obligations.

(i) The principal proceeds from the sale of any refunding bonds shall be applied, only as follows, to either:

(1) The immediate payment and retirement of the obligations being refunded; or

(2) To the extent not required for the immediate payment of the obligations being refunded, then such proceeds shall be deposited in trust and together with any investment income thereon to provide for the payment and retirement of the obligations being refunded, and to pay any expenses incurred in connection with such refunding, but provision may be made for the pledging and application of any surplus for any purposes of the authority including, without limitation, provision for the pledging of any such surplus to the payment of the principal of and interest on any issue or series of refunding bonds or other obligations of the authority. Money in any such trust fund may be invested in direct obligations of, or obligations the principal of and interest on which are guaranteed by, the United States government, or obligations of any agency or instrumentality of the United States government, or in certificates of deposit issued by a bank or trust company located in the state of Tennessee, if such certificates shall be secured by a pledge of any of the obligations having an aggregate market value, exclusive of accrued interest, equal at least to the principal amount of the certificates so secured. Nothing herein

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shall be construed as a limitation on the duration of any deposit in trust for the retirement of obligations being refunded but which shall not have matured and which shall not be presently redeemable or, if presently redeemable, shall not have been called for redemption.

68-211-911. Principal of and interest on bonds - Security - Guarantees.

(a) The principal of and interest on any bonds issued by the authority shall be secured by a pledge of such revenues and receipts out of which the same may be made payable. The proceedings under which the bonds are authorized to be issued may contain any agreements and provisions respecting the maintenance of the projects or other facilities covered thereby, the fixing and collection of rents, fees or payments with respect to any projects, facilities, or systems or portions thereof covered by such proceedings, the creation and maintenance of special funds from such revenues and from the proceeds of such bonds, and the rights and remedies available in the event of default, all as the board of directors shall deem advisable and not in conflict with the provisions of this part and part 8 of this chapter. To the extent provided in the proceedings authorizing any bonds of the authority, each pledge and agreement made for the benefit or security of any of the bonds of the authority shall continue effective until the principal of and interest on the bonds for the benefit of which the same were made shall have been fully paid or adequate provision for the payment thereof shall have been made by the authority. In the event of default in such payment or in any agreements of the authority made as a part of the proceedings under which the bonds were issued, such payment or agreement may be enforced by suit, mandamus, or the appointment of a receiver in equity, or any one (1) or more of such remedies, all as provided in the proceedings under which the bonds are issued.

(b) Any county or municipality that participates in the creation or organization of an authority may guarantee or otherwise secure the payment of bonds, notes or similar obligations of the authority by resolution of the county governing body or by municipal ordinance. Any county or municipality seeking to guarantee or secure the payment of a bond obligation of an authority may pledge any discretionary revenues and/or may pledge the full taxing powers of the county or municipality. Prior to any meeting of a county or municipal governing body considering action to guarantee or secure the payment of any bond, note or similar obligation of an authority, reasonable public notice shall be published describing the matter to be considered and containing an estimate of the dollar amount of any contingent liability that may be authorized. Any resolution or ordinance of a county or municipality approving of

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a guarantee or otherwise providing security for the payment of an authority's bonds, notes or similar obligations shall specify the officer or officers of the county or municipality authorized to execute documents necessary to implement the governing body's action.

68-211-912. Counties and municipalities - Liability.

No county or municipality shall be liable for the payment of the principal or interest on any bonds, notes or other instruments evidencing indebtedness of the authority except as provided in this part. Neither shall any county or municipality be liable for the performance of any pledge, mortgage, obligation or agreement of any kind whatsoever which may be undertaken by the authority except as provided in this part.

68-211-913. Revenues and income of authority - Directors and employees.

No part of the revenues or income of the authority shall inure to the benefit of any director or employee of the authority except as expressly authorized by this part.

68-211-914. Authority as public instrumentality - Exemption from taxation - Bonds deemed to be securities.

(a) The authority is hereby declared to be performing a public function in behalf of each county or municipality with respect to which it is organized and to be a public instrumentality of such county, counties, municipality or municipalities. Accordingly, the authority and all properties at any time owned by it and the income therefrom and all bonds issued by it and the income therefrom shall be exempt from all taxation in the state of Tennessee.

(b) Also, for purposes of the Tennessee Securities Act of 1980, compiled in title 48, chapter 2, part 1, bonds issued by the authority shall be deemed to be securities issued by a public instrumentality or a political subdivision of the state of Tennessee.

68-211-915. Annual audit - Cost - Copies of audit available to public.

Except as otherwise approved by the comptroller of the treasury, any authority created pursuant to this chapter has the power and shall cause to be made an annual audit of the accounts and records of the authority. The audit shall include all funds of the authority, whether held by the authority or pursuant to trust indentures. The comptroller shall be responsible for ensuring that the audits are prepared in accordance with

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generally accepted governmental auditing standards and determining if the audits meet minimum audit standards which shall be prescribed by the comptroller. No audit may be accepted as meeting the requirements of this section until such audit has been approved by the comptroller. The audits may be prepared by certified public accountants, public accountants or by the division of state or county audit. In the event the authority shall fail or refuse to have the audit prepared, then the comptroller may appoint a certified public accountant or public accountant or direct the division of state or county audit to prepare the audit. The cost of such audit shall be paid by the authority. All such audits shall be completed as soon as practicable after the end of the authority's fiscal year. One (1) copy of the audit shall be furnished to each member of the board of directors, the chief executive officer(s) of the county or counties with respect to which the authority has organized and the comptroller. Copies of each audit shall also be made available to the public.

68-211-916. Contracts with governmental entities authorized - Duration - Payments to authority - Funding.

(a) The state of Tennessee or any county or municipality within the solid waste region is hereby authorized, whenever the same shall be found desirable by its governing body, to enter into contracts, agreements or other arrangements with the authority regarding any project, facility or service of the authority, including, without limitation, the collection, transfer, storage, transportation, processing or disposal of solid waste or the purchase, sale, lease or other disposition of energy, energy producing materials and other materials, commodities or properties of the authority. Any such contract or agreement may extend for any period not exceeding forty (40) years from the date thereof.

(b) Any payments to be made to the authority pursuant to an agreement may be payable from general funds, to the extent permitted by law, or from such limited source as may be agreed upon between the authority and such entity, and in the case of payments to be made from general funds, the governing body of any municipality having the taxing power may provide for the levy and collection of a direct, annual tax sufficient to make such payments to the authority when the same become due. Such tax shall be assessed, levied, collected and paid in like manner as other taxes of such municipality and shall be in addition to all other taxes now or hereafter authorized to be levied by such municipality. Such tax shall not be included within any statutory or other limitation as to rate or amount for such municipality, but shall be excluded therefrom and be in addition thereto and in excess thereof.

(c) The governing body of any municipality not having the

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taxing power shall, upon entering into an agreement with the authority, make adequate provision for the timely payment of all amounts to be paid to the authority.

(d) No payments shall be construed to be an indebtedness of a municipality within the meaning of any constitutional or statutory provision.

68-211-917. Powers of authorities cumulative - Powers of governmental entities.

Neither this part nor anything herein contained shall be construed as a restriction or a limitation upon any powers which the authority might otherwise have under any laws of this state, but shall be construed as cumulative of and supplemental to any such powers. No proceeding notice or approval shall be required with respect to the issuance of any bonds of the authority or any instrument as security therefor except as provided in this part, notwithstanding any law to the contrary; provided, that nothing herein shall be construed to deprive the state of Tennessee and its governmental subdivisions of their respective police powers over properties of the authority, or to impair any power of any official or agency of this state and its governmental subdivisions which may be otherwise provided by law.

68-211-918. Counties and municipalities - Powers - Violation of ordinances or resolutions - Penalty - Injunctive relief.

(a) Any county or municipality with respect to which the authority was organized has all necessary powers in order to further the purposes of this part, including, without limitation, the power to:

(1) Provide that any funds available to it for solid waste or resource recovery purposes shall be paid directly to the authority; and

(2) Sell, lease, dedicate, donate or otherwise convey to the authority any of its interest in any existing solid waste disposal or resource recovery facility or other related property, or grant easements, licenses or other rights or privileges therein to the authority.

(b) The governing body of each county or municipality participating in the organization of the authority may appropriate general funds or unappropriated moneys from any other fund, to pay expenses of the authority or provide for the operation of any of the projects, facilities and systems authorized by this part, and each such governing body may levy a tax, in addition to all other taxes, upon all taxable property within the respective county or municipality, sufficient to pay such appropriation to the authority. Any such tax on property shall be collected in the same manner as other property taxes of the county or municipality are collected and, similarly, all laws

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for the enforcement of county and municipal tax liens shall apply.

(c) Any person who willfully violates any of the ordinances or resolutions passed by any of the municipalities or any county or counties with respect to which the authority was organized or willfully fails, neglects or refuses to comply with such ordinances or resolutions commits a Class A misdemeanor. Each day of continued violation constitutes a separate offense.

(d) In addition to the penalties provided herein, the municipalities and any county or counties with respect to which the authority was organized may enforce any ordinances, resolutions or contracts issued or entered into to carry out the provisions of this section by instituting legal proceedings to enjoin the violation of the provisions of this section, in any court of competent jurisdiction, and such court may grant a temporary or permanent injunction restraining the violation of this section.

68-211-919. Acquisition of project sites - Method - Authorization.

Any county or municipality with respect to which the authority was organized may acquire a project site by gift, purchase, lease or condemnation, and may transfer any project site to the authority by sale, lease or gift. Such transfer may be authorized by a resolution of the governing body of such county or municipality without submission of the question to the voters, and without regard to the requirements, restrictions, limitations or other provisions contained in any other law.

68-211-920. Contracts with solid waste authorities - Municipal corporations and counties - With taxing power - Without taxing power.

(a) Whenever, and as often as, a municipal corporation or county having taxing power enters into a contract with a solid waste authority or other contracting party under the provisions of this part, the governing body of such municipal corporation or county shall provide by resolution for the levy and collection of a tax sufficient to pay when due the annual amount payable under such contract as and when it becomes due and payable, and to pay any expenses of maintaining and operating the project required to be paid by the municipal corporation or county under the terms of such contract or by instrument collateral thereto and, furthermore, to pledge such tax and the full faith and credit of the municipal corporation or county to such payments. Such tax shall be assessed, levied, collected and paid in like manner as other taxes of the municipal corporation or county. Such tax shall not be included within any statutory or other limitation of rate or amount for such municipal corporation or county, but

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shall be excluded therefrom and be in addition thereto and in excess thereof, notwithstanding and without regard to the prohibitions, restrictions or requirements of any other law, whether public or private. There shall be set aside from such tax levy into a special fund an amount sufficient for the payment of the annual amount due under any such contract, and the money in such fund shall be used exclusively for such purpose and shall not be used for any other purpose until such annual amount has been paid in full. The foregoing shall not be construed to limit the power of the authority or other contracting party to enter into contracts with a municipal corporation not having the power of taxation.

(b) The governing body of any municipal corporation not having the power of taxation and the state of Tennessee shall, upon entering into a lease, loan agreement or sales contract with a public building authority or other contracting party, make adequate provision for the payment of the annual amount payable under the lease, loan agreement or sales contract.

68-211-921. Execution of written instruments by authorities.

Except as otherwise provided in this chapter, all leases, contracts, deeds of conveyance, or instruments in writing executed by the authority shall be executed in the name of the authority by the chairperson and secretary of the authority, or ~~by such other officers as the board of directors~~, by resolution, may direct, and the seal of the authority shall be affixed thereto.

68-211-922. Joint exercise of power by authorities.

The powers herein conferred upon authorities created under this chapter may be exercised by two (2) or more such authorities acting jointly.

68-211-923. Cumulative powers of authorities - Police powers of governmental entities - Projects.

(a) Neither this part nor anything herein contained shall be construed as a restriction or limitation upon any powers which an authority, as a public corporation, might otherwise have under any laws of this state, but shall be construed as cumulative of any such powers.

(b) No proceedings, notice or approval shall be required for the organization of the authority or the issuance of any bonds or any instrument as security therefor, except as herein provided, notwithstanding any other law to the contrary; provided, that nothing herein shall be construed to deprive the state and its governmental subdivisions of their respective police powers over properties of the authority, or to impair any power thereover of

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any official or agency of the state and its governmental subdivisions which may be otherwise provided by law.

(c) Projects may be acquired, purchased, constructed, reconstructed, improved, bettered and extended and bonds may be issued under this chapter for such purposes, notwithstanding that any other general, special or local law may provide for the acquisition, purchase, construction, reconstruction, improvement, betterment and extension of a like project, or the issuance of bonds for like purposes, and without regard to the requirements, restrictions, limitations or other provisions contained in any other general, special or local law.

68-211-924. Dissolution of authority - Procedure - Allocation of assets.

Any resolution of dissolution of the authority shall be approved by all county and municipal governing bodies participating in the organization of the authority. A resolution to dissolve the authority shall contain adequate provisions to divide the assets and liabilities of the authority among the participating county and municipal governments in an equitable manner if the authority has assets in excess of liabilities. In the event that the authority has liabilities in excess of assets, the authority may be dissolved only after it has ceased to substantially perform the functions for which it was created due to insolvency. In such cases of insolvency of the authority, the assets of the authority shall be allocated among the creditors of the authority in an equitable manner by agreement of the creditors with the board of directors of the authority, or if such agreement cannot be reached within ninety (90) days of the passage of the resolution to dissolve the authority and approval of such a resolution by all participating county and municipal governing bodies, then the board of directors shall petition the chancery court for an equitable allocation of assets. The chancery court shall hear the cause and shall enter a decree for the allocation of the assets of the authority. After the final disposition of the assets of the authority, the board of directors and the authority shall cease to exist.

68-211-925. Liberal construction.

The provisions of this part are remedial in nature and shall be liberally construed to effect its purpose of providing for a systematic and efficient means of solid waste disposal and encouraging the best utilization and conservation of energy and natural resources.

68-211-1001. Short title.

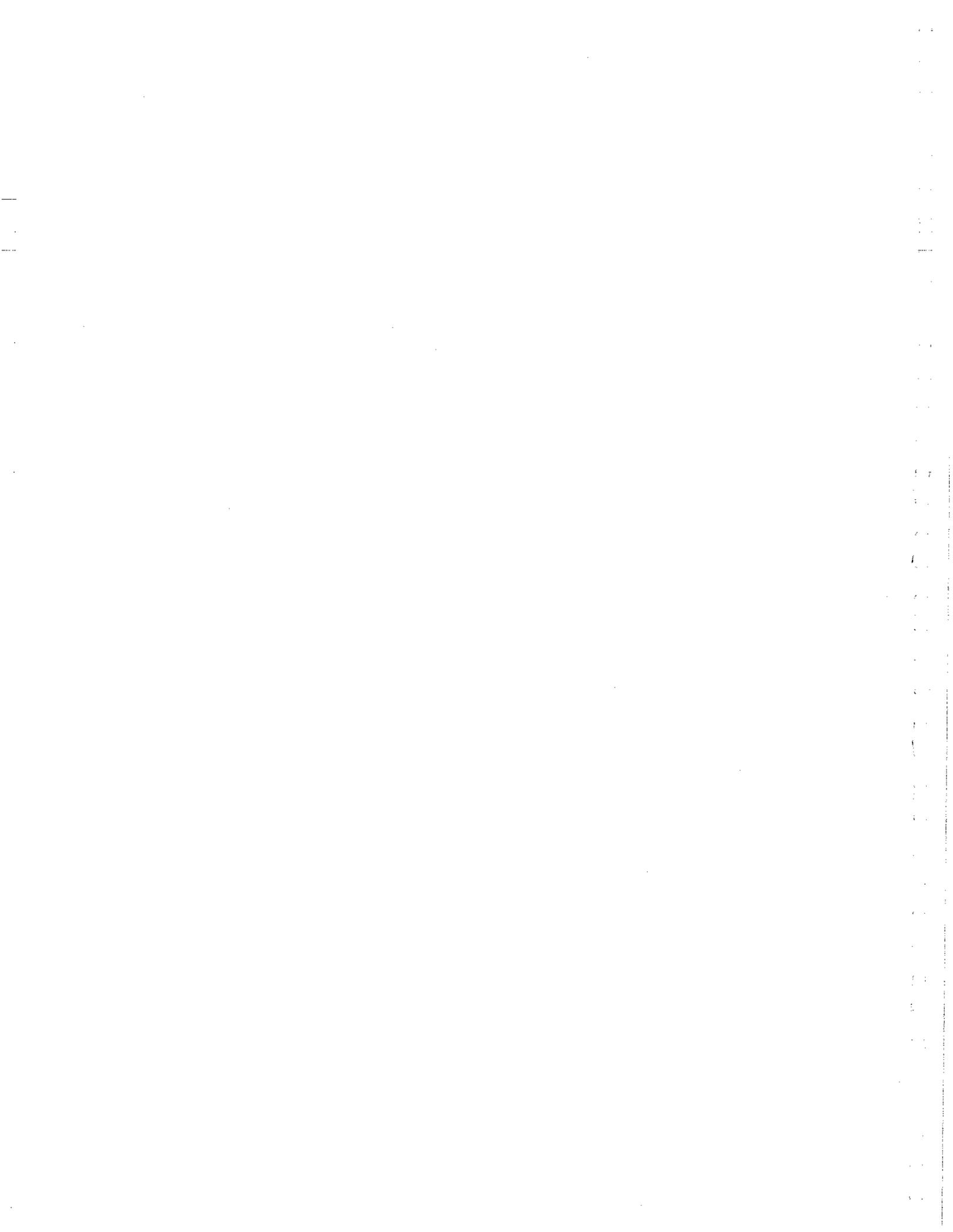
This part shall be known and may be cited as the "Used Oil

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Chapter 13 Flow Control and Permit Application Review

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Chapter 13 Flow Control and Permit Application Review

General

The following is from the Solid Waste Management Act of 1991:

"A region or solid waste authority may not impair the obligations of contracts entered into before the date of approval of the region's plan in violation of Article I, Section 20, of the Constitution of the State of Tennessee.

"A region or solid waste authority may not restrict the movement of recovered materials into, out of, or within the region."

Out of Region Ban

Out of region bans are permitted by the Solid Waste Management Act of 1991 in order to permit a region to carefully shepherd the capacity of its solid waste management facilities. There may be a legal question as to the validity of an out of region ban applied to a private facility. The following is from the Solid Waste Management Act of 1991:

The region or authority may restrict access to any landfills and incinerators which dispose of municipal solid waste by excluding waste originating with persons or entities outside the region in order to effectuate the plan. If a facility within a region has accepted waste from a specific source outside the region prior to July 1, 1991, the region may not prohibit that facility from continuing to accept waste from that source, unless the facility's acceptance of that waste significantly impairs the region's ability to effectuate its plan.

At this time, the Shiloh Solid Waste Planning Region elects not to impose an out of region ban on solid waste that originates from outside the region. Each county and municipality may make its own determination regarding facilities it owns or jointly owns. However, the region reserves the right to impose an out of region ban in the future.

Intra-region Flow Control

The Solid Waste Management Act of 1991 permits a region to exercise intra-region flow control in order to address public health and safety, and transportation management concerns in a coordinated manner, and to permit regions to guarantee a flow of waste as a revenue stream for financing bonds for municipal solid waste facilities. Obviously, this is a significant issue if the region constructs regional facilities such as landfills, incinerators, balers, or other facilities that require large capital outlays. It is also an advantage if private bids are accepted

for disposal, a better price can be obtained if the counties offer their commodity (solid waste) as a lump offering.

The following is from the Solid Waste Management Act of 1991:

(b)(1)(A) If the director of the state planning office approves the plan, the region or solid waste authority, by resolution and subsequent adoption of ordinances by counties and municipalities in the region, may also regulate the flow of collected municipal solid waste generated within the region. Prior to the adoption of any resolution declaring the necessity of requiring mandatory flow of municipal solid waste, the region or authority, following one or more public hearings, shall demonstrate in writing to the Director of the State planning office that it has considered the utilization of any municipal solid waste management facility in existence within the region of the effective date of this act which meets the proposed or final federal Resource Conservation and Recovery Act (RCRA) Subtitle D regulations.

At this time, the Shiloh Solid Waste Planning Region elects not to impose intra-region flow control on solid waste from private industries or private commercial businesses or municipal solid waste. The region reserves the right to modify this position in the future.

If in the future, the region or a county or a municipality chooses to fund, construct, operate or impose a host fee on a solid waste facility, the region, county, or municipality may impose intra-region flow on the public waste generated within its jurisdiction if it so chooses.

Plans Review for New Solid Waste Facilities

The Solid Waste Management Act of 1991 *requires* a region with an approved plan, or an authority formed by the region, to review plans for a new solid waste disposal facility or incinerator to determine whether the proposed facility is consistent with the regional plan.

The following is taken from the Solid Waste Management Act of 1991:

"After the plan is approved, the region must approve any application for a permit for a solid waste disposal facility or incinerator within the region as consistent with the region's disposal needs before any permit is issued by the commissioner pursuant to Tennessee Code Annotated, Title 68, Chapter 31.

"An applicant for a permit for construction or expansion of a solid waste disposal facility or incinerator shall submit a copy of the application to the region at or before the time the application is submitted to the commissioner. The region shall review the application for compliance with the provisions of the section, and shall conduct a public hearing after public notice has been given in accordance with Tennessee Code Annotated, title 8, chapter 44, prior to making the determination provided for in this subdivision.

The hearing shall afford all interested persons an opportunity to submit written and oral comments, and the proceeding shall be recorded and transcribed. The region shall render a decision on the application within ninety (90) days after receipt of a complete application. The region shall immediately notify the commissioner of its acceptance or rejection of an application.

"(B) The region may reject an application for a new solid waste disposal facility or incinerator or expansion of an existing solid waste disposal facility or incinerator within the region only upon determining that the application is inconsistent with the solid waste management plan adopted by the county or region and approved by the state planning office and the region shall document in writing the specific grounds on which the application is inconsistent with such plan.

"(C) Where a region rejects an application, the commissioner shall not issue the permit unless the commissioner finds that the decision of the region is arbitrary and capricious and unsupported in the record developed before the region.

"(D) Appeal of final actions of the region, including any determination under subsection (b)(2)(B) of this section, shall be taken by an aggrieved person within thirty (30) days to the Davidson County Chancery Court. The court shall exercise the same review as it would in a case arising under Tennessee Code Annotated, Title 4, Chapter 5. For the purposes of this section, an 'aggrieved person' shall be limited to persons applying for permits, persons who own property or live within a three (3) mile radius of the facility or site that is proposed for permitting, or cities and counties in which the proposed facility is located.

"If the region has formed a solid waste authority pursuant to this act, then the authority shall approve any such permit applications as provided for in this section instead of the region.

"(C) Appeal of final actions of the region or authority, including any determinations under subdivision (b)(1), shall be taken by an aggrieved person within thirty (30) days to any chancery court in the region or authority which took such final action."

An applicant for a permit for construction or expansion of a solid waste disposal facility or incinerator shall submit a complete copy of the Part I and Part II application to the chairman of the region (or subsequent authority) at the time the application is submitted to the commissioner. The chairman shall call a meeting of the region members within 30 days of receipt of the copy of the application and set a date for a public hearing in each county of the region. The public hearing is to be held within 60 days after receipt of the copy of the

application (either Part I or Part II). The region shall review and determine if the facility is consistent with the region's solid waste plan within 90 days after receipt of a complete Part II application. The region will immediately notify the commissioner of its acceptance or rejection of the application. If the application is rejected, the region will document in writing to the commission the specific grounds on which the application is inconsistent with the solid waste plan.

In addition, the application must be reviewed by the County legislative body of the host county. Host county approval or rejection must take place within 120 days after receipt by the region of a complete Part II. Appeal of final actions of the host county shall be as prescribed in the same manner as the region's final actions.

APPENDIX A

LEGAL DOCUMENTATION AND ORGANIZATION OF THE REGION

APPENDIX A

PART I

To demonstrate that the Shiloh Solid Waste Planning Region was established and is operating in accordance with T.C.A. Section 68-31-813, the following exhibits are provided:

- Exhibit 1a. - Certified copy of the Resolution by the Chester County Commission establishing the Region.
- Exhibit 1b. - Certified copy of the Resolution by the Hardin County Commission establishing the Region.
- Exhibit 1c. - Certified copy of the Resolution by McNairy County Commission establishing the Region.
- Exhibit 1d. - Certified copy of the Resolution by Wayne County Commission establishing the Region.
- Exhibit 2 - A list of the Regional Solid Waste Planning Committee members, including the current officers, terms in office and jurisdiction of each representative.
- Exhibits 3(a-o) - A copy of the resolutions/appointment letters for each Regional Solid Waste Planning Committee member and their terms of office..

7017

RESOLUTION FOR TEN YEAR MUNICIPAL SOLID WASTE REGIONAL PLAN

WHEREAS, the Chester County Commission meeting in regular session on April 11, 1994, and

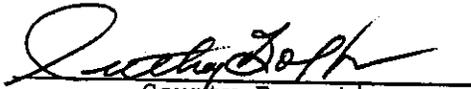
WHEREAS, Chester County does have a need to join with other counties to form a Solid Waste Plan, as it is more feasible to have more than one county to make this giant step, and

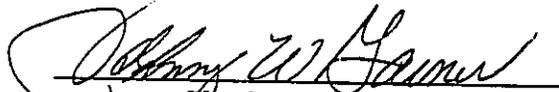
WHEREAS, it has been agreed that Chester County will go in with Hardin, Wayne and McNairy to form a Ten Year Municipal Solid Waste Regional Plan, and

WHEREAS, The Chester County Commission realizes the need for planning in the solid waste area and deem it necessary to do so for the welfare of the people of Chester County, and

WHEREAS, the Chester County Commission meeting in regular session on April 11, 1994 did approve this plan in its entirety.

Duly passed this the 11th day of April, 1994.


County Executive


Clerk

Motion was made by David Morrison, seconded by Max Brewer to purchase the land in the third district for a convenience center.

Roll Call Vote
12 Yes
4 No
2 Absent
0 Vacant

Motion Carried.

Motion was made by Wade Cox, seconded by David Morrison to consider a resolution for the solid waste plan. (See the book)

Roll Call Vote
16 Yes
0 No
2 Absent
0 Vacant

Motion Carried.

Motion was made by Max Brewer, seconded by David Guinn to consider a resolution on the 911 agreement.

Roll Call Vote
16 Yes
0 No
2 Absent
0 Vacant

Motion Carried.

Motion was made by Larry Blackstock, seconded by J.D. Jordan to consider a resolution on a 5% increase on retired county employees.

Roll Call Vote
11 Yes
5 No
2 Absent
0 Vacant

Motion Carried.

Motion was made by David Morrison, seconded by Max Massengill to transfer an automobile from the county to West Tennessee Community Services.

Roll Call Vote
16 Yes
0 No
2 Absent
0 Vacant

Motion Carried.

Motion was made by Royce Davis, seconded by Larry Blackstock to change the name of Kelley Road and Stewart Road in the Sweet Lips Community to Sweet Lips Road.

Roll Call Vote
16 Yes
0 No
2 Absent
0 vacant

Motion Carried.

Motion was made by Royce Davis, seconded by Larry Woody to refund a tax to Volunteer Cablevision for 1991 in the amount of \$632.69 and in 1992 \$1039.85 for a total of \$1672.54.

Roll Call Vote
16 Yes
0 No
2 Absent
0 Vacant

Motion Carried.

R E S O L U T I O N

WHEREAS, at the November 1992 meeting of the County Commission for Hardin County, Tennessee, a Resolution was adopted creating a five county Municipal Solid Waste Planning Region for Hardin, McNairy, Decatur, Chester and Wayne Counties; and

WHEREAS, problems have developed concerning said planning region and certain counties have withdrawn or failed to adopt a similar Resolution, and the Resolution heretofore adopted should be amended to reflect that there will be a four county Municipal Solid Waste Planning Region involving McNairy, Chester, Wayne and Hardin Counties; and

WHEREAS, it is the position of Hardin County, Tennessee, that if all of said counties agree, that Hardin County can have five (5) members on the Board of the Municipal Solid Waste Region, or one (1) more than any other county, then the Resolution should be amended to reflect that Hardin County is adopting said Municipal Solid Waste Planning Region as amended; and

WHEREAS, there is a time limitation and it is the intent of the County Commission that this Resolution be effective if the remaining counties of McNairy, Chester and Wayne, agree and adopt a Resolution authorizing the creation of the four county Municipal Solid Waste Planning Region by their April 1993 sessions;

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners for Hardin County, Tennessee, that the Resolution creating the Hardin, McNairy, Decatur, Chester, Wayne County Municipal Solid Waste Planning Region be amended by deleting therefrom Decatur County, and that said Resolution be further amended to show that there shall be five (5) members of the Board from Hardin County, four (4) members from McNairy County, and three (3) members each from Chester and

Wayne Counties.

IT IS FURTHER RESOLVED that this Amendment to said Resolution shall become effective immediately upon McNairy, Chester and Wayne Counties amending their Resolution to coincide with the Resolution of Hardin County, Tennessee, and the same shall be effective only if the legislative bodies of said counties enacts such Resolution by their April 1993 sessions.

It was thereupon moved by Commisisoner J. B. Stricklin and seconded by Commissioner Perry W. Hamilton that said resolution be adopted. Upon roll call being called the following voted:

AYE: Comm. James H. Clarke	Comm. Johnny W. Smith
Comm. Huey Alexander	Comm. Hugh Gresham
Comm. Charles Howard	Comm. J. B. Stricklin
Comm. Lowell Byrd	Comm. David H. Davis
Comm. Gordon Johnson	Comm. Bill Winborn
Comm. Jerry Ganus	Comm. H. L. Boyd
Comm. Debra Garrison	Comm. Emery White
Comm. L. D. Nixon	Comm. Perry W. Hamilton
Comm. Larry Franks	Comm. Ray Phillips

NAY: None

(Other business)

Upon motion duly seconded and voted, the County Board of Commissioners meeting adjourned.

Kerr Stricklin
County Chairman

Countersigned:

Connie S. Stephens
County Clerk

RESOLUTION NO. 92-12-7
A RESOLUTION
CREATING McNAIRY, CHESTER, HARDIN, AND WAYNE COUNTIES
MUNICIPAL SOLID WASTE
PLANNING REGION

WHEREAS, the adoption of the Subtitle D landfill regulations by the United States Environmental Protection Agency and companion regulations adopted by the Tennessee Solid Waste Control Board will impact on both the cost and method of disposal of municipal solid waste; and

WHEREAS, at the urging and support of a coalition of local government, environmental, commercial and industrial leaders, the 97th Tennessee General Assembly enacted T.C.A. § 68-211-801 et seq. titled "Solid Waste Management Act of 1991"; and

WHEREAS, with the view that better planning for solid waste will help control the additional cost that will be imposed by the new landfill regulations, help protect the environment, provide and improve solid waste management system, better utilize our natural resources, and promote the education of the citizens of Tennessee in the areas of solid waste management including the need for and desirability of reduction and minimization of solid waste, local governments in Tennessee supported and worked for the passage of this Act; and

WHEREAS, one of the stated public policies of this Act is to institute and maintain a comprehensive, integrated, statewide program for solid waste management; and

WHEREAS, as per T.C.A. § 68-211-881, the nine development districts in the State of Tennessee have completed a district needs assessment which are inventories of the solid waste systems in Tennessee; and

WHEREAS, McNairy County's Board of County Commissioners has given consideration to the needs assessment prepared by the Southwest Tennessee Development District; and

WHEREAS, T.C.A. § 68-211-813, requires that counties in the State of Tennessee form municipal solid waste regions no later than December 12, 1992; and

WHEREAS, the Act's stated preference in the formation of multi-county regions with counties having the option of forming single or multi-county municipal solid waste regions; and

WHEREAS, the State of Tennessee will provide grant monies of varying amounts to single county, two county, and three or more county municipal solid waste regions to assist these regions in developing their municipal solid waste regions plans; and

WHEREAS, the primary and prevailing purpose of the municipal solid waste regions are the preparation of municipal solid waste regions plans which among other requirements must identify how each region will reduce its solid waste disposal per capita by twenty-five percent (25%) by December 31, 1995, and a planned capacity assurance of its disposal needs for a ten (10) year period; and

WHEREAS, the development of a municipal solid waste regional plan that results in the most cost effective and efficient management of municipal solid waste is in the best interest of the citizens of McNairy County.

NOW, THEREFORE BE IT RESOLVED, by the Board of County Commissioners of McNairy County, Tennessee, acting pursuant to T.C.A. § 68-211-801 et seq., that there is hereby established a Municipal Solid Waste Region for and by McNairy, Chester, Hardin, and Wayne Counties, Tennessee; and

BE IT FURTHER RESOLVED, that this Resolution by the Boards of County Commissioners of McNairy, Chester, Hardin, and Wayne Counties evidences and constitutes the agreement of McNairy, Chester, Hardin, and Wayne Counties in the joint formation of a multi-county municipal waste region; and

BE IT FURTHER RESOLVED, that pursuant to T.C.A. § 68-211-813(b)(1), a Municipal Solid Waste Region Board is hereby established to administer the activities of this Region; and

BE IT FURTHER RESOLVED, that this Municipal Solid Waste Region Board shall be composed of 13 members; and

BE IT FURTHER RESOLVED, that pursuant to T.C.A. § 68-211-813(b)(1), and as part of the participating counties' agreement, as evidenced and constituted by this Resolution, the Municipal Solid Waste Region Board shall be composed of the following number of members representing their respective County and the Cities or Towns within that County which collects or provides disposal services through its own initiatives or by contract:

McNairy County and the Cities or Towns of Adamsville and Selmer	4 members
Chester County and the City of Henderson	3 members
Hardin County and the City of Savannah	3 members
Wayne County and the Cities or Towns of Clifton, Collinwood and Waynesboro	3 members

BE IT FURTHER RESOLVED, that the Municipal Solid Waste Region Board members shall be appointed by the County Executive of the respective county the member shall represent and by the Mayor of the respective city or town the member shall represent and, that the member so appointed, shall be approved by the respective Board of County Commissioners and municipal governing bodies; and

BE IT FURTHER RESOLVED, that the members of the Board of the Municipal Solid Waste Region shall serve a six year term except that, as pursuant to T.C.A. § 68-211-813(b)(1) and as part of the participating counties agreement as evidenced by this Resolution, the following shall be the initial terms of office: one member representing Hardin County and the City of Savannah for a six (6) year term, one member representing Chester County and the City of Henderson for a six (6) year term, one member representing McNairy County and the Cities or Towns of Adamsville and Selmer for a six (6) year term, one member representing Wayne County and the Cities or Towns of Clifton, Collinwood and Waynesboro for a six (6) year term, one member representing McNairy County and the Cities or Towns of Adamsville and Selmer for a four (4) year term, one member representing Chester County and the City of Henderson for a four (4) year term, one member representing Hardin County and the City of Savannah for a four (4) year term, one member representing Wayne County and the Cities or Towns of Clifton, Collinwood and Waynesboro for a four (4) year term, two members representing McNairy County and the Cities or Towns of Adamsville and Selmer for a two (2) year term, one member representing Chester County and the City of Henderson for a two (2) year term, one member representing Hardin County and the City of Savannah for a two (2) year term, one member representing Wayne County and the Cities or Towns of Clifton, Collinwood and Waynesboro for a two (2) year term; and

BE IT FURTHER RESOLVED, that this Municipal Solid Waste Region Board shall have all powers and duties as granted it by T.C.A. § 68-211-813 et seq. and, as part of the participation counties agreement as evidenced by this Resolution, it shall have the additional rights and is empowered to utilize existing governmental personnel, services, facilities, and records of the counties which are a party to this agreement evidenced by this Resolution, and to employ or contract with persons, private consulting firms, and/or governmental, quasi-governmental, and public entities and agencies in the performance of its duty to cause a municipal solid waste region plan to be produced; and

BE IT FURTHER RESOLVED, that at the Municipal Solid Waste Region Board's initial organization meeting it shall select from its members a chair, vice-chair, and secretary and shall cause the establishment of a municipal solid waste advisory committee whose membership shall be chosen by the Board and whose duties are to assist and advise the Board; and

BE IT FURTHER RESOLVED, that the Municipal Solid Waste Region Board, in furtherance of its duty to produce a municipal solid waste region plan, is authorized to apply for and receive

funds from the State of Tennessee, the federal government, the counties and municipalities that are within the Region, and donations and grants from private corporations and foundations; and

(OPTIONAL PROVISION) BE IT FURTHER RESOLVED, that the Municipal Solid Waste Region Board, will strive to coalesce with other municipal solid waste regions, to maximize collection, recycling and disposal of solid waste; and

(OPTIONAL PROVISION) BE IT FURTHER RESOLVED, that the Municipal Solid Waste Region Board, will plan in conjunction with other regions formed in the Southwest Tennessee Development District and Counties contiguous to the boundaries of the Municipal Solid Waste Planning Region herein formed so as to encourage multi-county planning and make possible later mergers of smaller regions into larger regions if so desired; and

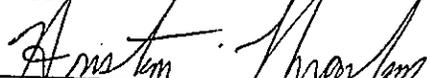
BE IT FURTHER RESOLVED, that upon the passage of this Resolution and at no later date than December 31, 1992, the County Clerk of McNairy shall transmit a copy of this Resolution to the Tennessee State Planning Office,

RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF McNAIRY COUNTY, TENNESSEE, this 7th day of Dec., 1992, the welfare of the citizens of McNairy County requiring it.

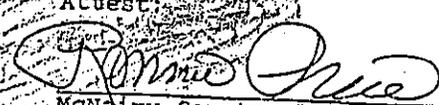
Sponsor:


County Commissioner

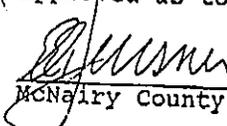
Approved:


McNairy County Executive

Attest:


McNairy County Clerk

Approved as to form:


McNairy County Attorney

STATE OF TENNESSEE-WAYNE COUNTY

I, Jimmy Dixon Clerk-
of Wayne County, Tennessee, do
hereby certify that the foregoing is a true copy
of the original Resolution # 93-SW0118
Establishing Regional Solid Waste Comm.

Now on file in my office. Witness my hand
and seal of office, this 21 day of May
1993

Jimmy Dixon
Clerk

RESOLUTION ESTABLISHING REGIONAL
SOLID WASTE COMMITTEE MEMBERS
FOR WAYNE COUNTY TO SERVE ON
REGIONAL BOARD AS CREATED IN
RESOLUTION 92-SW1130, DATED
NOVEMBER 30, 1992

-----RESOLUTION NO. 93-SW0118-----

WHEREAS, Wayne County's Board of County Commissioners has
given consideration to the needs assessment prepared by the South
Central Development District; and

WHEREAS, T.C.A. 68-211-813, requires that counties in the
State of Tennessee form municipal solid waste regions no later
than December 12, 1992; and

WHEREAS, Wayne County's Board of County Commissioners has
formed a Solid Waste Region combined of Wayne, Hardin, McNairy,
and Chester Counties by resolution 92-SW1130, dated November 30,
1992; and

WHEREAS, a section of said resolution stated that a Regional
Solid Waste Board would be formed consisting of 13 members with the
County of Wayne having 3 members representing said county and the
towns of Clifton, Collinwood, and Waynesboro.

NOW, THEREFORE, BE IT RESOLVED, that pursuant to T.C.A.
68-211-813(b)(1) the members of the Regional Solid Waste Board
to represent Wayne County and the towns of Clifton, Collinwood,
and Waynesboro will be:

1. Edward Earl Mathis-----6 year term
2. Harry G. Corn-----4 year term
3. George Wallace-----2 year term

BE IT FURTHER RESOLVED, that these members so appointed
by resolution of the governing board of Wayne County shall have
their terms begin on the date of adoption and shall serve their
allocated terms as so prescribed.

RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF WAYNE
COUNTY, TENNESSEE, this 18TH day of January, 1993, the welfare
of the citizens of Wayne County requiring it.

RESOLUTION DULY APPROVED AND ADOPTED THIS THE 18TH day
of January, 1993 by the Board of County Commissioners of Wayne
County meeting in REGULAR Session.

ATTEST: Jimmy Dixon
Jimmy Dixon, County Clerk

SPONSOR: Herbert Brewer
County Commissioner.

APPROVED: James Coy Anderson
James Coy Anderson
County Executive

(SEAL)

RESOLUTION NO. 93-SW0329

RESOLUTION TO AMEND 92-SW1130
ADOPTED NOVEMBER 30, 1992 TO
ESTABLISH FOUR-COUNTY SOLID
WASTE REGION

WHEREAS, at the November 30, 1992 meeting of the County Commission for Wayne County, Tennessee, a resolution was adopted creating a four-county Municipal Solid Waste Planning Region for Wayne, Hardin, Chester and McNairy Counties; and.

WHEREAS, an amendment is necessary to establish the proper board membership for the regional board by changing the number of members for Hardin County from three (3) members to five (5) members and amending the total membership of the regional board from thirteen (13) members to fifteen (15) members; and

WHEREAS, the official name of the Regional Solid Waste Planning Board will be the "SHILOH REGIONAL SOLID WASTE PLANNING BOARD" as voted on by the members of the board;

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners for Wayne County, Tennessee meeting in SPECIAL SESSION on this the 29th day of March, 1993 that the Regional Solid Waste Planning Board be amended as stated and that the official name of "Shiloh Regional Solid Waste Planning Board" be adopted.

SPONSOR: William E. Brown
COUNTY COMMISSIONER

APPROVED: James C. Anderson
WAYNE COUNTY EXECUTIVE

ATTEST: James H. [Signature]
COUNTY CLERK

VOTING AYE: 14

NAY: 0

PASS: 0

ABSENT: 0

(SEAL)

Shiloh Regional Solid Waste Planning Committee

Name	Address	County Affiliation
Anthony Bolton County Executive	PO Box 296 Henderson, Tn 38340	Chester
Wade Cox	420 Mill Street Henderson, Tn 38340	Chester
Eddie Patterson Mayor	PO Box 68 Henderson, Tn 38340	Chester
Jim Garey (Chairman) Vice Mayor	906 Poplar Street Savannah, Tn 38372	Hardin
J.B. Stricklin County Commissioner	Route 5 Savannah, Tn 38372	Hardin
James B. Smith	65 Birdie Lane Olive Hill, Tn 38475	Hardin
C.C. Thompson	Thompson Drive Crump, Tn 38327	Hardin
Bob Polk (Secretary) City Manager	1020 Main Street Savannah, Tn 38372	Hardin
Jimmy Whittington Mayor	144 North 2nd Street Semer, Tn 38375	McNairy
Dan Ward City Commissioner	PO Box 410 Adamsville, Tn 38310	McNairy
Maurice Hamm County Commissioner	3 Mollie Drive Selmer, Tn 38375	McNairy
Charles Ellis County Commissioner	Route 2 Box 912 Selmer, Tn 38375	McNairy
Ed Mathis (V. Chrmn)	Route 1 Box 335 Waynesboro, Tn 38485	Wayne
George Wallace	PO Box 73 Collinwood, Tn 38450	Wayne
Sonny Corn	PO Box 717 Waynesboro, Tn 38450	Wayne
Ex Officio		
Kim Stricklin County Executive	County Courthouse Savannah, Tn 38372	Hardin
Coy Anderson County Executive	PO Box 206 Waynesboro, Tn 38485	Wayne
Houston Thrasher County Executive	County Courthouse Selmer, Tn 38375	McNairy

MINUTES OF THE REGULAR MEETING
CITY COMMISSION-CITY HALL
November 23, 1992
6:30 p.m.

The meeting was called to order. Mayor Howell ask for a motion to accept the minutes as received by mail. Comm. Corn made the motion to accept the minutes, seconded by Comm. Byrd, voted unanimous.

WATER - NONE

SEWER - NONE

OFFICE - NONE

GAS - NONE

FIRE - NONE

POLICE - Vice-Mayor Price stated Mrs. Huckaba had called him and stated Mallory is dumping near the creek again. He ask who owned this property? Mgr. Riley stated Mallory owns it.

Comm. Burns ask if the City was interested in using a chipper, buying it or hiring one for use. This was discussed with no decision.

Chief Seitz stated he had recently attended a school at Doneison and they stated if there was no mutual aid agreement between the City & County it would not be advisable to go outside the City for any Law Enforcement business.

GARBAGE - Mgr. Riley stated he had sent out invitations to bid on the garbage contract to BFI, Waste Management, & Diversified, also it has been advertised in the paper.

Mayor Howell stated, according to MTAS, the City is suppose to appoint a member to the SolidWaste Regional Board. Comm. Corn to serve on this.

James Frank Bundrant met with the Commission and ask if the City was aware of the problem on the Hwy. at the hospital curve. Water drains are stopping up and causing a problem of water backing up and causing an overflow over James Franks gas tanks and that is causing water to get into his tanks and causing problems with his customers. He stated he would appreciate anything the City could do. Mgr. Riley to talk with State hwy. foreman Roy Davis.

The motion was made by Vice-Mayor Price to pass a resolution asking our Senator & Representative to represent the City in the Legislature for improvement of State Hwy. 64, seconded by Comm. Corn, voted unanimous.

Vice-Mayor Price stated the City Commission interviewed 8 people for City Manager last week. Steve Collie was selected from the interview by the Commission. The following proposal has been made to Mr. Collie's employment.

1. Starting salary \$27,000 per year with a \$1,000 increase each 6 months till the salary amount is \$30,000.
2. 2 weeks vacation first year of employment.
3. First year of employment family medical coverage will be provided by City. After 1 year employment City Mgr. will provide family coverage himself.
4. All other benefits same as other City employees.
5. Starting date of employment will be January 4, 1993.

Motion was made by Comm. Byrd to accept the employment of Steven Collie for City Mgr., with the proposal stated, seconded by Mayor Howell, voted unanimous.

Mgr. Riley ask the question where does this move him. Mayor Howell stated the commission would like to see him move to Director of Public Works and over special projects. Mgr. Riley stated he didn't know if he could handle 2 step downs or not. He was told he would answer directly to the City Mgr. and the Chain of Command to be set up after new City Mgr. takes over.

There being no further business the motion was made to adjourn.

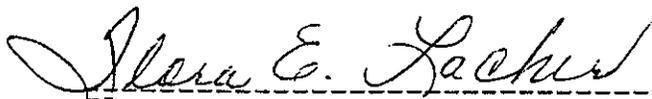
VISITORS PRESENT:

James Frank Bundrant

MEMBERS PRESENT:

Bruce Howell, Mayor
Michael Price, Vice-Mayor
Jim Byrd, Comm.
Sonny Corn, Comm.
Willie Burns, Comm.
Howard Riley, City Mgr.
Flora E. Lacher, City Recorder
Gene Seitz, Chief of Police

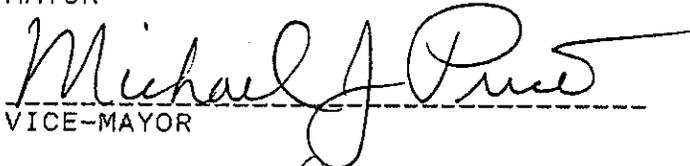
ATTEST:



Flora E. Lacher, City Recorder



MAYOR



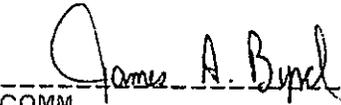
VICE-MAYOR



COMM.



COMM.



COMM.

01-04-92

The regular meeting was held on the above date with Commissioners Sandusky, Rich, Wallace and Mayor Dicus present. Commissioner Chambers was absent. Visitors were: Billie Jean Hollis, Betty Rich, Bobby Blanton, Ray Atchley, Jeff George, Sherry Gallien, Jerry Benedict, and Willie Scroggins.

Motion to approve minutes as read was made by Comm. Rich with a second by Comm. Wallace. All voted yes.

Bids were opened on the garbage contract and are listed as follows:

Waste Management, Inc.

Residential \$5.50 for twice weekly pick-up.

No Commercial Bid

ASCO Sanitation

Residential \$5.00 for twice weekly pick-up.

Commercial Bid attached.

Household & Commercial Garbage

Residential \$2.50 for twice weekly pick-up.

Commercial Bid attached.

Comm. Rich made a motion to accept the bid of Household & Commercial Garbage. Second by Comm. Sandusky. All voted yes.

Comm. Sandusky made a motion to let Mr. George clean and disinfect the water tanks for \$1,900. They requested that they fix the float on the tank in the park. Mr. George said he would if they could. Second by Comm. Rich. All voted yes.

Comm. Sandusky made a motion to appoint Officer Jerry Benedict as temporary Chief of Police, due to Chief Palmer's retirement. He stipulated that this appointment be for a 90-day period, with his salary to be set by City Mgr. Rod Thompson. Second by Comm. Rich. All voted yes.

Comm. Sandusky made a motion to appoint Comm. Wallace as a member of Wayne Co. Sanitation Board. Second by Comm. Rich, all voted yes.

Comm. Sandusky stated that he would like the policemen to watch Oak Street out by the City Park for speeding. Other locations mentioned were Indian Creek Road and Hwy. 13 North. Chief Benedict said he would check into it.

A request was made by Officer Willie Scroggins for the City to pay for Hep. B shots. The Commission said for him to work it out with Chief Benedict. Motion to adjourn. All agreed.

Willodean Hill, Recorder

James A. Dicus, Mayor

STANDING

MARCH
(2 to 6 yr. terms)

HARDIN COUNTY SOLID WASTE PLANNING COMMITTEE

<u>Name</u>		<u>Elected</u>	<u>Expires</u>
JAMES B. SMITH	(2yrs)	3-15-93	3-95
CHARLIE THOMPSON	(4yrs)	3-15-93	3-97
J.B. STRICKLIN	(4yrs)	3-15-93	3-97
BOB POLK - CITY MANAGER	(2yrs)	3-15-93	3-95
JIM GARY	(6yrs)	3-15-93	3-99

TCA 68-211-813

HARDIN COUNTY SOLID WASTE PLANNING REGION COMMITTEE

Mr. James B. Smith	(2 yrs)	65 Birdie Lane, Box 52 Olive Hill 38475	925-4736 (w)925-5525
Mr. Charlie Thompson	(4 yrs)	Thompson Dr., Crump 38327	632-4899
Mr. J.B. Stricklin	(4 Yrs)	Rt. 5, Box 115, Savannah 38372	925-4602
Mr. Bob Polk City Manager	(2 yrs)	1020 Main St., Savannah 38372	925-3300
Mr. Jim Gary	(6 yrs)	906 N. Popular, Savannah 38372	925-3196

Commissioner James H. Clarke moved approval of foregoing committee appointment, seconded by Commissioner Jerry Ganus and a voice vote was taken.

MOTION PASSED - VOICE VOTE AFFIRMATIVE

MINUTES OF HARDIN COUNTY BOARD OF COMMISSIONERS MEETING

REGULAR MARCH TERM 1993

March 15, 1993

- Minutes of Regular February 1993 Term ----- Approved
- Appointment -Three (3) Members to Hospital Board of
Commissioners-----
(Two (2) memers appointed - Mac Harmon - Wayne Baugus)
- Motion -No further action be taken until the April
term of court to permit time to research
the matter of membership of the board---- Passed
- Appointment -Hardin County Solid Waste Planning Region
Committee ----- Approved
(James B. Smith - Charlie Thompson - J. B.
Stricklin - Bob Polk-City Manager - Jim
Gary)
- Proposal -Nursing Home Contract(Hardin Home Lease)-
- Motion -Court authorize County Executive Kim
Stricklin to sign lease by and between
Hardin County, TN. and J. Park & Son --- Passed
- Resolution -Authorizing Issuance and providing the
details of not to exceed \$2,350.000
General Obligation Refunding Bonds,
Series 1993, of Hardin County, TN.
authorizing and directing the sale
thereof for public purposes, levying
and pledging taxes and making provision
for the payment thereof, and authorizing
and approving an escrow agreement for the
purpose of refunding certain prior obliga-
tions of the county ----- Adopted
- Proposal -Road Closing (B053) ----- No Action
- Proposal -Smoking in County Buildings ----- No Action
- Proposal -Adopt-A-Highway Program -----
- Motion -Agree a committee should be appointed with
a commissioner or a resrepresentative from
each district to serve on committee and
Comm. Bill Winborn serve as chairman ---- Passed
- Proposal -Elections in Hardin County ----- No Action
- Proposal -Hepatitis B Vaccine for Fire Department -
- Motion -Court approve an amount of \$25,000.00 from
Undesignated Fund Balance, F. Y. 1992-93
Budget, \$20,000 to go to Hardin County Fire
Department, \$5,000 to Hardin County Sheriff's
Department ----- Passed
- Proposal -Brown Shoe Property ----- No Action
- Report -School Budget ----- No Action
- Proposal -Fixed Rates for Solid Waste - Savannah
Industrial Development Corp. Committee
have meeting, report at April term ----- No Action
- Appointment -Constable - District 1 ----- Withdrawn
- Report -Committee Reports ----- No Action
- Election -Notaries Public ----- Approved

The Mayor and Board of Aldermen met in regular session December 8th, 1992 at 7:00 P.M. in Selmer City Hall. Present were: Mayor Jimmy Whittington, Aldermen Billy Brown, Betty Doss, Lee Henry, Jimmy Dickey, and Paul Simpson. Pastor Frank Whitman opened the meeting with prayer.

There were no deletions or corrections to the minutes.

Motion by Betty Doss to accept the Financial Statement. Motion 2nd by Paul Simpson. All 5 voted yes. Motion carried.

Tim Roach of State Local Planning explained the new zoning map and proposed new zoning ordinance which would include four (4) residential zones within Selmer.

Motion by Paul Simpson to pass on the 1st reading of the new zoning ordinance. Motion seconded by Billy Brown. All 5 voted yes. Motion carried.

Motion by Jimmy Dickey to authorize Chief Leonard to advertise for a part time Dispatcher as requested. Motion 2nd by Billy Brown. Motion carried.

Motion by Paul Simpson to instruct the City Attorney to send a letter to The Norwood Law Firm in reference to the Thurmond Sowell discrimination claim, and state in this letter that we do not feel that we are guilty in any form of discrimination. Motion 2nd by Billy Brown. All 5 voted yes. Motion carried.

Motion by Billy Brown that the city file a application for the construction of a Bridge Grant with the Department of Transportation which would be constructed over Crooked Creek on McNairy Central Road. (Participation would be jointly with the County upon receiving State funding as it was determined that half of the bridge is on city property and half would be on the County.) Motion 2nd by Paul Simpson. All 5 voted yes. Motion carried.

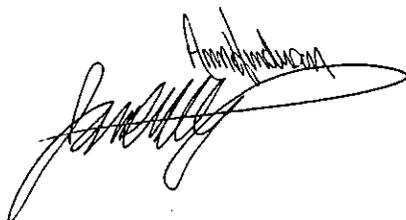
Motion by Paul Simpson to adopt a resolution to petition the General Assembly of the State of Tennessee to amend the Municipal Charter of the Town of Selmer, Tennessee. Motion 2nd by Betty Doss. All 5 voted yes. Motion carried.

Motion by Paul Simpson that the Mayor be appointed to the Regional Solid Waste Planning Board. Motion 2nd by Jimmy Dickey. All 5 voted yes. Motion carried.

Bids were taken for the fencing at the North Selmer Recreation Park. Motion by Jimmy Dickey to contract with AAA Fence Company, 35 Roberts Lane, Jackson, Tennessee 38301 for materials and labor for the fencing at the North Selmer Recreation Park for a total bid price of \$3,795.00. Motion 2nd by Betty Doss. All 5 voted yes. Motion carried.

Motion by Paul Simpson to hold a Public Hearing at 6:00 P.M. January 12, 1993 concerning the Cable T. V. Franchise. Motion 2nd by Jimmy Dickey. All 5 voted yes. Motion carried.

Meeting Adjourned.

A handwritten signature in black ink, appearing to read "Paul Simpson", is written over a large, horizontal, looping scribble.

City of Savannah

Mayor
JACK D. CHERRY, JR.
Vice Mayor
JAMES M. GAREY
Commissioners
NANCY DAVIS
JOHN E. ALEXANDER
LARRY A. CARROLL

1020 MAIN STREET • SAVANNAH, TENNESSEE 38372
PHONE (901) 925-3300

City Manager
ROBERT F. POLK
City Recorder
WILLIAM P. FOX, JR.
City Attorney
JAMES A. HOPPER

December 3, 1992

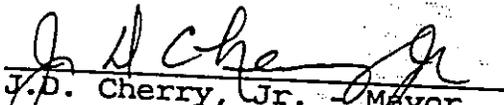
Mr. Kim Stricklin, County Executive
Hardin County, Tennessee
Court House, Main Street
Savannah, TN 38372

Dear Mr. Stricklin:

Tennessee Code Annotated, Section 68-211-813 requires that municipalities providing solid waste collection or disposal services designate a representative to the regional board to be established by Hardin County, Tennessee. We do provide this service and therefore are required to be represented on the regional board for the purpose of solid waste regional planning.

On December 3, 1992, our City Commission met and approved my appointment of James M. Garey as the representative of the City of Savannah, Tennessee. Copies of the minutes evidencing this approval are attached to this letter, as required by law.

Copies of this letter and attached minutes will be filed with the Honorable Bryant Millsaps, Secretary of State.


J.D. Cherry, Jr. - Mayor
City of Savannah, Tennessee

JDC/laf



SAVANNAH CITY COMMISSION
REGULAR MEETING
Thursday, December 3, 1992
7 o'clock P.M.

Regular meeting of the Savannah City Commission was called to Order by Mayor Jack Cherry on Thursday, December 3, 1992, at 7:00 P.M. at City Hall. Present were Commissioners Jim Garey, Johnny Alexander and Larry Carroll. Also present was City Manager Bob Polk, City Recorder Bill Fox, City Departmental supervisory personnel, Commission Secretary Martha Hieronymus, and Savannah Courier Representative Ron Schamming. Absent due to illness, Commissioner Nancy Davis. There was no public in attendance.

Mayor Cherry requested approval of the Minutes of the City Commission's Regular Meeting of November 4, 1992. Commissioner Garey moved that the Minutes be approved as submitted, seconded by Commissioner Carroll. All Ayes. Motion passed.

Mayor Cherry then asked for acceptance for the record of the Utility Board Regular Meeting of November 16, 1992, and the Planning Commission's Regular Meeting of November 24, 1992. Commissioner Carroll made a motion to accept all Minutes, seconded by Commissioner Garey. All ayes. Motion passed.

The Utility Board Minutes of November, 16, 1992, are as follows:

The monthly meeting of the Utility Board was held November 16, 1992 beginning at 6:00 P.M. at City Hall. Those in attendance were Boling, Warrington, Hayes, Turnbow, Director Morris and City Manager Bob Polk.

The minutes of the August 18, 1992 meeting were read and approved.

Director Morris opened the meeting with the Utility Board welcoming City Manager Bob Polk to Savannah and that we were looking forward to working with him.

Discussion followed concerning the following topics:

A. Isolated Gas Services

There was a report given by Director Morris about our gas services that are isolated. A survey has already been conducted on the total number of steel services that we have in our gas system. It was explained to the Board how those services became isolated. There were several questions asked by the Board concerning this. Director Morris explained the time frame and a schedule of necessary repair that will be needed to correct this situation in our gas system. This was an item that was cited as a violation by the Public Service Commission in its last inspection.

B. Highway 64 Water Tank

The Board was informed that a month or so earlier we had performed an inspection on the 64 water tank. The condition of the tank was discussed and possible renovation costs would need to be scheduled in the next fiscal year budget. Director Morris reported the interior of the tank would need attention within 2 or 3 years but, the exterior would need possible renovation next year.

C. Regulator Station on Hwy. 64

There was a brief discussion concerning the installation of an additional regulator station on old Hwy. 64 East that was needed because of an overloaded station that could not handle the needs of the system in that area when we regulated the area from a high pressure zone to a low pressure zone. This process has eliminated alot of replacement of individual regulators on customer meters as well as cutting the maintenance and repairs to a minimum in that area.

D. Computer Mapping - Survey Work

Director Morris gave a brief report on the needs of a joint venture between the Savannah Utility Department and other Utilities that operate in our area around the Hardin County area to possibly help to fund this project. Several of the other Utilities have been contacted and are very favorable of possibly helping to fund this project. It was explained the type of survey work that was necessary and what would be accomplished by this project. Director Morris gave a estimated total cost that would be involved to complete this project. This would be the final phase to accurately finish our computer mapping work.

E. Status of Ongoing Projects

A discussion was held about the water, sewer and gas projects that are currently underway or nearing completion.

F. Public Service Inspection Report

A report was given on the last inspection that we received on our natural gas system. The only violation that existed was the isolated gas services in which we are currently working on to eliminate. Director Morris stated that the other violation we had been cited for has been removed and cleared from our system. It was also noted by Director Morris that he commended employees for work that had been done to bring our natural gas system back into compliance.

G. Sewer Rehab. Sewer Dechlorination

It was noted by the Director that November 17, 1992 bids would be opened on the Sewer I/I project and the Dechlorination project at the sewer treatment plant. A discussion followed concerning these projects.

There being no further business, a motion to adjourn was made by Warrington and seconded by Hayes. All aye.

VM:rw
11/18/92

The Planning Commission Minutes of November 24, 1992, are as follows:

SAVANNAH MUNICIPAL/REGIONAL PLANNING COMMISSION

November 24, 1992

Present	Absent	Others
Chairman David Davis	Cora Gene Miller	Bob Polk
Nancy Davis		Freeda Kemp
John E. Alexander		John Lamb
		Rydell Wesson
		Richard O'Brian
		Ron Schaming

The November meeting of the Savannah Planning Commission was called to order by Chairman David Davis. The minutes of the October 29th meeting were approved as written with a motion by Commissioner Nancy Davis, second by Alexander. All voted aye.

Old Business

- (1) Discussion to allow more than one principal structure on a lot.

At the last meeting, the Commission discussed an amendment to the zoning ordinance to allow multiple principal structures on a single lot. After further discussion the commission agreed the amendment would be in the best interest of the city. Commissioner Alexander moved to recommend that Section 11-203 of the Savannah Zoning Ordinance be deleted in its entirety, and the following be inserted in its place:

11-203. Erection of Multiple Principal Structures on a Single Lot - In any district, more than one structure housing a permitted or permissible principal use may be erected on a single lot, provided that each such structure shall be located on the lot in such a fashion that the structure and surrounding land could be subdivided onto a separate lot meeting all zoning and Subdivision Regulation requirements, including but not limited to setbacks and frontage on a public street. This section shall not apply to multifamily developments having separate clusters of housing units, nor shall this section apply to shopping centers developed as an integrated whole.

The motion was seconded by Commissioner Nancy Davis. All voted aye.

- (2) Discussion of junkyards

The commission again discussed the definition of junk and junkyards. Codes Enforcement Officer Rydell Wesson explained the problems he has in properly identifying a situation in order to enforce the ordinances that are already in the Municipal Code (specifically the Lot Maintenance Ordinance and the Junk Vehicle Ordinance). Commissioner Alexander stated he felt the problem should be discussed with some of the business owners that could be affected and moved to defer action until next month's meeting. Commissioner Nancy Davis seconded the motion, all voted aye.

- (3) The next item for discussion was consideration of a process by which minor additions to commercial structures and commercial storage buildings in B-2 zone could be approved by staff. Staff requested more time to consider the proposal and prepare a recommendation at the next meeting. The commission concurred.

The December meeting date was changed from December 24th, which is Christmas Eve, to Tuesday, December 29th, 6:00 p.m.

There was no other business to come before the commission and the meeting was adjourned.

Mayor Cherry introduced Ordinance No. 488-10-92, An Ordinance Authorizing the Mayor and City Recorder to Sign a Quitclaim Deed to Brown Shoe Company, Inc. to the Plant Property located in Savannah, Tennessee, on third reading. Upon motion by Commissioner Garey, seconded by Commissioner Carroll, Ordinance No. 488-10-92 was passed on third reading. Whereupon the following roll call vote was had. Voting aye, Garey, Alexander, Cherry and Carroll. Voting No, None. Absent, not voting, Davis. Mayor Cherry declared Ordinance No. 488-10-92 passed on third and final reading.

Mayor Cherry introduced Ordinance No. 489-11-92, on second reading, "An Ordinance to Amend Zoning Ordinance #200 of the City of Savannah and Title 11, Planning and Zoning of the Savannah Municipal Code, to allow mini-warehouses as a permitted use in the B-2 (General Business) zone". Upon motion by Commissioner Garey, seconded by Commissioner Carroll, Ordinance No. 489-11-92 was passed on second reading. Whereupon the following roll call vote was had. Voting aye, Carroll, Cherry, Alexander and Garey. Voting No, None. Absent not voting, Davis. Mayor Cherry declared Ordinance No. 489-11-92 passed on second reading.

Mayor Cherry introduced Ordinance No. 490-12-92, on first reading, "An Ordinance Authorizing the Mayor to sign a warranty deed conveying one acre in the Savannah-Hardin County Industrial Park with an option of one acre to Johnny Williams d/b/a Williams Transport." Mayor Cherry then turned the matter over to City Manager Polk, who said the Hardin County Court had at its last meeting approved this deed transfer. Reggie Jones, Economic Development Director, then advised the Commission that Mr. Williams first approached the Chamber. Mr. Williams provides transportation services to Clayton Homes which was previously done in-house---and now they are contracting outside Clayton and Williams wanted to be located as close as possible. Mr. Jones said that the County, in meeting with Williams, decided to make available one acre with his present 14 employees with option for

him to have an additional one acre at no cost when he has employed an additional employees for a period of 6 months. Mr. Jones continued by saying that based on formulas with industries in Park and his 14 employees, he is eligible to obtain the 1 acre and then option 1 acre at no cost. The property is located across from the speculative building near Cross Country Apparel. The County Commission has said that buildings must be constructed within 6 months from date of conveyance and otherwise the 1 acre and option would revert back to the local government. City Manager Polk said that the City would like to set some Special Meetings on December 11th and December 15th so that we could go ahead and pass on second and third readings and not hold up progress by Mr. Williams who currently has 14 employees, has leased his trucks and he is awaiting permits. Commissioner Garey asked Mr. Jones if Mr. Williams had been furnished a copy of the restrictions and covenants. Mr. Jones said he had and further that Williams was doing a pre-engineered metal building to house his facilities. Commissioner Alexander inquired if Williams' trucks would be stored outside? Mr. Jones said the offices were off the front and the buildings will have 3 bays: 1 for washing and 2 for maintenance. There would be no trailers because Williams picks his up from Clayton. Mr. Jones said Mr. Williams was operating out of his home at this time; that Clayton had just recently phased out their transportation center. Mr. Jones further explained that Williams is eligible to haul anything except household furniture and that he could be a backup for Pinnacle. Mr. Jones continued by saying that Clayton has 148 employees and an eight week backlog. When asked if Clayton contemplates any spinoffs, Mr. Jones said they contemplate producing "doublewides" and have made a lot of improvements on the property in a short period of time and will be using local financing. Motion was made by Commissioner Garey to adopt Ordinance No. 490-12-92 on first reading, seconded by Commissioner Carroll, Whereupon the following roll call vote was

had. Voting aye, Garey, Alexander, Cherry and Carroll. Voting
No, None. Absent not voting, Davis. Mayor Cherry declared Ordinance
No. 490-12-92 passed on first reading. Mayor Cherry then
called Special Meetings on December 11 and December 15 for further
consideration of the Ordinance. Ordinance No. 490-12-92 is as
follows:

ORDINANCE NO. 490-12-92

AN ORDINANCE AUTHORIZING THE MAYOR AND CITY RECORDER TO SIGN A WARRANTY DEED TO ONE ACRE IN THE SAVANNAH-HARDIN COUNTY INDUSTRIAL PARK, WITH AN OPTION OF ONE ACRE TO JOHNNY WILLIAMS, D/B/A WILLIAMS TRANSPORT.

WHEREAS, Hardin County and the City of Savannah, Tennessee are owners of certain land known as "Savannah-Hardin County Industrial Park"; and

WHEREAS, Johnny Williams, d/b/a Williams Transport, has approached the County and the City to purchase a portion of said property, being approximately one acre of land, for industrial purposes, with an option to purchase additional adjoining land; and

WHEREAS, the County has by Resolution on 11/16/92 approved the proposed sale of said property to the said Johnny Williams, d/b/a Williams Transport; and

WHEREAS, it appears it would be advantageous to the City of Savannah for Johnny Williams, d/b/a Williams Transport, to locate in the Industrial Park, and in order to convey said property, with said option, it is necessary for the City Commission to authorize the Mayor and the Recorder to execute a deed to the said Johnny Williams, d/b/a Williams Transport; and

NOW, THEREFORE, BE IT ORDAINED BY THE CITY OF SAVANNAH AS FOLLOWS:

The Mayor and the City Recorder are authorized to execute a general warranty deed with Hardin County, to the said Johnny Williams, d/b/a Williams Transport, or any other entity that the said Johnny Williams should create at the time of the execution of said deed, for one acre of land located in the Savannah-Hardin County Industrial Park, located next to the five acre tract option for Cross Country Apparel, as shown by the attached plat shown as the "Williams Transport 2 Acres". (See attached plat)

BE IT FURTHER ORDAINED that before said conveyance, a Tennessee licensed surveyor will survey the actual one acre to be conveyed in said deed and will also survey the one acre to be optioned to the said Johnny Williams, d/b/a Williams Transport at the time of said conveyance, with the proviso that before the said Johnny Williams, d/b/a Williams Transport, can purchase the second one acre, he will have to show employment of ten (10) additional people over and above the current employment of fourteen (14) people, said additional 10 people to be employed by said Williams for a period of six (6) months, at which time the said Johnny Williams, d/b/a Williams Transport, may exercise his option. It is understood that if said Johnny Williams, d/b/a Williams Transport, does not obtain 10 additional people over and above the current employment of 14 people, the option will be of no effect and said Williams will not have the right to exercise said option.

BE IT FURTHER ORDAINED that said conveyance will contain language to the effect that if the said Johnny Williams fails to construct said buildings as contemplated by the parties within six (6) months after the date of said conveyance, title to said one acre and the option right will automatically revert back to the City and County without any notice or legal action on the part of the said City and County.

BE IT FURTHER ORDAINED that if the said Williams desires to exercise said option, and has complied herewith, he will give written notice of his desire to do so and will allow the City and County free access to his records, payrolls and other documents to sustain the fact that he is employing 10 additional people over and above the current 14 people employed, and has employed said 10 additional people for a period of six months.

BE IT FURTHER ORDAINED that the price of the initial one acre to be sold to Williams will be for no consideration, based upon the formula policy for pricing Savannah-Hardin County industrial property. Likewise, if said Williams exercises his option, it will be for no consideration, again as provided by the policy for pricing Savannah-Hardin County industrial property.

BE IT FURTHER ORDAINED that said property will be surveyed as herein contemplated, both as to the initial one acre tract which will be conveyed by this authorization, as well as the one acre to be subject to the option to purchase, but the same will be generally located as above stated and as shown on the attached plat.

BE IT FURTHER ORDAINED that said sale, including the option, shall be subject to the restrictive covenants as set forth in the Protective Provisions and covenants of the Savannah-Hardin County Industrial Park, recorded in Deed Book 139, page 690, in the Register's Office for Hardin County, Tennessee, and reference is here made to the same for incorporation herein as though the same were copied herein verbatim.

BE IT FURTHER ORDAINED that this Ordinance take effect from and after its passage, the public welfare requiring it.

MAYOR JACK CHERRY

ATTEST:

WILLIAM P. FOX, JR., RECORDER

1st Reading _____
2nd Reading _____
3rd Reading _____

Mayor Cherry introduced Ordinance No. 491-12-92, on first reading, "An Ordinance to amend Zoning Ordinance #200 of the City of Savannah and Title 11, Planning and Zoning, of the Savannah Municipal Code to allow more than one principal structure on a lot. Mayor Cherry then asked City Planner Freeda Kemp to comment. Ms. Kemp said any additional structures must first meet all zoning requirements. Motion was made by Commissioner Alexander to adopt Ordinance No. 491-12-92 on first reading, seconded by Commissioner Carroll, Whereupon the following roll call vote was had. Voting aye, Carroll, Cherry, Alexander and Garey. Voting No, None. Absent not voting, Davis. Mayor Cherry declared Ordinance No. 491-12-92 passed on first reading. Ordinance No. 491-12-92 is as follows:

ORDINANCE NO. 491-12-92

AN ORDINANCE TO AMEND ZONING ORDINANCE #200 OF THE CITY OF SAVANNAH AND TITLE 11, PLANNING AND ZONING OF THE SAVANNAH MUNICIPAL CODE, TO ALLOW MORE THAN ONE PRINCIPAL STRUCTURE ON A LOT.

WHEREAS, certain revisions to the Savannah Zoning Ordinance are believed to be necessary and in the public interest; and

WHEREAS, the Savannah Municipal/Regional Planning Commission has reviewed and recommended this revision;

NOW, THEREFORE, BE IT ORDAINED by the City Commission of the City of Savannah that the Savannah Municipal Code be amended as follows:

That section 11-303 be deleted in its entirety and be replaced to read as follows:

11-303. Erection of Multiple Principal Structures on a Single Lot - In any district, more than one structure housing a permitted or permissible principal use may be erected on a single lot, provided that each such structure shall be located on the lot in such a fashion that the structure and surrounding land could be subdivided onto a separate lot meeting all zoning and Subdivision Regulation requirements, including but not limited to setbacks and frontage on a public street. This section shall not apply to multifamily developments having separate clusters of housing units, nor shall this section apply to shopping centers developed as an integrated whole.

BE IT FURTHER ORDAINED that this ordinance shall take effect upon its passage the PUBLIC WELFARE REQUIRING IT, and that notice to the public is given in the Savannah Courier before third and final passage.

Jack D. Cherry, Jr., Mayor

ATTEST:

William P. Fox, City Recorder

1st Reading _____
2nd Reading _____
3rd Reading _____

City Attorney Hopper read four Resolutions to the Commission, being: a signature authority resolution designating Boatmen's Bank of Savannah, Tennessee, as a depository of funds for the City of Savannah; a signature authority resolution designating Third National Bank of South Central Tennessee, as a depository of funds for the City of Savannah; a signature authority resolution designating The Hardin County Bank, Savannah, Tennessee, as a depository of funds for the City of Savannah; and a signature authority resolution designating First Federal Savings and Loan Association of Hardin County, Savannah, Tennessee, as a depository of funds for the City of Savannah. The Resolutions also authorized members of the current City Commission to be authorized signatories on accounts with the respective financial institutions. Commissioner Carroll made a motion that all four Resolutions be combined in one motion and approved by the Commission. The motion was seconded by Commissioner Garey. All ayes. Motion passed. The Resolutions are as follows.

Signature Authority For City Of Savannah
Savannah, Tennessee

I hereby certify that I am the Recorder of the City Commission in Savannah, Tennessee. I further certify that at a meeting of the City Commission in Savannah, Tennessee on the 3rd day of December, 1992 and at which a quorum was present and acting throughout, the following resolution was duly adopted and is now in full force and effect:

RESOLVED that Boatmen's Bank of Tennessee, Savannah, Tennessee, be, and it hereby is, designated as a depository of funds of this organization and that one or more accounts be opened with the said Boatmen's Bank of Tennessee, Savannah, Tennessee and any of the persons who are signatories on file with said depository are hereby authorized to draw and sign checks against such accounts with said Boatmen's Bank of Tennessee, Savannah, Tennessee.

TWO SIGNATURES will be required on each withdrawal from the account(s).

RESOLVED that SIGNATURE AUTHORITY FOR CITY OF SAVANNAH, SAVANNAH, TENNESSEE adopted on the 27th day of June, 1991, and subsequent amendments and all prior signature authorities and amendments are hereby revoked from and after the effective date of this resolution.

AND BE IT RESOLVED that this resolution shall continue and remain in force until written notice of its revocation has been duly given the said Boatmen's Bank of Tennessee, Savannah, Tennessee.

IN TESTIMONY WHEREOF we do hereby set our hand this 3rd day of December, 1992.

PRESIDING OFFICER

RECORDER

Signature Authority For City Of Savannah
Savannah, Tennessee

I hereby certify that I am the Recorder of the City Commission in Savannah, Tennessee. I further certify that at a meeting of the City Commission in Savannah, Tennessee on the 3rd day of December, 1992 and at which a quorum was present and acting throughout, the following resolution was duly adopted and is now in full force and effect:

RESOLVED that Third National Bank of South Central Tennessee, Savannah, Tennessee, be, and it hereby is, designated as a depository of funds of this organization and that one or more accounts be opened with the said Third National Bank of South Central Tennessee, Savannah, Tennessee and any of the persons who are signatories on file with said depository are hereby authorized to draw and sign checks against such accounts with said Third National Bank of South Central Tennessee, Savannah, Tennessee.

TWO SIGNATURES will be required on each withdrawal from the account(s).

RESOLVED that SIGNATURE AUTHORITY FOR CITY OF SAVANNAH, SAVANNAH, TENNESSEE adopted on the 27th day of June, 1991, and subsequent amendments and all prior signature authorities and amendments are hereby revoked from and after the effective date of this resolution.

AND BE IT RESOLVED that this resolution shall continue and remain in force until written notice of its revocation has been duly given the said Third National Bank of South Central Tennessee, Savannah, Tennessee.

IN TESTIMONY WHEREOF we do hereby set our hand this 3rd day of December, 1992.

PRESIDING OFFICER

RECORDER

Signature Authority For City Of Savannah
Savannah, Tennessee

I hereby certify that I am the Recorder of the City Commission in Savannah, Tennessee. I further certify that at a meeting of the City Commission in Savannah, Tennessee on the 3rd day of December, 1992 and at which a quorum was present and acting throughout, the following resolution was duly adopted and is now in full force and effect:

RESOLVED that The Hardin County Bank, Savannah, Tennessee, be, and it hereby is, designated as a depository of funds of this organization and that one or more accounts be opened with the said Hardin County Bank, Savannah, Tennessee and any of the persons who are signatories on file with said depository are hereby authorized to draw and sign checks against such accounts with said Hardin County Bank, Savannah, Tennessee.

TWO SIGNATURES will be required on each withdrawal from the account(s).

RESOLVED that SIGNATURE AUTHORITY FOR CITY OF SAVANNAH, SAVANNAH, TENNESSEE adopted on the 27th day of June, 1991, and subsequent amendments and all prior signature authorities and amendments are hereby revoked from and after the effective date of this resolution.

AND BE IT RESOLVED that this resolution shall continue and remain in force until written notice of its revocation has been duly given the said Hardin County Bank, Savannah, Tennessee.

IN TESTIMONY WHEREOF we do hereby set our hand this 3rd day of December, 1992.

PRESIDING OFFICER

RECORDER

Signature Authority For City Of Savannah
Savannah, Tennessee

I hereby certify that I am the Recorder of the City Commission in Savannah, Tennessee. I further certify that at a meeting of the City Commission in Savannah, Tennessee on the 3rd day of December, 1992 and at which a quorum was present and acting throughout, the following resolution was duly adopted and is now in full force and effect:

RESOLVED that First Federal Savings and Loan Association of Hardin County, be, and it hereby is, designated as a depository of funds of this organization and that one or more accounts be opened with the said First Federal Savings and Loan Association of Hardin County and any of the persons who are signatories on file with said depository are hereby authorized to draw and sign checks against such accounts with said First Federal Savings and Loan Association of Hardin County.

TWO SIGNATURES will be required on each withdrawal from the account(s).

RESOLVED that SIGNATURE AUTHORITY FOR CITY OF SAVANNAH, SAVANNAH, TENNESSEE adopted on the 27th day of June, 1991, and subsequent amendments and all prior signature authorities and amendments are hereby revoked from and after the effective date of this resolution.

AND BE IT RESOLVED that this resolution shall continue and remain in force until written notice of its revocation has been duly given the said First Federal Savings and Loan Association of Hardin County.

IN TESTIMONY WHEREOF we do hereby set our hand this 3rd day of December, 1992.

PRESIDING OFFICER

RECORDER

Mayor Cherry said there were no Proclamations to come before the Commission.

Mayor Cherry asked for public participation and there was none.

Next on the agenda, under the item of "Purchases", Mayor Cherry requested action for the following:

- (a) A motion is requested by the Utility Department making bid award and authorizing the Mayor to sign contracts for the dechlorination facilities at the Waste water treatment plant for which \$50,000.00 was budgeted. Utility Director Morris explained that five contractors picked up plans and one bid was received. The bid was lower than anticipated and was from Lincoln Utility Contractors. Commissioner Alexander inquired if the City had done business with Lincoln. Mr. Morris said no but they had been recommended by our engineering firm, GRW. Commissioner Carroll made a motion to accept the only bid of Lincoln Utility Contractors, Fayetteville, Tennessee, for \$16,500.00, seconded by Commissioner Garey. All Ayes. Motion passed.
- (b) A motion is requested by the Utility Department making bid award and authorizing the Mayor to sign contracts for the Western Sub-area I & I Improvements Project for which \$61,000.00 is budgeted for this sewer rehab project in FY '93. Mayor Cherry asked Utility Director Morris to comment. Mr. Morris said four bids were submitted and the recommendation of GRW Engineering was to accept the low bid of Sewer Services Limited in the amount of \$174,900. Motion was made by Commissioner Garey to accept the low bid of Sewer Services Limited, seconded by Commissioner Carroll. All Ayes. Motion Passed. City Manager Polk told the Commissioners that this project would be a benefit to the City because it would reduce infiltration and less water to the Waste Water Plant which will lessen our costs.

(c) A motion is requested making bid award for the purchase of a 1-ton crew truck by the Utility Department for which \$17,000.00 is budgeted. Mayor Cherry asked Utility Director Morris to comment. Mr. Morris said four dealers bid and the low bid of \$15,316.79 did not meet specs. The next low bid meeting all specs in the amount \$15,424.00 was from Simmons-Marsh Ford and Mr. Morris recommended that this low bid be accepted. Commissioner Alexander asked if this was a trade-in price and what was wrong with the present truck and how much would it cost to effect repairs. Mr. Morris explained the price did include trade-in; that the present vehicle needed, in his department's estimate, approximately \$3,000.00 work but also it was an old truck. Commissioner Garey moved that the low bid of Simmons-Marsh be accepted, seconded by Commissioner Carroll. All Ayes. Motion Passed.

(d) A Motion is requested making bid award for the purchase of a small service pickup truck by the Utility Department for which \$10,500.00 is budgeted. Utility Director Morris said four dealers bid; the low bid of Simmons-Marsh of \$8,333.00 did not meet specs and the low bid meeting specs was that of Gary Simmons in the amount of \$8,965.34 replacement with trade-in. Motion was made by Commissioner Carroll to approve this purchase, seconded by Commissioner Garey. All Ayes. Motion Passed.

Under "New Business", the following items were heard:

(a) Mayor Cherry asked for a motion filling a vacancy created on the Airport and Aeronautics Board by the resignation of City Manager Holder and recommended that it be our new City Manager, Bob Polk. Commissioner Garey made a motion that City Manager Polk be appointed to the Board, seconded by Commissioner Carroll. All Ayes. Motion Passed.

(b) Mayor Cherry said a motion was requested authorizing the Mayor to execute a \$16,000.00 contract with the Tennessee Department of Transportation relative to paving and drainage at

the Savannah/Hardin County Airport. Also, he said, funding shall be a \$8,000 TDOT Grant with \$8,000.00 local match provided by the Airport Board and no City/County participation. City Manager Polk told the Commissioners that the Airport Board got a Grant which was matched by funds already in the Airport Board's budget. Basically, he said, this will pay for paving access road and parking area at Terminal Building. Mr. Polk further said that the Grant is in the name of both the City and County; that the Airport Board will administer and take care of same. There would be no liability to the City or County. Commissioner Garey made a motion that the Mayor be authorized to execute the contract, seconded by Commissioner Carroll. All Ayes. Motion Passed.

(c) Mayor Cherry next placed before the Commissioners request for a motion approving the Mayor's appointment to the City of Savannah's representative to the Board of Municipal Solid Waste Region of Hardin County and designated neighboring counties for which the term of appointment would be two years. Mr. Polk addressed the Commissioners saying that this was the solid waste planning multi county project that was discussed at our last Commission Meeting and that we had asked to have an appointee. Mr. Polk said there had been one change since the County had passed the Resolution for a Five County Region and that was that Decatur County had pulled out. There are now Four Counties and the 4 remaining counties are working it out; there will still be a Planning Region although we do not know exactly the make-up of the region. Mr. Polk further explained that even though Decatur County pulled out they are the most likely county to have a landfill and would be willing to take wastes from other counties when they develop their landfill. Mayor Cherry appointed Jim Garey to serve on the Board.

(d) Mayor Cherry appointed Mike Martin to the Planning Commission for term expiring August 31, 1994, filling the unexpired term of Ms. Linda Burns, who resigned.

Under "Other Business", Commissioner Alexander complimented Fire Chief Berry for the efficient manner in which the old recycling center cleanup on WAYne Road was handled. Commissioner Alexander said it was a very difficult time for City to take such measures as had to take but a plus for the city as far and health and well-being of its citizens.

Mayor Cherry thanked the Street Department and Mr. Higgins for their good work on the leaf pickup project.

Commissioner Alexander thanked Parks and Recreation Director Harrell for the newly completed rip rap at City Park.

City Manager Polk discussed the following items in his City Manager's Report.

- (1) That Commissioner Davis was home from hospital.
- (2) That Savannah's Christmas Parade will be Monday, December 7th, and Jones Motor Company is furnishing vehicles for our Mayor and Commissioners participation.
- (3) That the upcoming TML Conference is in February on Legislative Affairs.
- (4) That we have received the Audit Report and there are no negative findings and that the audit firm will present the audit to the Commission at the January 1993 Regular Meeting.

City Manager Polk then asked the Economic Director, Reggie Jones, for an update on his work. Mr. Jones commented relative to positive activity and progress of C & S Industry, Merco and GSI. Also, Mr. Jones said that Pinnacle Fibreglas has leased the Alexander Paper Building over in Counce and moving the Aquarius operation there and they will have 37 employees.

Further, Mr. Jones said Mr. Walden with Cross County Apparel got permission from the State to met requirements of his industrial loan. He must hire 50 people. He plans to submit his application in January. First he will get the employees, then the space.

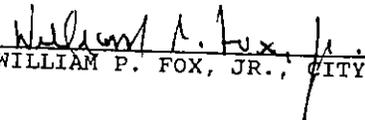
Finally, we have received grant approval for \$27,000 ± to extend sewer to the Bailey House location.

Mayor Cherry referred the Commissioners to the information items contained in the meeting Agenda.

There being no further business to come before the Commission, motion was made and passed to adjourn but keep same open as shown herein.


MAYOR JACK CHERRY

ATTEST:


WILLIAM P. FOX, JR., CITY RECORDER

MC NAIRY COUNTY COMMISSION

December 7, 1992

- I.
Roll Call: Commissioner Jim Rickman absent.

- II.
Commissioner Maness moved for approval of the minutes of the November County Commission meeting.

Second by: Commissioner Woods.
The motion carried unanimously.

- III.
Commissioner Knight moved to accept a resolution which would create a solid waste planning region consisting of Mc Nairy, Chester, Hardin, and Wayne counties.

Second by: Commissioner Cox.
The motion carried with 19 Commissioners voting Aye and Commissioner Sullivan voting Nay.

- IV.
Commissioner Ashe moved to approve the recommendation of County Executive Thrasher that Charles Ellis and Maurice Hamm represent Mc Nairy County on the Municipal Solid Waste Region Board. The County Executive would serve as an alternate.

Second by: Commissioner Woods.
The motion carried unanimously.

- V.
Commissioner Cox moved that any committee which meets should make a report of its meeting to the County Commission.

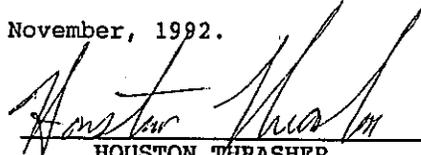
Second by: Commissioner Ellis.
The motion carried unanimously.

- VI.
The meeting was then declared adjourned on a motion by Commissioner Cox and second by Commissioner Ellis.

BE IT FURTHER RESOLVED that should the loan be approved, the obligation will be paid solely from the general revenues of the Hospital.

BE IT FURTHER RESOLVED that the County Executive and the County Clerk are hereby authorized and directed to execute the application and any and all other documents necessary to carry out the intent of this Resolution.

Approved by the McNairy County Commission meeting in regular session on the 9th day of November, 1992.

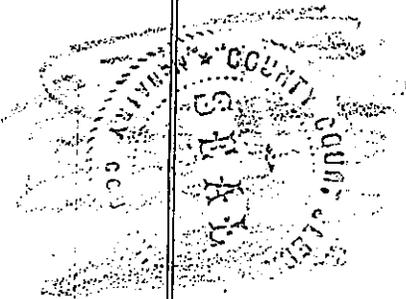

HOUSTON THRASHER,
COUNTY EXECUTIVE

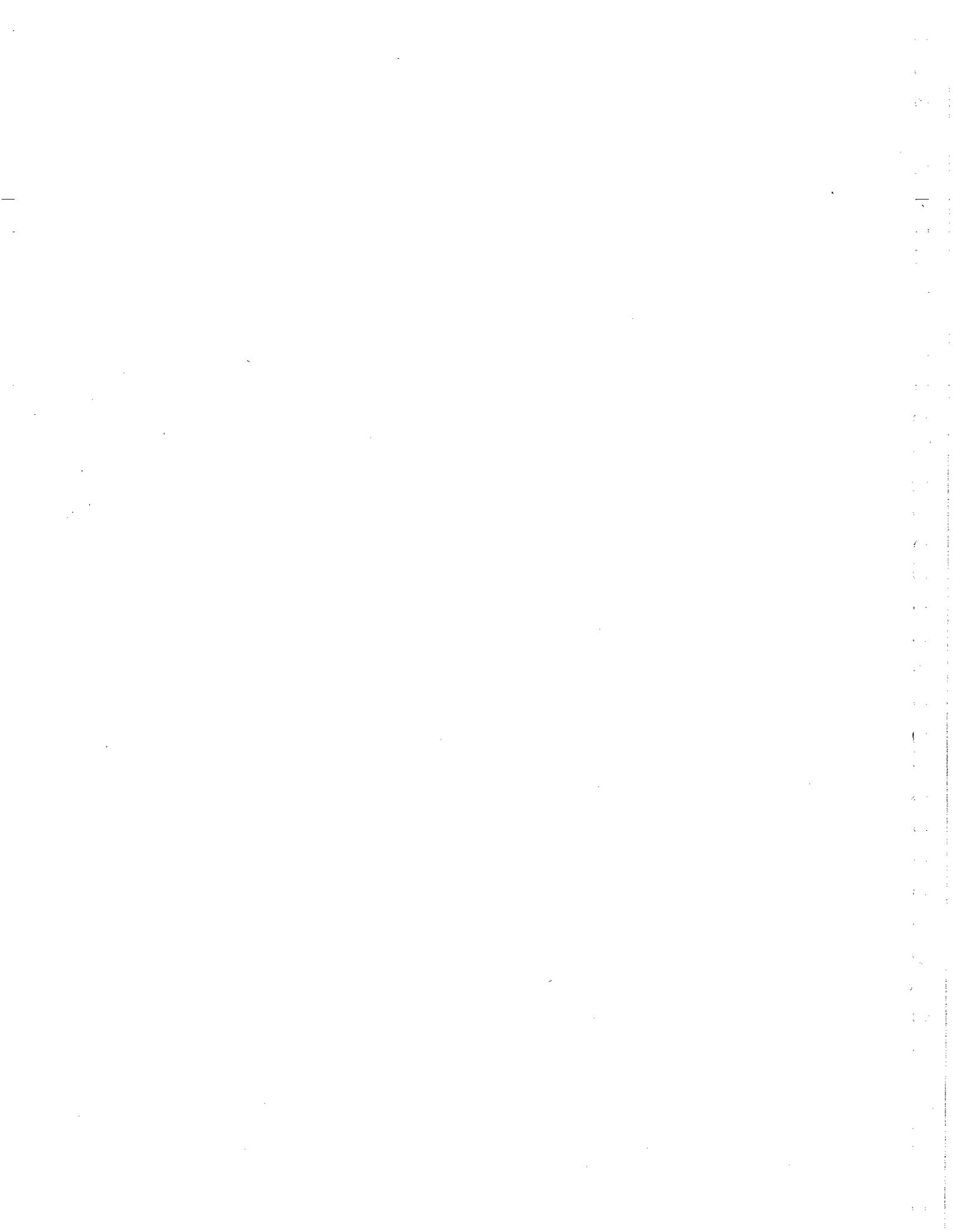
CERTIFICATE

I, Ronnie Price, County Court Clerk, hereby certify that the foregoing Resolution was duly approved by the McNairy County Commission meeting in regular session on the 9th day of November, 1992, and that said Resolution has been neither amended, modified nor revoked and continues to be in full force and effect.

WITNESS my signature, this the 9th day of November, 1992.


RONNIE PRICE,
COUNTY COURT CLERK





PART II

To demonstrate that the Shiloh Solid Waste Planning Region and its inclusive municipalities are complying with the Solid Waste Act of 1991, T.C.A. 68-211-874, A letter signed by the County Executive/ Mayor of of each entity certifying the conditions have been met and stating the name of the special revenue fund(s) established are provided:

To Whom It May Concern:

In compliance with the Solid Waste Management Act of 1991, Chester County has established a special revenue fund expressly for the purpose of the management of solid waste within the county. Also a separate enterprise fund has also been established to account for activities specifically related to the operation of the Chester County Landfill. These funds shall be managed using a uniform solid waste accounting system and chart of accounts developed by the comptroller of the treasury and conforming to generally accepted accounting principles as required by T.C.A. 68-211-874(a). The names of these funds are 116 Solid Waste/Sanitation.

By: 

County Executive

Title

5-9-94

Date



SAVANNAH, TENN.

RECEIVED
MAR 17 1994
Ans'd.....

KIM STRICKLIN
County Executive
Savannah, Tennessee 38372

March 11, 1994

Mr. Paul E. Davis, Director
State of Tennessee
Division of Solid Waste Assistance
L & C Tower
401 Church Street
Nashville, TN 37243-0455

RE: Financial Accounting for Solid Waste Operations

Dear Mr. Davis:

In accordance with the Solid Waste Management Act of 1991, the County of Hardin has established a special revenue fund expressly for the purpose of the management of solid waste. This fund shall be managed using a uniform solid waste accounting system and shall be managed using a uniform solid waste accounting system and chart of accounts developed by the Comptroller of the Treasury and conforming to generally accepted accounting principles as required by T.C.A. 68-211-874(a).

We trust this letter contains the information needed to comply with your review of the Shiloh Regional 10 Year Solid Waste Plan. Should you need additional information, please contact us.

Sincerely,

KIM STRICKLIN
Hardin County Executive

BOARD OF COMMISSIONERS:

Huey Alexander
Dr. H. L. Boyd
Lowell Byrd
James Clarke
David H. Davis

John T. Duncan
Larry Franks
Jerry Ganus
Debra Garnson
Hugh Gresham

Bobby Grooms
Perry W. Hamilton
Charles Howard
Gordon Johnson
L. D. Nixon

Ray Phillips
Johnny W. Smith
A. B. Stricklin
Emery White
Bill Winborn

JAMES COY ANDERSON
COUNTY EXECUTIVE

Wayne County Court House

P.O. BOX 206
WAYNESBORO, TENNESSEE 38485
(615) 722-3653

March 28, 1994

RECEIVED
MAR 31 1994
Ans'd.....

Paul E. Davis, Director
Division of Solid Waste Assistance
L & C Tower
401 Church Street
Nashville, TN 37243-0455

RE: Financial Accounting for Solid Waste Operations

Dear Mr. Davis,

In accordance with the Solid Waste Management Act of 1991, the County of Wayne has established a special revenue fund expressly for the purpose of the management of solid waste. This fund shall be managed using a uniform solid waste accounting system and chart of accounts developed by the Comptroller of the Treasury and conforming to generally accepted accounting principles as required by T.C.A. 68-211-874(a).

We trust that this letter contains the information needed to comply with your review of the Shiloh Regional 10 Year Solid Waste Plan. Should you need additional information please contact us.

Sincerely,


James Coy Anderson
County Executive

cc: Bob Polk, Secretary/Treasurer Shiloh Regional Solid Waste
Planning Committee
Bill Griggs, Griggs & Maloney, Inc.
Edward Mathis, Chairman Wayne County Solid Waste Committee
Robert Hayes, Director Wayne County Solid Waste Department

5/4/94

Town of Selmer, Tennessee

City Hall, 144 North Second Street
Selmer, Tennessee 38375
(901) 645-3241

JIMMY WHITTINGTON, Mayor
ANN HENDERSON, Recorder

O.B. RICKMAN
Street & Sanitation Superintendent
R.B. LEONARD, Chief of Police
JOHN DYER, Fire Chief
DARRELL GOODRUM, Assistant Fire Chief
TERRY ABERNATHY, Attorney
BILL WEBB, City Judge
GEORGE T. GRAHAM, Building Inspector

ALDERMEN
BETTY DOSS
LEE HENRY
PAUL SIMPSON
BILLY N. BROWN
WILBURN G. ASHE

May 2, 1994

Mr. Paul E. Davis, Director
STATE OF TENNESSEE
Division of Solid Waste Assistance
L & C Tower
401 Church Street
Nashville, Tn. 37243-0455

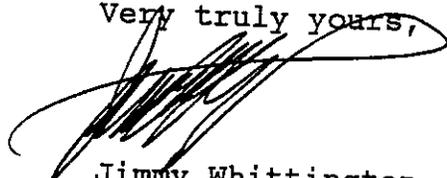
RE: Financial Accounting for Solid Waste Operations

Dear Mr. Davis:

In accordance with the Solid Waste Management Act of 1991, the City of Selmer has established a special revenue fund expressly for the purpose of the management of solid waste. This fund shall be managed using a uniform solid waste accounting system and chart of accounts developed by the comptroller of the treasury and conforming to generally accepted accounting principles as required by T. C. A. 68-211-874(a).

We trust that this letter contains the information needed to comply with your review of the Shiloh Regional 10 Year Solid Waste Plan. Should you need additional information please contact us.

Very truly yours,



Jimmy Whittington
Mayor, Town of Selmer

City of Collinwood

P.O. Box 98
Collinwood, Tennessee 38450

April 25, 1994

Mr. Paul E. Davis, Director
State of Tennessee
Division of Solid Waste Assistance
L & C Tower
401 Church Street
Nashville, Tn 37243-0455

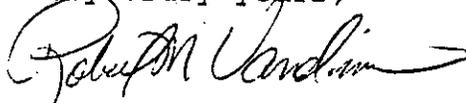
RE: Financial Accounting for Solid Waste Operations

Dear Mr. Davis:

In accordance with the Solid Waste Management Act of 1991, the City of Collinwood has taken the necessary steps to establish a special revenue fund expressly for the purpose of the management of solid waste. This fund shall be managed using a uniform solid waste accounting system and chart of accounts developed by the comptroller of the treasury and conforming to generally accepted accounting principles as required by T.C.A. 68-211-874(a).

We trust that this letter contains the information needed to comply with your review of the Shiloh Regional 10 Year Solid Waste Plan. Should you need additional information please contact us.

Very truly yours,



Robert M. Vandiver
City Manager

RMV/sg

CHARLES E. PATTERSON
MAYOR

JIM E. GARLAND
RECORDER

City of Henderson

P. O. BOX 68
HENDERSON, TENNESSEE 38340
PHONE 901 989-4628

March 16, 1994

Mr. Paul E. Davis, Director
State of Tennessee
Division of Solid Waste Assistance
L & C Tower
401 Church Street
Nashville, TN 37243-0455

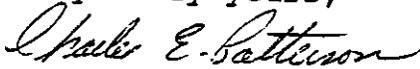
RE: Financial Accounting for Solid Waste Operations

Dear Mr. Davis,

In accordance with the Solid Waste Management Act of 1991, the City of Henderson, Tennessee has established a special revenue fund expressly for the purpose of the management of solid waste. This fund shall be managed using a uniform solid waste accounting system and chart of accounts developed by the comptroller of the treasury and conforming to generally accepted accounting principles as required by T.C.A. 68-211-874 (a).

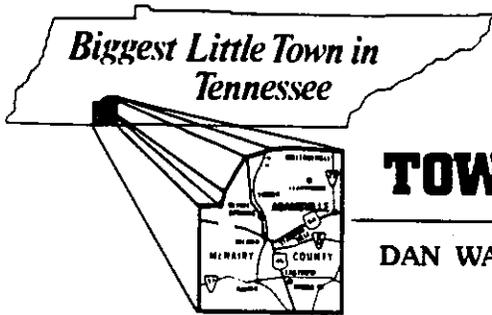
We trust that this letter contains the information needed to comply with your review of the Shiloh Regional 10 year Solid Waste Plan. Should you need additional information please contact us.

Very truly yours,



Charles E. Patterson, Mayor
City of Henderson, TN

CEP:jeg



TOWN OF ADAMSVILLE

DAN WARD, Mayor

Post Office Box 301
Adamsville, Tennessee 38310

RECEIVED

MAR 15 1994

Ans'd.....

March 11, 1994

COMMISSIONER
LEONARD DURHAM
TODD GEAN
TOMMY MORRIS
PAUL WALLACE PLUM

DONNA SNIDER
City Recorder

BOB GRAHAM
Public Works Director

DEUSNER & KENNEDY
City Attorney

Mr. Paul E. Davis, Director
State of Tennessee
Division of Solid Waste Assistance
L & C Tower
401 Church Street
Nashville, TN. 37243-0455

RE: Financial Accounting for Solid Waste Operations

Dear Mr. Davis:

In accordance with the Solid Waste Management Act of 1991, the Town of Adamsville has established a special revenue fund expressly for the purpose of the management of solid waste. This fund shall be managed using a uniform solid waste accounting system and chart of accounts developed by the comptroller of the treasury and conforming to generally accepted accounting principles as required by T.C.A. 68-211-874(a).

We trust that this letter contains the information needed to comply with your review of the Shiloh Regional 10 Year Solid Waste Plan. Should you need additional information please contact me.

Sincerely,

TOWN OF ADAMSVILLE

Dan Ward,
Mayor

DW/ds

Mayor
JACK D. CHERRY, JR.
Vice Mayor
JAMES M. GAREY
Commissioners
NANCY DAVIS
JOHN E. ALEXANDER
LARRY A. CARROLL



City Manager
ROBERT F. POLK
City Recorder
WILLIAM P. FOX, JR.
City Attorney
JAMES A. HOPPER

March 9, 1994

Mr. Paul E. Davis, Director
STATE OF TENNESSEE
Division of Solid Waste Assistance
L & C Tower
401 Church Street
Nashville, TN 37243-0455

RE: Financial Accounting for Solid Waste Operations

Dear Mr. Davis:

In accordance with the Solid Waste Management Act of 1991, the City of Savannah has established a special revenue fund expressly for the purpose of the management of solid waste. This fund shall be managed using a uniform solid waste accounting system and chart of accounts developed by the comptroller of the treasury and conforming to generally accepted accounting principles as required by T.C.A. 68-211-874(a).

We trust that this letter contains the information needed to comply with your review of the Shiloh Regional 10 Year Solid Waste Plan. Should you need additional information please contact us.

Very truly yours,

Bob

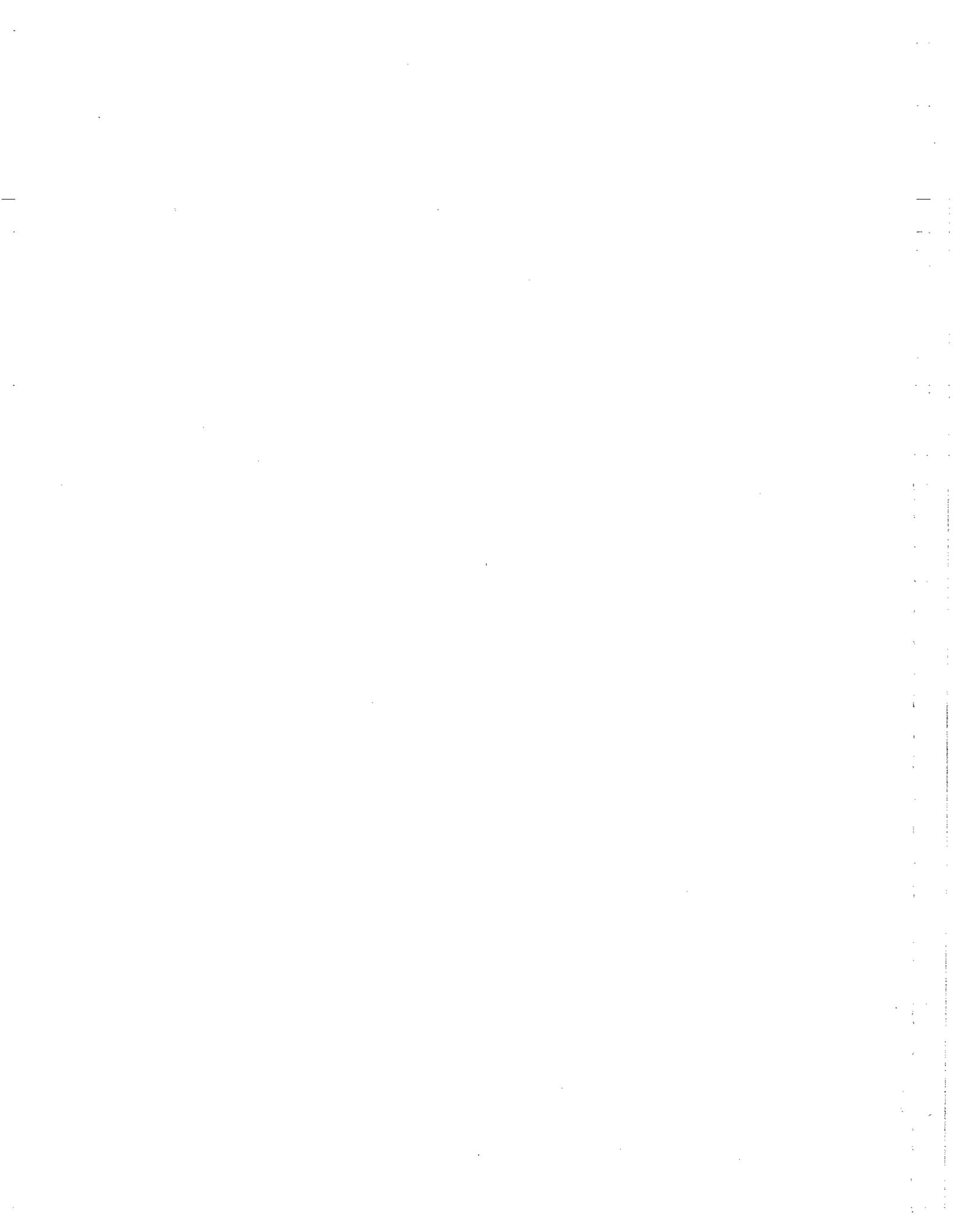
Bob Polk,
City Manager

APPENDIX B

DOCUMENTATION FOR ADJUSTMENTS TO THE BASE YEAR GENERATION

APPENDIX B

There were no adjustments to the base year generation.



APPENDIX C

PUBLIC PARTICIPATION ACTIVITIES

APPENDIX C

PUBLIC PARTICIPATION ACTIVITIES

GENERAL

The Shiloh Regional Solid Waste Planning Committee has met in open meetings since April 8, 1993, to develop the 10-year solid waste plan. These meetings were open to the public and various citizens have attended from time to time. Following is a list of the meetings that representatives of the engineering firm of Griggs & Maloney, Inc., have attended regarding the development of the plan. Also included are the minutes of each of the board meetings.

INFORMATIONAL MEETINGS

Representatives of the engineering firm of Griggs & Maloney, Inc., met with each county commission before the plan was finalized to brief them on the process and summarize the work to that point.

PUBLIC HEARINGS

Public hearings were held in each county to explain in detail to the public the process, the contents of the plan, and the approval procedure.

FINAL APPROVAL

Representatives of the engineering firm of Griggs & Maloney, Inc., met with each county commission to present the plan in detail before the county commission voted to adopt the plan.

SHILOH MEETINGS

10-Year Solid Waste Plan

1993

1. April 8 Griggs meets with Committee
2. May 3 Robinson, Pegel, Griggs attend Committee meeting
3. May 3 Pegel & Griggs meet with Anthony Bolton, Chester County Executive
4. June 7 Pegel, Griggs, Robinson attend committee meeting
5. June 14 Griggs visits Coy Anderson (Wayne Co. Executive) in Waynesboro and Anthony Bolton (Chester Co. Executive) in Henderson
6. June 21 Griggs meets w/Hardin Co. Commission
7. July 12 Griggs and Pegel meet with committee
8. July 13 Griggs meets with Coy Anderson, Houston Thrasher, Anthony Bolton, Kim Stricklin.
9. Aug. 2 Griggs & Pegel met with committee
10. Sept. 13 Griggs meets with committee
11. Sept. 13 Griggs meets with McNairy Co. Executive, Houston Thrasher
12. Sept. 27 Griggs meets with Hardin Co. Executive, Kim Stricklin
13. Sept. 28 Griggs meets with Wayne Co. Executive, Coy Anderson
14. Sept. 28 Griggs meets with Chester Co. Executive, Anthony Bolton
15. Oct. 4 Griggs meets with committee
16. Oct. 11 Griggs meets with Chester Co. Commission
17. Oct. 14 Griggs attend Hardin Co. public hearing and commission work session
18. Oct. 18 Griggs meets with Hardin Co. Commission
19. Oct. 18 Robinson attend Wayne Co. public hearing
20. Oct. 18 Robinson meets with Wayne Co. Commission
21. Oct. 19 Pegel attend Chester Co. public hearing
22. Nov. 1 Griggs attend Committee meeting
23. Nov. 8 Griggs attend McNairy Co. public hearing
24. Nov. 8 Griggs meets with McNairy Co. commission
25. Nov. 16 Griggs meets with committee in Fayetteville, Tennessee
26. Nov. 19 Robinson meets with committee in Tupelo, Mississippi
27. Dec. 6 Griggs attends Committee meeting
28. Dec. 14 Griggs speak at Hardin Co./Savannah Rotary Club
29. Dec. 20 Griggs meets in Savannah with Bob Polk to develop Authority documents

SHILOH MEETINGS, cont'd

1994

- 30. Jan. 6 Griggs meets in Savannah with Bob Polk to develop Authority documents
- 31. Jan. 6 Griggs meets with Savannah City Council
- 32. Jan. 10 Griggs attends Committee meeting in Savannah. Plan approved.
- 33. Jan. 20 Griggs meets with Wayne Co. Commission concerning 10-yr plan. Plan approved.
- 34. Jan. 28 Griggs & Bob Polk meet with Coy Anderson in Waynesboro; discuss 10-yr. plan & Authority formation.
- 35. Feb. 14 Griggs attended Shiloh Committee meeting in Savannah.
- 36. Feb. 14 Griggs presented Plan to McNairy County Commission. Approved.
- 37. Feb. 21 Griggs presented plan to Hardin County Commission. Plan Not approved. Plan approved on March 15
- 38. Mar. 21 Robinson presents plan to Wayne County Planning Commission. Plan approved.
- 39. Mar. 22 Griggs meets in Savannah with Bob Polk regarding solid waste disposal questions.
- 40. Apr. 4 Griggs meets with Adamsville to review plan.
- 41. Apr. 11 Griggs presents plan to Chester County. Plan approved.
- 42. Apr. 12 Griggs presents plan to Selmer city council.

A3 @ MMT 2 Griggs ~~PRESENTS~~ ATTENDS SHILOH COMMITTEE MEETING IN SAVANNAH

MINUTES OF MEETING

DATE: April 8, 1993

RE: Shiloh Regional Solid Waste Planning Committee

PARTICIPANTS: See Attached Attendance List

ITEMS DISCUSSED:

The meeting began at 1:05pm and was called to order by Chairman Jim Garey. An agenda was distributed along with an attendance sheet. Proxies were received as shown on the enclosure.

The minutes of the March 26, 1993 meeting were approved as written.

The financial report was unchanged from the previous meeting.

Special guests Geneil Hailey and Joyce Dunlap from the Tennessee Department of Conservation and Environment were recognized and welcomed to the meeting.

The primary order of business was the discussion and review of the consultant agreement with Griggs and Maloney, Inc. It was agreed that Bob Polk would serve as the point of contact between the consultant and the committee and that all appropriate data would be distributed to the County Executives for input.

Joyce Dunlap provided an overview of the grant application process and discussion ensued on whether to apply as individual counties or as a region. Joyce stressed that grant monies can only be utilized for planning purposes.

Bill Griggs with Griggs and Maloney, Inc. arrived at the meeting at 2:10pm. A general discussion ensued regarding terms of the contract. Revisions to the agreement were requested and are as follows:

1. The contract should be with the Shiloh Regional Solid Waste Planning Committee.
2. The contract will be executed by Chairman Jim Garey on behalf of the region.
3. Rather than referencing Section IV and V of the proposal on page 6 of the contract these sections should be added as exhibits to the contract.

A motion was made by Maurice Ham and seconded by Jimmy Whittington that the region apply for a grant in the amount of \$80,000 with Hardin County to be the fiscal agent for the region. All members present voted aye. Motion was approved.

Savannah
May 3, 1993

A motion was made by Jimmy Whittington and seconded by Charlie Thompson that a contract be executed with Griggs and Maloney, Inc. subject to the above revisions in the amount of \$45,000 for basic services. All members present voted aye. Motion was approved.

In preparation of the grant application it was agreed that costs should be budgeted for additional meetings and for public relations as extra services to the consultant contract. These services are anticipated to cost in the range of \$13,000.

The next meeting date of the committee was set for 1:00pm on Monday, May 3, 1993 at the city hall in Savannah.

Meeting adjourned at 3:40pm.

APPROVED: Jim Garey
Jim Garey, Chairman

ATTESTED: Bob Polk
Bob Polk, Secretary/
Treasurer

SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

ATTENDANCE LIST

DATE: APRIL 8, 1993

NO.	NAME	COUNTY/ FIRM	PROXY*	TEL. NO.
✓ 1	Bob Polk	HARDIN		925-3300
✓ 2	Jim Harey	Hardin		925-3196
✓ 3	George Wallace	Wayne		724-4703
✓ 4	Edwin Rowland	CHESTER	ANTHONY Bolton	989-9136
✓ 5	JERRY King	CHESTER	EDDIE PATTERSON	989-4628
✓ 6	Edward F. MATHis	Wayne		722-5504
✓ 7	J.R. Strickland	Hardin		925-4602
✓ 8	Finley Pittman			632-4879
✓ 9	James B. Smith	Hardin		925-4736
✓ 10	Charles E. Ellis	McNairy		645-7409
✓ 11	DAN WARD	Adams Co		632-3338
✓ 12	Houston Thresher	McNairy Co		645-3472
✓ 13	MAURICE HAMM	McNairy Co.		645-6327
✓ 14	JIMMY WHITTINGTON	McNairy Co		645-3241
15	GENE L. HALEY	STATE OF TENN		(615) 532-0070
16	Joyce Dunlap	Tn Dept of Env/Cons		615-532-0075
17	Karel Reberak	SWTDD	(901)	668-7112
18	Bill Griggs	Griggs Maloney		615-895-8221
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*IF YOU ARE HOLDING A PROXY AND ARE REPRESENTING ANOTHER APPOINTEE PLEASE INDICATE NAME OF PERSON YOU ARE REPRESENTING AND PROVIDE PROXY TO SECRETARY.

SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

MEETING NOTICE

Meeting Time & Date: 1:00 PM, Monday, May 3, 1993

Location: Savannah City Hall

AGENDA

1. Call to Order
2. Welcome of Guests
3. Approval of Minutes of April 8, 1993 Meeting (Previously distributed)
4. Financial Report (See attached)
5. Discussion and possible action on planning grant application in the amount of \$80,000 (See attached)
6. Discussion of recycling and composting alternatives with consultant Bill Griggs
7. Other Matters
8. Adjourn

~~1. ATTENDS COUNTY COMMISSION MEETINGS~~

~~2. NEWS RELEASE~~

~~3. AGENDA FUTURE MEETINGS~~

~~4. LETTERS TO EXISTING MEMBERS~~

MINUTES OF MEETING

DATE: May 3, 1993

RE: Shiloh Regional Solid Waste Planning Committee

PARTICIPANTS: See attached Attendance List

ITEMS DISCUSSED:

The meeting was called to order by Chairman Jim Garey at 1:08 P.M. An attendance sheet was distributed for sign in of all participants. Proxies were received as included.

Welcome of guests Bill Griggs, Charlie Robinson, Tony Pegel with Griggs & Maloney, Inc. by Chairman Garey.

Minutes of April 8, 1993 meeting were approved. Financial report given by Treasurer Bob Polk (see enclosure).

Bill Griggs gave a report on effect of recent regulation changes at state level relative to existing landfills.

A review of budget for planning grant was undertaken based on the enclosed preliminary budget totalling \$80,000. General discussion ensued relative to this matter. Motion made to approve budget as presented. Approved unanimously.

Motion made to allow \$20 per diem rate for committee members (willing to accept it) per meeting, retroactive to inception of region. Approved unanimously.

Meeting was turned over to Bill Griggs for discussion of recycling and composting alternatives. Composting was discussed first with an agreement to consider this as a viable option in the planning process. Next, recycling was addressed and a handout was distributed. Charlie Robinson then addressed this matter in detail. A detailed discussion ensued on these matters with input from numerous committee members. Appears that best method for regional plan would be drop-off point system or minimal cost recycling effort.

Bill Griggs advised that his firm would be obtaining information on cost from private landfill operators such as BFI, Waste Management, etc.

Information was distributed on a draft "NEWS RELEASE" proposed by Bill Griggs for each county executive to consider publishing in their local newspaper.

Minutes - Shiloh Reg. Solid Waste
Page 2
May 3, 1993

Next meeting set for Monday, June 7, 1993 at 1:00 P.M. at City Hall
in Savannah.

Meeting adjourned at 2:47 P.M.

APPROVED: James M. Garey
Jim Garey, Chairman

ATTESTED: Bob Polk
Bob Polk, Secretary/Treasurer

SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

ATTENDANCE LIST

DATE: MAY 3, 1993

NO.	NAME	COUNTY/ FIRM	PROXY*	TEL. NO.
1	Bob Polk	HARDIN/SAVANNAH		925-3300
2	Kim Stricklin	HARDIN		5-9078
3	Jim Harey	"		925-3196
4	E. E. Mathis	Wayne/Clifton		722-5504
5	George Wallace	Wayne		
6	Tommy King	Chester		989-4628
7	Eddy Patterson	Chester		989-4628
8	Karel Bekarek	SWTDD		668-7112
9	James P. Amette	Hardin		925-4736
10	Richard Thomas	Hardin		632-4899
11	Bob Stricklin	"		925-4602
12	Bambi Maynard	SCTDD		380-2040
13	Anthony Dalton	Chester Co		989-5672
14	Charles P. Ellis	McNairy Co		645-7409
15	Robert F. Hayes	Wayne		724-5265
16	Stan G. Gaud	Wayne		632-3338
17	Jimmy Whittington	McNairy		645-3241
18	Houston Threshon	McNairy		645-3472
19	* Maurice HAMM	"		
20	Tommy PEGEL	GRIGGS & MALONEY		(615) 895-8221
21	Charlie Robinson	GRIGGS & Maloney		(615) 895-8221
22	Bill Griggs	GRIGGS & Maloney		(615) 895-8221
23	Edwin Rowland	Chester	WADE COX	989-9436
24				
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*IF YOU ARE HOLDING A PROXY AND ARE REPRESENTING ANOTHER APPOINTEE PLEASE INDICATE NAME OF PERSON YOU ARE REPRESENTING AND PROVIDE PROXY TO SECRETARY.

SHILOH REGIONAL WASTE PLANNING COMMITTEE
 CHESTER, HARDIN, MCNAIRY, WAYNE COUNTY

SHILOH

5-3-93

PART II:

1. Prepare an itemized budget using the suggested line items shown for costs associated with development of a solid waste management plan.

	Funds Requested	Grant Adjustment*	Total
Salaries and Benefits	\$ 12,000	\$	\$
Travel	5,000		
Printing, Duplicating	1,000		
Communications	2,500		
Consulting Services	58,000		
Supplies and Materials	1,000		
Miscellaneous** Audit	500		
TOTAL	\$ 80,000	\$	\$

*To be used for a grant amendment
 **Please identify on separate sheet

2. Provide name of the fiscal agent designated to receive and disburse grant funds for the planning region, if different from the applicant. Include a copy of the resolution which designates the fiscal agent, name of contact person, mailing address and telephone number.

Approved
 By SRSWC
 5/3/93
 Bob

SHILOH REGIONAL SOLID WASTE
PLANNING COMMITTEE
MEETING NOTICE

Meeting Time & Date: 1:00 P.M., Monday, June 7, 1993

Location: Savannah City Hall

Note: A recently adopted city policy prohibits smoking at city hall.

AGENDA

1. Call to Order
2. Welcome of Guests
3. Approval of Minutes of May 3, 1993 meeting (see attached)
4. Financial Report (Unchanged from 4/30/93 report)
5. Discussion of Solid Waste Plan by Bill Griggs specifically regarding the following:
 - a) Recycling
 - b) Composting
 - c) Waste Reduction
 - d) Collection
6. Status report on Planning Grant Application
7. Distribution of per diem forms to committee members
8. Discussion of interim financing of planning efforts by each county
9. Discussion of next meeting date
10. Other matters
11. Adjourn

RFP/laf
6/1/93

MINUTES OF MEETING

DATE: June 7, 1993

RE: Shiloh Regional Waste Planning Committee

PARTICIPANTS: See Attached Attendance List

ITEMS DISCUSSED:

The meeting was called to order by Chairman Jim Garey at 1:05 P.M. An attendance sheet was distributed for sign-in of all participants. Proxies received as included.

Welcome and reintroduction of Charlie Robinson and Tony Pegel with Griggs & Maloney, Inc. by Chairman Garey.

Minutes of May 3, 1993 meeting were approved. Financial report given by Treasurer Bob Polk (see enclosure).

Meeting was turned over to Bill Griggs of Griggs & Maloney, Inc. for discussion of solid waste planning. Bill asked that each county executive, specifically Hardin and McNairy, needs to respond to his letter of May 11, 1993 requesting information (see enclosure). Next, discussion ensued on subject of recycling and the draft copy of "CHAPTER 6 - Recycling". The following decisions were made relative to revisions of Chapter 6:

1. Eliminate regional solid waste recycling coordinator.
2. Eliminate regional recycling storage facility.

Composting was rediscussed and a decision was reached to encourage the public to purchase home use composters. Region would look for markets to obtain these and sell to public at wholesale.

Next, discussion of Waste Reduction and Collection was held with background given by Charlie Robinson of Griggs & Maloney, Inc. Convenience Center requirements were discussed. Chester County is currently spending about \$30,000 per center. An indepth discussion ensued on operation of convenience centers and cost of operations of convenience center versus house-to-house pickup.

Waste reduction was then reviewed. A handout was distributed showing an estimate of tons generated per year. Appears that estimates for Chester and Hardin County are low on waste generated. Information was given to Griggs & Maloney relative to actual Hardin County waste stream going to landfill.

It was agreed by the County Executives that Hardin County would provide interim financing for the planning grant, with other counties to pay reasonable interest rate.

S H 1204 6-7-93

A review of the invoice from Griggs & Maloney, Inc. for services rendered through April 30, 1993 was conducted. Payment of the invoice was approved in the amount of \$4,632.88.

It was agreed to publish notice of our regular meeting dates in the following:

Wayne County News
McNairy County Independent
Chester County Independent
Savannah Courier

The next meeting date was set for Monday, July 12, 1993 at 1:00 P.M. at City Hall in Savannah.

Adjourned at 2:56 P.M.

Approved: _____
Jim Garey, Chairman

Attested: _____
Bob Polk, Secretary/Treasurer

SHILOH REGIONAL SOLID WASTE
PLANNING COMMITTEE
MEETING NOTICE

Meeting Time & Date: 1:00 P.M., Monday, July 12, 1993

Location: Savannah City Hall

Note: A recently adopted city policy prohibits smoking at city hall.

AGENDA

1. Call to Order
2. Welcome of Guests
3. Approval of Minutes of June 7, 1993 meeting (see attached)
4. Financial Report (see attached)
5. Discussion of Solid Waste Plan by Bill Griggs, specifically regarding the following:
 - a) Waste Reduction
 - b) Collection
 - c) Disposal
 - d) Responsibilities
6. Status report on Planning Grant Application
7. Approval of Invoice #2 for Griggs & Maloney dated 5/31/93 in the amount of \$5,399.25
8. Approval of Amendment No. 1 to Engineering Agreement with Griggs & Maloney, Inc.
9. Next meeting date - August 2, 1993
10. Other matters
11. Adjourn

RFP/laf
7/6/93

MINUTES OF MEETING

DATE: July 12, 1993

RE: Shiloh Regional Solid Waste Planning Committee

PARTICIPANTS: See Attached List

ITEMS DISCUSSED:

The meeting was called to order by Chairman Jim Garey at 1:04 P.M. An attendance sheet was distributed for sign-in of all participants. Members that were absent include Anthony Bolton, Wade Cox, Eddie Patterson, Maurice Hamm, Ed Mathis and Sonny Corn. George Taylor was welcomed as a guest. Proxies received as included.

Minutes of June 7, 1993 meeting were approved. Financial report given by Treasurer Bob Polk (see enclosure). It was noted that McNairy County has outstanding dues of \$100 which remain unpaid.

Meeting was turned over to Bill Griggs of Griggs & Maloney, Inc. for discussion of solid waste planning. He reported that he still had not received required county resolutions and committee appointee information earlier requested from Hardin and McNairy Counties. Bill asked for guidance in obtaining more response on Industrial Solid Waste Survey that was sent out in May of 1993. Enclosed is a list of returned forms as of July 2, 1993. Each county executive advised that he would make individual contacts to attempt to obtain an increased response. Bill advised that a revised draft of certain chapters of the Solid Waste Plan would be distributed at the end of the meeting. Further revised copies of the waste reduction estimates will be distributed.

Bill reported that the State has clarified their position on the following issues:

1. It has been determined that elected officials can serve on the regional committee/board.
2. June, 1994 is revised deadline for completion of Plan.
3. Host County Fees: A host county can charge other counties a higher fee if they can justify them on the basis of identifying extra cost the host county incurs.
4. Full Cost Accounting: Bill will attempt to find out more information on how this impacts counties not operating landfills.

Bill also gave a general overview of the State's position on creating authorities, base year modification documentation, waste reduction, problem wastes, education, recycling coordinator, speakers bureau, convenience centers, and future amendments to solid waste act.

Next, Bill gave an overview of disposal facilities in region. McNairy County may have time remaining on their landfill. Chester County has a site identified that is in the process of being permitted.

Decatur County is constructing a new landfill and is quoting the following rates: \$22/ton baled waste, \$28/ton not baled waste.

Hardin County's landfill will be closing by early in 1994. Wayne County does not have a landfill.

Bill then advised of other sites that could be developed in the region. Geologically, Hardin and McNairy Counties have the potential for landfill development.

Next, a discussion ensued on whether to form an authority or not. Also, other alternatives were reviewed relative to responsibilities of counties or an authority.

Bob Polk advised that the Planning Grant was approved on June 23, 1993 in the amount of \$80,000.

The committee reviewed and approved Invoice #2 for Griggs & Maloney dated 5/31/93 in the amount of \$5,399.25 for payment by our fiscal agent (see enclosure).

The committee reviewed and approved Amendment No. 1 dated July 12, 1993 to Engineering Agreement with Griggs & Maloney, Inc. (see enclosure).

Next meeting date was set for Monday, August 2, 1993 at 1:00 P.M. at City Hall in Savannah.

Meeting was adjourned at 2:40 P.M.

APPROVED:

Jim Garey, Chairman

ATTESTED:

Bob Polk, Secretary/Treasurer

SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

ATTENDANCE LIST

DATE: JULY 12, 1993

NO.	NAME	COUNTY/ FIRM	PROXY*	TEL. NO.
1	Bob Polk	HARDIN/SAYANNAH		925-3300
2	Kim Struble	HARDIN		925-9073
3	TIM GAREY	HARDIN		925-3196
4	Bob Struble	HARDIN		925-4602
5	James B. Smith	HARDIN		925-4736
6	Charles Struble	HARDIN		632-4899
7	Edwin Rowland	CHESTER	Anthony Bolton	989-9436
8	Karel Pekarek	SWTDD		668-7112
9	Kimble Maynard	SC TDP		581-2040
10	James Coy Anderson	Wayne		722-3653
11	George C. Wallace	Wayne		724-4703
12	Robert F. Hayer	Wayne		722-9616
13	Houston Thistle	McHenry	William H. H. H.	645-3472
14	Jimmy Whittington	McHenry		645-3241
15	Charles Ellis	McHenry		645-7409
16	George E. Taylor Jr	Wayne		925-4530
17	Bill Gardner	McHenry		645-3844
18	Don Ward	McHenry		632-3338
19	Bill GRICKS	GRICKS & MARRAS		585-8221
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*IF YOU ARE HOLDING A PROXY AND ARE REPRESENTING ANOTHER APPOINTEE PLEASE INDICATE NAME OF PERSON YOU ARE REPRESENTING AND PROVIDE PROXY TO SECRETARY.

SHILOH REGIONAL SOLID WASTE
PLANNING COMMITTEE
MEETING NOTICE

Meeting Time & Date: 1:00 P.M., Monday, August 2, 1993

Location: Savannah City Hall

Note: A recently adopted city policy prohibits smoking at city hall.

AGENDA

1. Call to Order
2. Welcome of Guests
3. Approval of Minutes of July 12, 1993 meeting (see attached)
4. Financial Report (unchanged from last meeting)
5. Discussion of Solid Waste Plan by Bill Griggs, specifically regarding the following:
 - a) Review of Disposal and Responsibilities
 - b) Public Education
 - c) Problem Wastes
6. Approval of Invoice #3 for Griggs & Maloney dated 6/30/93 in the amount of \$6,017.86.
7. Next meeting date - September 13, 1993 (Note: September 6, 1993 is Labor Day)
8. Other matters
9. Adjourn

RFP/laf
7/27/93

MINUTES OF MEETING

DATE: August 2, 1993

RE: Shiloh Regional Solid Waste Planning Committee

PARTICIPANTS: See Attached List.

Members Absent - Eddie Patterson, Charles Ellis
Sonny Corn, Wade Cox

ITEMS DISCUSSED:

The meeting was called to order by Chairman Jim Garey at 1:08 P.M. An attendance sheet was distributed for sign-in of all attendees. Proxies received as included. Guests to the meeting were welcomed by Chairman Garey and included Sean Aldridge, President of Profill Development, Inc., and his associate. Bill Griggs noted that he had received resolution and committee appointee information requested from Hardin County. This information is still needed from McNairy County. Minutes of July 12, 1993 meeting were approved. Financial report remained unchanged from last month. It was noted that McNairy County has outstanding dues of \$100, which remain unpaid.

Meeting was turned over to Bill Griggs of Griggs & Maloney, Inc. for discussion of solid waste planning. Bill advised the committee of an upcoming RECYCLING CONGRESS to be held in Nashville, Tennessee on October 11-14, 1993. Bill encouraged each county to send a representative to the conference. Bill handed out a memo dated 7/30/93 answering certain questions posed at the last committee meeting. Discussion of this memo followed. Bill then advised that Profill Development, Inc. is in the process of permitting a landfill in Fayette County, Tennessee, which may provide an option to the region for future disposal. For short-term disposal considerations, Bill advised that McNairy County may be in a position to accept solid waste from the region. McNairy County has a meeting scheduled for August 9, 1993 to decide if McNairy County desires to accept solid waste from Hardin, Wayne and Chester Counties.

Bill turned meeting over to Tony Pegel for discussion of Problem Wastes. Some of the issues reviewed included handling and storage of tires, oil, batteries and household hazard waste, i.e. pesticides, paints, etc. Relative to household hazard waste, the State is going to implement a program for disposal. A representative with the State will be at the October meeting to give an overview of this program.

Next, Bill Griggs discussed the public education process.

The committee reviewed and approved Invoice #3 for Griggs and Maloney, dated June 30, 1993 in the amount of \$6,017.86 for payment by our fiscal agent (see enclosure).

S. 11104
8-2-93

Because of the Labor Day holiday, the next meeting date was set for Monday, September 13, 1993 at 1:00 P.M. at City Hall in Savannah.

Bob Polk gave an update on a seminar conducted by UT-CIS for industrial waste reduction in July of 1993. The seminar was very worthwhile and is highly recommended.

Meeting adjourned at 2:26 P.M.

APPROVED: _____
Jim Garey, Chairman

ATTESTED: _____
Bob Polk, Secretary/Treasurer

RFP/laf
8/2/93

SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

ATTENDANCE LIST

DATE: AUGUST 2, 1993

NO.	NAME	COUNTY/ FIRM	PROXY*	TEL. NO.
1	Tom Strickler	Tarden		925-9098
✓ 2	Sam Harey	Haroldia/Sav.		925-3496
✓ 3	Edward E. Mathis	Waynes Clifton		722-5324
4	Jerry King	Chester	Eddie Patterson	989-4628
✓ 5	W. H. Strickler	Haroldia		925-4667
✓ 6	James B. Smith	Haroldia		925-4736
✓ 7	Charles Champion	"		632-4899
8	Karel Keravik	SWTDD		668-7112
9	Kimble Maynard	SCTDA		381-2040
✓ 10	George Wallace	Wayne		724-4703
● 11	Robert F. Hays	Wayne		722-4616
12	Foster Phaske	NE/Key	Charles Ellis	645-3472
✓ 13	Wilma Jean Hamm	M. Naufey		645-6327
✓ 14	Jimmy Williams	Metony		645-7521
✓ 15	Sam Wilson	"		632-3338
16	Tony Dezel	GRIGGS & MARLOWE		615-885-8221
17	Bill G. G. G.	"		"
✓ 18	Bob Polk	HAROLDIA/SAVANNAH		925-3300
✓ 19	Lucy Jeff	Chester		989-5622
20	Blair H. H.	Haroldia		853-4541
21	Tom H.	TRIFILL		607-8915
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*IF YOU ARE HOLDING A PROXY AND ARE REPRESENTING ANOTHER APPOINTEE PLEASE INDICATE NAME OF PERSON YOU ARE REPRESENTING AND PROVIDE PROXY TO SECRETARY.



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

401 Church Street
Nashville, Tennessee 37243

August 27, 1993

Mr. Bob Polk
Savannah City Manager
1020 Main Street
Savannah, TN 38372

Re: Training Module

Dear Mr. Polk:

On Monday, September 13, 1993 at the Savannah City Hall at 1 p.m. , two training modules have been scheduled for the Shiloh Solid Waste Regional Solid Waste Board members. The following topics will be discussed:

Unit I: Collection and Transportation
by Lewis Bumpus, UT County Technical Assistance Service

Unit IV: Public Outreach, Involvement and Participation
by Edith Heller, State Coordinator of Clean Tennessee

Please contact the solid waste workshop coordinator, Elizabeth Blackstone, at (615)532-0091 if there are any questions or any changes that may occur. We are looking forward to working with you and answering your questions. I appreciate your efforts to complete this planning process.

Sincerely,

Paul Evan Davis, Director
Division of Solid Waste Assistance

PED:EB:dhm

cc: The Honorable Kim Stricklin, Hardin County Executive
The Honorable Houston Trasher, McNairy County Executive
The Honorable Coy Anderson, Wayne County Executive
The Honorable Anthony Bolton, Chester County Executive
Dr. Ruth Neff, State Planning Office
Karen Gilbert, South Central Tennessee Development District
Karel Pekarek, Southwest Tennessee Development District
Edith Heller, Clean Tennessee

9-11-93

SHILOH REGIONAL SOLID WASTE
PLANNING COMMITTEE
MEETING NOTICE

Meeting Time & Date: 1:00 P.M., Monday, September 13, 1993

Location: Savannah City Hall

AGENDA

1. Call to Order
2. Welcome of Guest
3. Approval of Minutes of August 2, 1993 meeting (see attached)
4. Financial Report (see attached)
5. Distribution of "Draft" Solid Waste Plan by Bill Griggs
6. Approval of Invoice #2848 for Griggs & Maloney dated 7/31/93 in the amount of \$3,684.22.
7. Presentation by State of Tennessee - Department of Environment and Conservation on two solid waste topics of importance (see attached)
8. Next meeting date - October 4, 1993
9. Other matters
10. Adjourn

RFP/dwl

MINUTES OF MEETING

Date: September 13, 1993

Re: Shiloh Regional Solid Waste
Planning Committee

Participants: See Attached List
Members Absent: Wade Cox
Eddie Patterson
J.B. Stricklin
Sonny Corn

Items Discussed:

The meeting was called to order by Chairman Jim Garey at 1:03 p.m. An attendance sheet was distributed for sign in of all attendees. Proxies received as included. Guest to the meeting were welcomed by Chairman Garey with the introduction of Wayne Stanley, Hardin County Solid Waste Coordinator being made.

Chairman Garey made mention of upcoming Solid Waste Conference in Nashville, Tennessee in October 1993. Motion made by Houston Thrasher and seconded by Anthony Bolton to authorize a maximum of 4 committee members or their representatives to attend the conference to be reimbursed by the Region. All aye.

The minutes of the August 2, 1993 meeting were approved and the Financial Report accepted. Motion made by Charlie Thompson seconded by George Wallace to approve payment of invoice no.2848 for Griggs and Maloney dated 7/31/93 in the amount of \$3,684.22. All aye.

Next Chairman Garey introduced Mike Stooksberry with UT-CTAS, Lewis Bumpus with UT-CTAS, and Edith Heller the State Coordinator of Clean Tennessee and turned meeting over to Lewis Bumpus for a presentation on Solid Waste Collection and Transportation. Questions and answers and general discussion followed.

Break taken at 2:17 p.m.
Meeting reconvened at 2:30 p.m.

Meeting was turned over to Edith Heller for a presentation on Public Outreach, Involvement and Participation.

Next Bill Griggs discussed progress being made on Solid Waste Plan. Copies of the Draft plan were distributed. Items to be included on next months agenda include: 1)Goals 2)Budgets 3)Flow Control 4)Advisory Committees.

S H 1207
4-2-43

Meeting adjourned at 3:40 p.m.

Approved:

Jim Garey, Chairman

Attested:

Bob Polk, Secretary/Treasurer

SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

ATTENDANCE LIST

DATE: SEPTEMBER 13, 1993

NO.	NAME	COUNTY/ FIRM	PROXY*	TEL. NO.
1	Bob Polk	HARDIN/BJANUKY		925-3300
2	Kim Stricklin	Hardin Co		925-9078
3	Gene Forrest	Hardin Co.		925-3196
4	Edward E. Mathew	Wayne Co		722-5884
5	George C. Wallace	Wayne Co		794-4703
6	Edith W. Heller	Cled Tenn/MSU		675-4101
7	James B. Smith	Hardin		925-4736
8	Charles Thompson	"		622-4899
9	William D. Brown	Chickasaw		989-5672
10	James C. Anderson	Wayne Co.		722-3653
11	Kimble Maynard	SCTDP		381-2040
12	P. M. ...	UT-PTAC		597-7077
13
14	Maurice Hamm	McNairy		645-6337
15	Charles E. Ellis	McNairy		145-7489
16	Houston Threlkett	" "		645-3472
17	Timothy ...	Selmer		645-6591
18	D.W. ...	Adamsville		632-3338
19	Bob Graham	ADAMSVILLE		632-4214
20	Wayne Stanley	Hardin		925-9078
21				
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*IF YOU ARE HOLDING A PROXY AND ARE REPRESENTING ANOTHER APPOINTEE PLEASE INDICATE NAME OF PERSON YOU ARE REPRESENTING AND PROVIDE PROXY TO SECRETARY.

SHILOH REGIONAL SOLID WASTE
PLANNING COMMITTEE
MEETING NOTICE

Meeting Time & Date: 1:00 P.M., Monday, October 4, 1993

Location: Savannah City Hall

AGENDA

1. Call to Order
2. Welcome of Guests
3. Approval of Minutes of September 13, 1993 meeting (see attached)
4. Financial Report (to be distributed at meeting)
5. Approval of Invoice for Griggs & Maloney (to be distributed at meeting)
6. Discussion of Draft Report to be led by Bill Griggs and to include the following:
 - 1) Goals
 - 2) Budgets
 - 3) Flow Control
 - 4) Advisory Committees
7. Next meeting date - November 1, 1993
8. Other matters
9. Adjourn

RFP/dwl

MINUTES OF MEETING

DATE: October 4, 1993

RE: Shiloh Regional Solid Waste Planning Committee

PARTICIPANTS: See Attached List

Members Absent: Wade Cox, Eddie Patterson,
Dan Ward, Sonny Corn, &
Charles Ellis

ITEMS DISCUSSED:

The meeting was called to order by Chairman Jim Garey at 1:10 P.M. An attendance sheet was distributed for sign in of all attendees. Proxies received as included. Chairman Garey introduced a guest, Mr. Robert Vandiver, City Manager from Collinwood.

Minutes of the September 13, 1993 meeting were approved as written. Motion by Anthony Bolton, seconded by Charlie Thompson. All ayes.

The financial report dated September 30, 1993 was approved as submitted. Motion by Edward Mathis and seconded by Anthony Bolton. All ayes.

Griggs and Maloney's invoice number 23701, in the amount of \$2,485.69, dated August 31, 1993 was approved. Motion made by Charlie Thompson and seconded by J.B. Stricklin. All ayes.

Next the meeting was turned over to Bill Griggs for discussion of the status of the Solid Waste Plan. A schedule of public meetings and meetings with commissions was discussed with tentative dates as follows:

<u>Location</u>	<u>Date</u>	<u>Time</u>
Hardin County - PH	10/14/93	5:00 P.M.
Hardin County Commission	10/18/93	6:00 P.M.
Wayne County - PH	10/18/93	6:00 P.M.
Wayne County Commission	10/18/93	7:00 P.M.
Chester County - PH	10/19/93	7:00 P.M.
Adamsville Commission	11/08/93	6:00 P.M.
McNairy County Commission & PH	11/08/93	7:00 P.M.

The committee discussed budgeting for next year, the merits of forming an authority, flow control and advisory committees.

General discussion ensued on advisory committee with the persons on the committee representing the following areas:

- a) Recycling Industry
- b) Business Interests

5-11-93
10-4-93

- c) Environmental Concerns
- d) Education
- e) Citizens At Large

Preliminary discussions indicated that a committee with 10 members would be reasonable. It was the consensus of the group to consider this matter for action at the next meeting.

Meeting adjourned at 2:20 P.M.

Approved: _____
Jim Garey, Chairman

Attested: _____
Bob Polk, Secretary/Treasurer

RFP/laf
10/4/93

SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

ATTENDANCE LIST

DATE: OCTOBER 4, 1993

NO.	NAME	COUNTY/ FIRM	PROXY*	TEL. NO.
①	Bob Polk	HARDIN		925-3300
②	Edwin Rowland	Chesler Co.	WADE COX	989-9436
③	Anthony Polk	Chesler		989-5622
④	Robert M. Lind	HARDIN		925-4602
⑤	James B. Smith	HARDIN		925-4736
⑥	Karel Rakost	SWTDD		668-7112
⑦	Nancy Whittington	McNairy		645-3241
⑧	Robert M. Lind	Collinswood - Wayne Co.		724-9107
⑨	George Wallace	Collinswood Wayne		724-4703
⑩	Robert F. Hayes	Wayne		728-9616
⑪	James Cox Anderson	"		722-3653
⑫	Maurice Hamm	McNairy		645-3124
⑬	Houston Thrasher	"	Theresa Ellis	645-3472
⑭	Mike Strickland	UT-NTAS		901-587-7077
⑮	Bob Graham	BOATSVILLE	DAN WARD	633-4214
⑯	Wayne Stanley	Hardin Co		925-9078
⑰	Bill GRIGGS	GRIGGS & MONEY		895-8221
⑱	Jim Galey	HARDIN		925-3196
⑲	Tom Strickland	HARDIN Co		925-9078
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*IF YOU ARE HOLDING A PROXY AND ARE REPRESENTING ANOTHER APPOINTEE PLEASE INDICATE NAME OF PERSON YOU ARE REPRESENTING AND PROVIDE PROX. TO SECRETARY.

SHILOH REGIONAL SOLID WASTE
PLANNING COMMITTEE
MEETING NOTICE

Meeting Time & Date: 1:00 P.M., Monday, November 1, 1993

Location: Savannah City Hall

AGENDA

1. Call to Order
2. Welcome of Guests
3. Approval of Minutes of October 4, 1993 meeting (see attached)
4. Financial Report
 - a. Committee by Bob Polk (see attached)
 - b. Region's Grant by Kim Stricklin
5. Approval of Invoice No. 23701 for Griggs & Maloney dated September 30, 1993 in the amount of \$5,310.18. (see attached).
6. Discussion of status of Solid Waste Plan to be led by Bill Griggs and to include the following:
 - 1.) Citizen's Advisory Committee (see attached)
 - 2.) Visits to Existing Solid Waste Regions (see attached)
7. Next meeting date - December 6, 1993
8. Other matters
9. Adjourn

RFP/dwl

11-5-93

MINUTES OF MEETING

DATE: November 1, 1993

RE: Shiloh Regional Solid Waste Planning Committee

PARTICIPANTS: See Attached List

Members Absent: Ed Mathis, Anthony Bolton,
Sonny Corn, Charles Ellis,
Wade Cox

ITEMS DISCUSSED:

The meeting was called to order by Chairman Jim Garey at 1:07 P.M. An attendance sheet was distributed for sign in of all attendees. Proxies received as included. Chairman Garey introduced a guest, Mr. Herman Mitchell, Solid Waste Coordinator for McNairy County.

Minutes of October 4, 1993 meeting were approved as written. Motion by Jimmy Whittington, seconded by George Wallace. All ayes.

The financial report for the committee dated October 31, 1993 showing expenses to date of \$2,563.38 and income to date of \$3,157.38 with a checking account balance of \$594.00 was accepted as submitted. A report was given on the financial status of the region's grant, showing year-to-date expenditures of \$25,937.28.

Griggs and Maloney's invoice number 2944 dated September 30, 1993 in the amount of \$5,310.18 was approved. Motion made by Charles Thompson and seconded by J.B. Stricklin. All ayes.

Next, meeting was turned over to Bill Griggs for review of items of interest. A discussion ensued on trips to visit other regions. Dates set for meetings were November 16, 1993 and November 18, 1993 with November 19, 1993 as an alternate date to travel to Fayetteville and to Tupelo. Bill will set up meetings and send letter confirming dates to all committee members.

Discussion ensued on Citizen's Advisory Committee with Bill explaining the function of the committee. Final decision delayed until next month's meeting. A potential list of appointees is as follows:

Potential Citizen's
Advisory Committee

201-1-14
11-1-93

<u>County</u>	<u>Appointee</u>
Wayne	Steve Kubek - Env. Shayne Ward - Citizen
Hardin	Not yet determined
McNairy	Cathy Bomar - Citizen James Smith - Bus. & Recy. Maurice Hamm - Env. Bob Graham - Recy.
Chester	Not yet determined

Bill then advised the Committee of an EPA grant program for education and training.

Motion made by J.B. Stricklin and seconded by George Wallace to authorize Griggs & Maloney to prepare applications for EPA grant funds for education and training with Chairman Jim Garey also being authorized to execute all necessary documents on behalf of the region. All ayes.

Draft No. 2 of the Solid Waste Plan was distributed to the committee members for review and comment. Bill proceeded to present an overview of the report to the committee.

Next meeting of region will be at 1:00 P.M. on Monday, December 6, 1993.

Meeting adjourned at 2:32 P.M.

Approved: Jim Garey
Jim Garey, Chairman

Attested: Bob Polk
Bob Polk, Secretary/Treasurer

RFP/laf
11/1/93

SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

ATTENDANCE LIST

DATE: NOVEMBER 1, 1993

NO.	NAME	COUNTY/ FIRM	PROXY*	TEL. NO.
1	Don Strickler	Hardin		
X 2	Jim Hoxey	Hardin/Sai		925-3196
X 3	George Wallace	Wayne		724-4703
X 4	Jo Strickens	McK.../...		725-4622
X 5	James B. Smith	Franklin		525-9738
X 6	Ela Belknap	"		622-7897
7	Karel Kasek	SWTDD		668-7117
8	Pony King	Chater		989-4628
X 9	Patty Hartman	Chater		989-4628
10	Herman Mitchell	McNary		645-5909
11	Houston TPA-...	McNary		645-3472
X 12	Maurice Hamm	777-7244		645-3124
13	Michael ...	UT-CRIS		587-5245
X 14	Wm ...	McNary		645-3241
X 15	Lab ...	McNary		632-3380
16	Sen ...	McNary		632-4314
17	Bill ...	6216650 ...		895-6221
X 18	Bob Polk	HARDIN		925-3300
19	Wayne ...	Hardin		925-9078
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*IF YOU ARE HOLDING A PROXY AND ARE REPRESENTING ANOTHER APPOINTEE PLEASE INDICATE NAME OF PERSON YOU ARE REPRESENTING AND PROVIDE PROX TO SECRETARY.

Monday, November 1, 1993

TO WHOM IT MAY CONCERN:

I, Edward E. Mathis, hereby appoint George Wallace to serve as my proxy during the meeting of the Shiloh Regional Solid Waste Committee on this date. This proxy hereby entitles Mr. Hayes to vote on all the matters coming before the committee and to make nominations to the Advisory Board in my absence.

Thank you,



Edward E. Mathis
Vice Chairman

NOMINATIONS TO THE ADVISORY COMMITTEE FROM WAYNE COUNTY:

Steve Kubek---Environmental

Shayne Ward---Private Citizen

COBY

GRIGGS & MALONEY

INCORPORATED

Engineering & Environmental Consulting

P.O. Box 2968
Murfreesboro, TN 37133 268
(615) 895-8221
Fax: (615) 895-0632

October 19, 1993

Mr. Bob Polk
City Manager
1020 Main Street
Savannah, Tennessee 38372

Re: Shiloh Solid Waste Region
237-01

Dear Bob,

At the last meeting, I was asked to set up a visit to an existing solid waste region. Jim Garey later asked me to set up two. I have made the following appointments for us. Please place this on the agenda for the next regional meeting. I told both groups to expect 10 to 15 of us.

November 9, 1993

11:00 AM

Mr. Lynn Wampler, Fayetteville City Recorder
(615) 433-6154

Region consisting of Giles County, Lincoln County, Franklin County, and City of Tullahoma
Meeting in Lynn's office at Fayetteville City Hall

November 10, 1993

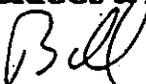
11:00 AM

Three Rivers Solid Waste Authority (Mississippi)

Mr. Ronnie Bell, Lee County Executive and Authority Chairman
(601) 841-9110

Tupelo, Mississippi, Take Highway 45 to Tupelo, Front Street Exit, Turn right at second light, go 2 blocks, office in Lee County Justice Center, across from old courthouse

Sincerely,
GRIGGS & MALONEY, INC.


William E. Griggs, P. E.
Principal

RECEIVED
OCT 21 1993

Ans'd.....

11/1/93
Reschedule mtgs.
to 11/16 5:11/11

GRIGGS & MALONEY

I N C O R P O R A T E D

Engineering & Environmental Consulting

P.O. Box 2968
Murfreesboro, TN 37133-2968
(615) 895-8221
Fax: (615) 895-0632

October 7, 1993

RECEIVED
OCT 12 1993
Ans'd.....

Mr. Bob Polk
City Manager
1020 Main Street
Savannah, TN 38372

RE: Shiloh Regional Solid Waste Planning Committee
237-01

Dear Bob,

As we discussed at the last meeting, I would like to discuss the required Citizen's Advisory Committee at the November meeting. We are required to have at least 5 private citizens on the committee. I suggest that we try to appoint 10 since we have a large region. The requirements of the committee are:

- ✓ Executive Board of Planning Committee
- ✓ One person representing recycling industry
- ✓ One person representing business interests
- ✓ One person representing environmental concerns
- ✓ One person involved in education
- ✓ One citizen at large

Sincerely,
GRIGGS & MALONEY, INC.

Bill

William E. Griggs, P.E.
Principal

WEG/rsp

SHILOH REGIONAL SOLID WASTE
PLANNING COMMITTEE
MEETING NOTICE

Meeting Time & Date: 1:00 P.M., Monday, December 6, 1993

Location: Savannah City Hall

AGENDA

1. Call to Order
2. Welcome of Guests
3. Approval of Minutes of November 1, 1993 meeting (see attached)
4. Financial Report
 - a. Committee by Bob Polk (see attached)
 - b. Region's Grant by Kim Stricklin
5. Approval of Invoice No. 2995 for Griggs & Maloney dated October 31, 1993 in the amount of \$7,567.55 (see attached).
6. Discussion of status of Solid Waste Plan to be led by Bill Griggs and to include the following:
 - 1) Citizen's Advisory Committee
 - 2) Pros and Cons on forming a Solid Waste Authority (see attachment)
 - 3) Review of Estimated Budgets and Cost for Implementation of Plan
 - 4) Consideration of Approval of Plan
7. Next meeting date - January 3, 1994
8. Other matters
9. Adjourn

RFP/laf

MINUTES OF MEETING

DATE: December 6, 1993

RE: Shiloh Regional Solid Waste Planning Committee

PARTICIPANTS: See Attached List

Members Absent: Anthony Bolton, Sonny Corn,
Wade Cox

ITEMS DISCUSSED:

Meeting called to order by Chairman Garey at 1:05 P.M. Chairman Garey advised that County Executive Anthony Bolton was in hospital in Jackson, Tennessee. Chairman Garey also reviewed status of EPA grant request and advised committee of recent tours of other solid waste regions.

Minutes of November 1, 1993 were approved as submitted. All ayes.

Financial report for committee was given by Bob Polk showing a balance in checking account of \$466.10 through November 30, 1993 and was approved. All ayes.

Griggs and Maloney's invoice number 2995 for \$7,567.55 dated October 31, 1993 was approved for payment. All ayes.

Next, meeting was turned over to Bill Griggs for review of items of interest.

Motion made by Bob Polk and seconded by Dan Ward to appoint the following as members of the Region's Solid Waste Advisory Committee:

Wayne Stanley
Robert Hayes
Herman Mitchell
Edwin Rowland

All ayes.

Bill advised that due to inability to meet with County Executives prior to today's meeting, that a discussion of operating budgets for implementation of the Solid Waste Plan and thus consideration of approval of the Plan would be delayed until our next meeting.

Next, a discussion ensued on merits of forming a Solid Waste Authority. A review of TCA 68-211-901 regarding Solid Waste Authority Act of 1991 was lead by Bill Griggs.

It was agreed that Bill Griggs and Bob Polk prepare a draft document on creation of an authority for review by committee.

S. Wilson 12-6-93

Next meeting of region will be at 1:00 P.M. on Monday, January 10, 1993.

Meeting adjourned at 2:42 P.M.

Approved: _____
Jim Garey, Chairman

Attested: _____
Bob Polk, Secretary/Treasurer

RFP/laf
12/6/93

SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

ATTENDANCE LIST

DATE: DECEMBER 6, 1993

NO.	NAME	COUNTY/ FIRM	PROXY*	TEL. NO.
✓ 1	Jim H. Casey	Wayne		725-5112
✓ 2	Edward E. Matthews	Wayne - Dutton		722-5504
3	Edwin Rowland	Wayne	Anthony Ballou	722-5451
4	JERRY KING	CHESTER		989-4628
✓ 5	Edgar Peterson	CHESTER		989-4628
✓ 6	James B. Smith	Wayne		925-4734
✓ 7	Richard Peterson	Wayne		632-4897
✓ 8	2551-2551	Wayne		925-1622
9	Karel Pekarek	SWTSD		668-7112
10	Kirk Mays	SCTDA		381-2040
11	Ray Anderson	Wayne		722-3653
✓ 12	George Wallace	Wayne		794-4703
13	Sharon Mitchell	McNairy		645-5909
14	Heather Throter			645-3472
✓ 15	Maurice Hamm	McNairy		645-3124
✓ 16	Charles - Bales	McNairy		645-7409
✓ 17	Jimmy Whitton	McNairy		645-3241
18	William White	UT-COAS		587-5245
✓ 19	Don Ward	McNairy		682-2338
20	Bob Kahan	McNairy		632-4214
21	Bill Griggs	Griggs Agency		895-8221
✓ 22	Bob Palko	RTSD		925-3300
23	Wayne Stanley	Wayne		925-9078
24	Tim Staichler	Wayne		925-9078
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*IF YOU ARE HOLDING A PROXY AND ARE REPRESENTING ANOTHER APPOINTEE PLEASE INDICATE NAME OF PERSON YOU ARE REPRESENTING AND PROVIDE PROXY TO SECRETARY.

SHILOH-SHILOHRSWPC
11/30/93

CASH FLOW REPORT
1/ 1/93 Through 11/30/93

5 11-87
12-93

Category Description	1/ 1/93- 11/30/93

INFLOWS	
CHESTER CO.	150.00
HARDIN CO.	250.00
McNAIRY CO.	100.00
Other Income	2,507.38
WAYNE COUNTY	150.00

TOTAL INFLOWS	3,157.38
OUTFLOWS	
Advertising	42.78
MEALS	365.08
Office Expenses	69.31
POSTAGE	73.42
Travel Expenses	2,076.69
Outflows - Other	64.00

TOTAL OUTFLOWS	2,691.28
OVERALL TOTAL	----- 466.10 =====

GRIGGS & MALONEY

INCORPORATED

Engineering & Environmental Consulting

P.O. Box 2968
Murfreesboro, TN 37133-2968
(615) 895-8221
Fax: (615) 895-0632

December 15, 1993

Mr. Jim Garey, Chairman
Shiloh Solid Waste Planning Committee
906 Poplar Street
Savannah, Tennessee 38372

Re: Ten Year Municipal Solid Waste Plan, Part III-Appendices
Project # 237-01

Dear Mr. Garey,

Part III-Appendices of the referenced plan requires various articles which will require the assistance of the committee members. This section consists mainly of paperwork substantiating the proper formation and operation of the planning committee. The needed papers include such items as the county resolutions adopted by the commissions establishing the region and a copy of the appointment letter for each committee member. A complete list of the required documents is included on a separate sheet.

A few of the items have already been received and are shown as such on the enclosed list. Some of the remaining items may be available to you personally but many will require the committee members' cooperation. It would be helpful if you could bring up the subject of these items at the next planning meeting. You may also wish to give a copy of the list to each committee member at that time.

I appreciate any help you can give in helping acquire these items. If you have any questions or I can aid you in any way, feel free to call me at (615) 895-8221.

Sincerely,
Griggs & Maloney, Inc.



Anthony F. Pegel, E.I.T.
Environmental Engineer

SHILOH 12-6-93

Shiloh Solid Waste Planning Region

Part III Required Documents

1. Certified copy of the resolution adopted by each county commission, establishing the region.*
2. Copy of the appointment letter for each member and a record of their confirmation (resolution or minutes) by the appropriate legislative body.
3. List of the Advisory Committee members with the interest they represent and the term of office.

* Wayne and Hardin County resolutions establishing the region have been received.

City of Savannah

Mayor
JACK D. CHERRY, JR
Vice Mayor
JAMES M. GAREY
Commissioners
NANCY DAVIS
JOHN E. ALEXANDER
LARRY A. CARROLL

1020 MAIN STREET • SAVANNAH, TENNESSEE 38372
PHONE (901) 925-3300

City Manager
ROBERT F. POLK
City Recorder
WILLIAM P. FOX, JR.
City Attorney
JAMES A. HOPPER

12/9/93

Mr. Lynn Wampler
City Administrator
City of Fayetteville
P.O. Box 13
Fayetteville, TN 37334

Dear Lynn:

This is to confirm that you will attend the next meeting of our Solid Waste Planning Region scheduled for 1:00 p.m. on Monday, January 10, 1993 at the Savannah City Hall. We are glad that you will be bringing A.J. Williams and Leslie Shector who have been active in your authority.

Please come early and join Vice Mayor Jim Garey and me for lunch if possible.

We appreciate your willingness to attend our meeting and to share your experience relative to a Solid Waste Authority. Our region will reimburse you for all travel related expenses.

I look forward to seeing you in January. Hope you have a Merry Christmas and Happy New Year.

Very truly yours,



Bob Polk
City Manager

BP/dwl

cc: Jim Garey



SHILOH REGIONAL SOLID WASTE
PLANNING COMMITTEE
MEETING NOTICE

Meeting Time & Date: 1:00 P.M., Monday, January 10, 1994

Location: Savannah City Hall

AGENDA

1. Call to Order
2. Welcome of Guests
3. Discussion of forming a Solid Waste Authority led by Lynn Wampler
4. Approval of Minutes of December 6, 1993 meeting (see attached)
5. Financial Report
 - a. Committee by Bob Polk. Unchanged since last report
 - b. Region's Grant by Kim Stricklin
6. Approval of Invoice Nos. 3034, 3035, 2989 and 3036 for Griggs & Maloney dated November 30, 1993 in the amount of \$11,304.34 (see attached)
7. Reference Griggs and Maloney letter dated December 15, 1993 (enclosed) outlining information needed to complete Solid Waste Plan.
8. Next meeting date - February 7, 1994
9. Other matters
10. Adjourn

RFP/laf
1/4/94

MINUTES OF MEETING

DATE: January 10, 1994

RE: Shiloh Regional Solid Waste Planning Committee

PARTICIPANTS: See Attached List

Members Absent: Anthony Bolton, Sonny Corn,
Maurice Hamm, Wade Cox,
Eddie Patterson, George Wallace

Meeting called to order by Chairman Garey at 1:10 P.M.

Next, Chairman Garey introduced A.J. Williams,, County Commissioner for Lincoln County, and Lynn Wampler, City Administrator for Fayetteville. Both are involved in the solid waste authority in that area of Middle Tennessee.

Lynn Wampler then addressed the committee regarding their formation of a solid waste authority and the pros and cons of an authority. Lynn also addressed questions posed by the committee members.

Minutes of meeting dated December 6, 1993 were approved as submitted. All ayes.

Financial report for committee through November 30, 1993 was accepted as written.

Motion made by Charles Ellis, seconded by Dan Ward, to approve Griggs and Maloney Invoice Nos. 3034, 3035, 2989 and 3036 dated November 30, 1993 in the amount of \$11,304.34. All ayes.

The committee reviewed Griggs and Maloney letter dated December 15, 1993, outlining information needed to complete Solid Waste Plan. This information should be sent to Bill by the end of January, 1994 if at all possible.

Motion made by Charlie Thompson to approve 10 year Solid Waste Plan for the Shiloh Region, with second by Dan Ward. All ayes.

Motion made by Ed Mathis and seconded by Charles Ellis to approve Amendment No. 2, dated January 10, 1994, to Griggs and Maloney, Inc. increasing the fee by \$13,000 to a total fee not to exceed \$58,000 (copy enclosed). All ayes.

Next, Bill distributed copies of documents relative to forming an authority to each committee member. Bill then lead a review and discussion of these documents.

Next meeting scheduled for Monday, February 14, 1994 at 1:00 P.M., at location to be determined.

Meeting adjourned 4:00 P.M.

APPROVED: _____
Jim Garey, Chairman

ATTESTED: _____
Bob Polk, Secretary/Treasurer

RFP/laf
1/11/94

SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

ATTENDANCE LIST

DATE: JANUARY 10, 1994

NO.	NAME	COUNTY/ FIRM	PROXY*	TEL. NO.
✓ 1	Bob Folk	HARDIN		925-3300
✓ 2	Bill Hickey	"		925-3176
3	John King	Chester	Eddie Patterson	989-4628
4	Walter Starnes	Hardin		925-9078
✓ 5	Bob Strickland	Hardin		925-4602
✓ 6	James B. Smith	Hardin		925-4736
✓ 7	Charles Thomas	Hardin		652-4877
8	Karel Rezek	SUTPD		668-7112
9	Kenneth Maynard	SCTPD		381-2040
✓ 10	Charles Ellis	McNairy		645-7409
11	Robert P. Ryan	Wayne		722-9616
12	Houston Thibodeau	McNairy	M Hank	645-3472
13	Hermon Mitchell	McNairy		645-5909
✓ 14	JIMMY WHITTINGTON	McNairy		645-3241
✓ 15	DAN GARD	ABERDEEN		632-3338
16	Michael Haskins	UT-CIAS		587-7077
17	Bill GRIGGS	GRIGGS & COMPANY		895-8221
18	Don Stricklin	Hardin		925-9078
19	Lynn Wampler	Fayetteville	615-	433-6154
20	A.J. Williams	Lindsay Co.		
✓ 21	Ed MATHIS	WAYNE-CURTAN		722-5504
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*IF YOU ARE HOLDING A PROXY AND ARE REPRESENTING ANOTHER APPOINTEE PLEASE INDICATE NAME OF PERSON YOU ARE REPRESENTING AND PROVIDE PROXY TO SECRETARY.

54204 Jan 10, 1994

VOTING PROXY

TO: BOB POLK, SECRETARY/TREASURER
SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

This is to certify that I, Charles E. Patterson, am a
duly appointed member of the SHILOH Regional Solid Waste Planning
Committee, representing Clinton, County and that due to
circumstances beyond my control I will be unable to attend the next
meeting of the committee. In view of this I hereby transfer my proxy
and thus my voting rights on all matters that may come before the
committee at its meeting on Jan 10, 1994, 1993 to my associate

Jerry King

Authorized by: Charles E. Patterson Mayor

Attested by: Jim E. Denton Recorder

Date: 1-10-94

**SHILOH REGIONAL SOLID WASTE
PLANNING COMMITTEE
MEETING NOTICE**

Meeting Time & Date: 1:00 P.M., Monday, February 14, 1994

Location: Savannah City Hall

AGENDA

1. Call to Order
2. Welcome of Guests
3. Approval of Minutes of January 10, 1994 meeting (see attached)
4. Financial Report
 - a. Committee by Bob Polk (see enclosure for report through 1/31/94)
 - b. Region's Grant by Kim Stricklin
5. Approval of Invoice No. 3112 for Griggs & Maloney dated December 31, 1993 in the amount of \$2,253.39.
6. Discussion of creation/formation of Solid Waste Authority led by Bill Griggs.
7. Next meeting date - March 7, 1994
8. Other matters
9. Distribution of 10-year Solid Waste Plan
10. Adjourn

RFP/laf
2/9/94

MINUTES OF MEETING

DATE: February 14, 1994

RE: Shiloh Regional Solid Waste Planning Committee

PARTICIPANTS: See Attached List

Members Absent: Anthony Bolton, Sonny Corn,
Wade Cox, Eddie Patterson,
Charlie Thompson, J.B. Stricklin

Meeting called to order by Chairman Garey at 1:10 P.M.

Minutes of meeting dated January 10, 1994 were approved as written.
All ayes.

Financial report for committee through January 31, 1994 was accepted as written, showing a balance in checking account of \$498.69. Financial report for region through January 31, 1994 was accepted as written, showing expenditures of \$50,365.03 to date.

Motion made by Maurice Hamm, seconded by Ed Mathis to approve Griggs and Maloney, Inc. Invoice No. 3112 dated December 31, 1993 in the amount of \$2,253.39. All ayes.

Next, discussion ensued on attending upcoming 23rd Annual Solid Hazardous Waste Conference and Exhibition scheduled for April 20-22, 1994 in Gatlinburg, Tennessee. Several members expressed interest in attending. Those attending should keep receipts of expenses and give to Bob Polk for reimbursement.

Next, meeting turned over to Bill Griggs. Bill distributed copies of 10 year Solid Waste Plan to members present. Bill advised that Wayne County Commission has approved plan. Meetings are scheduled over the next two months with Hardin, Chester and McNairy Counties and with County Planning Commissions.

Bill then advised members of activities on formation of a solid waste authority. It appears that no action should be taken at this time until further feedback from county executives is received.

Next meeting to be scheduled for May 2, 1994 at 1:00 P.M. at City Hall in Savannah.

Motion made by Jimmy Whittington, seconded by Maurice Hamm to authorize Chairman Garey to approve Griggs and Maloney, Inc. invoices that are received prior to our next meeting. All ayes. Meeting adjourned at 1:43 P.M.

APPROVED: _____

Jim Garey, Chairman

ATTESTED: _____

Bob Polk, Secretary/Treasurer

RFP/laf

SHILOH REGIONAL SOLID WASTE PLANNING COMMITTEE

ATTENDANCE LIST

DATE: FEBRUARY 14, 1994

NO.	NAME	COUNTY/ FIRM	PROXY*	TEL. NO.
1	Bill Griggs	Griggs & Mary		895-8221
2	John Stecker	Hardin Co. Inc.		925-8543
✓3	Gene Harey	Hardin		925-3196
✓4	E. Mathis	Wayne - Clayton		722-5504
5	Jerry King	Chester	✓ Eddie Patterson	989-4628
6	Edwin Rowland	Chester	✓ Anthony Bolton	989 9436
✓7	James B. Smith	Adair		925-4736
8	Karel Pekarek	SWTDD		668-7112
9	Kimble Maynard	SLTDP		381-2040
10	James Anderson	Wayne		722-3653
✓11	George Wallace	Wayne		724-4703
✓12	Charles Ellis	McNairy		645-9409
✓13	Klaudia Hammon	McNairy		645-3124
✓14	Jimmy Whittington	McNairy		645-7521
✓15	Sam R. Ward	"		632-3338
16	Michael Hodge	UT-CIAS		587-5245
✓17	Bob Polk	HARDIN		925-3300
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				

*IF YOU ARE HOLDING A PROXY AND ARE REPRESENTING ANOTHER APPOINTEE
PLEASE INDICATE NAME OF PERSON YOU ARE REPRESENTING AND PROVIDE PROXY
TO SECRETARY.

2/17/94

SHILOH REGIONAL
SOLID WASTE PLANNING
COMMITTEE

SPECIAL NOTICE

At its meeting on February 14, 1994, the committee set its next meeting for Monday, May 2, 1994, at City Hall in Savannah.

No meetings will be held in March or April.

Please mark your calendar for our next meeting.

*Chester County Solid Waste Public Hearing
10 Year Solid Waste Plan*

October 19, 1993

7:00pm

Chester County Courthouse

Agenda

Introduction

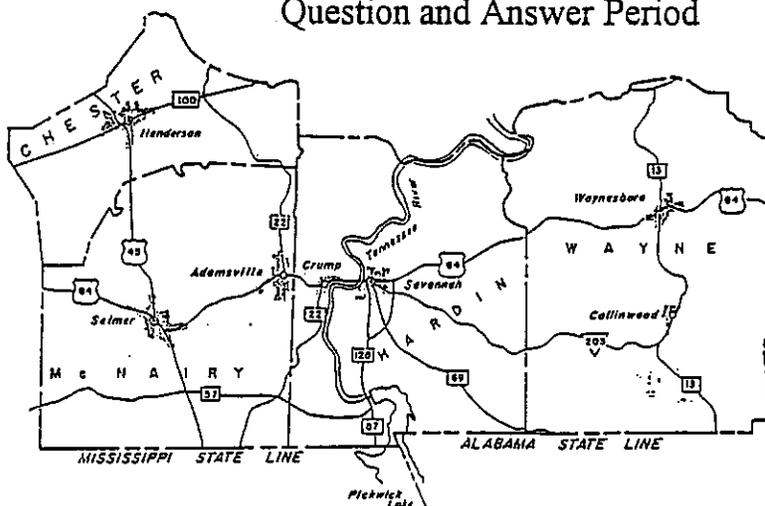
Formation of Planning Region

Planning Committee and Actions to Date

Contents of 10 Year Plan

- ☞ Collection
- ☞ Disposal
- ☞ 25% Reduction
- ☞ Public Information
- ☞ Funding
- ☞ Flow Control

Question and Answer Period



Shiloh Regional Solid Waste Planning Region

Planning Committee

Mr. Coy Anderson
Mr. Anthony Bolton
Mr. Sonny Corn
Mr. Wade Cox
Mr. Charles Ellis
Mr. Jim Garey
Mr. Maurice Hamm
Mr. Ed Mathis
Mr. Eddie Patterson
Mr. Bob Polk

Mr. James B. Smith
Mr. J.B. Stricklin
Mr. Kim Stricklin
Mr. Charlie Thompson
Mr. Houston Thrasher
Mr. George Wallace
Mr. Dan Ward
Mr. Jimmy Whittington
Mr. Wayne Stanley

County Executives

Chester County Mr. Anthony Bolton
Hardin County Mr. Kim Stricklin
McNairy County Mr. Houston Thrasher
Wayne County Mr. Coy Anderson

Development Districts

Southwest Tennessee Development District..... Mr. Karel Pekarek
South Central Tennessee Development District..... Mr. Kimble Maynard

Engineers

GRIGGS & MALONEY, INC.
Bill Griggs
Charlie Robinson
Tony Pegel

CHESTER COUNTY PUBLIC HEARING

10-YEAR SOLID WASTE PLAN
OCTOBER 19, 1993

ATTENDANCE LIST

Name

1. Arthur Pugh GEM
2. Martha Pekarek
3. Karl Pekarek SWTDD
4. Robert L. Stanton County Comm.
5. Richard J. Stanton County Exce
6. Ed Lowland Solid Waste Com.
7. Joe Helms County Comm.
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____

*Hardin County Solid Waste Public Hearing
10 Year Solid Waste Plan*

October 14, 1993

5:00pm

Hardin County Courthouse

Agenda

Introduction

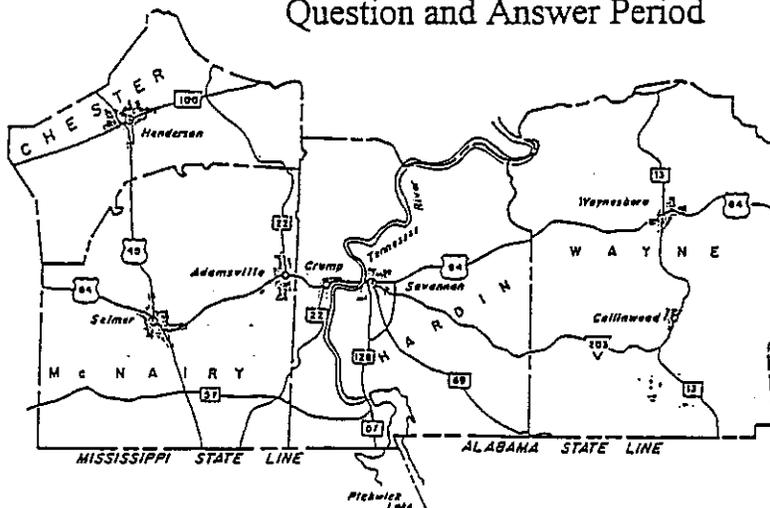
Formation of Planning Region

Planning Committee and Actions to Date

Contents of 10 Year Plan

- ☞ Collection
- ☞ Disposal
- ☞ 25% Reduction
- ☞ Public Information
- ☞ Funding
- ☞ Flow Control

Question and Answer Period



HARDON Co PUBLIC HEARING
5:00PM 10-14-93

Attendance

Selma Jackson
Karel Rekarok
Kim Strickler
Cecilia Thompson
J.B. Strickler
Jim Harey
Bob Polk
James B. Smith
Steve Smith
Bill Griggs

*McNairy County Solid Waste Public Hearing
10 Year Solid Waste Plan*

*November 8, 1993
8:00pm*

McNairy County Courthouse

Agenda

Introduction

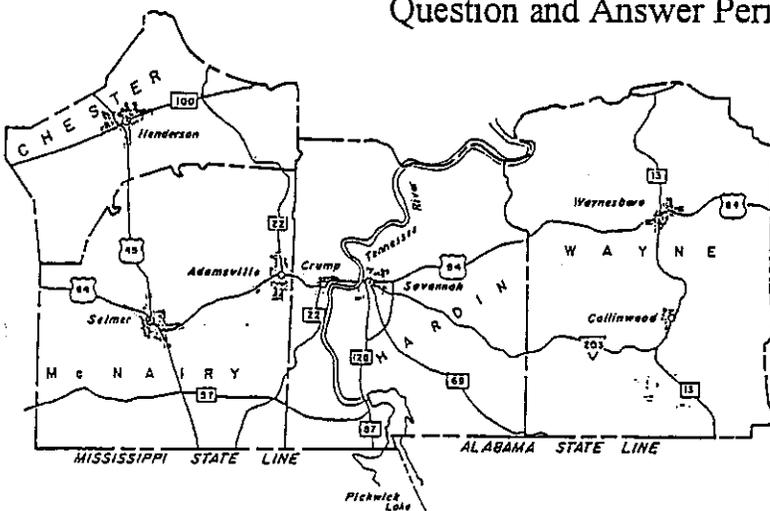
Formation of Planning Region

Planning Committee and Actions to Date

Contents of 10 Year Plan

- ☐ Collection
- ☐ Disposal
- ☐ 25% Reduction
- ☐ Public Information
- ☐ Funding
- ☐ Flow Control

Question and Answer Period



*Wayne County Solid Waste Public Hearing
10 Year Solid Waste Plan*

*October 18, 1993
6:00pm*

Wayne County Courthouse

Agenda

Introduction

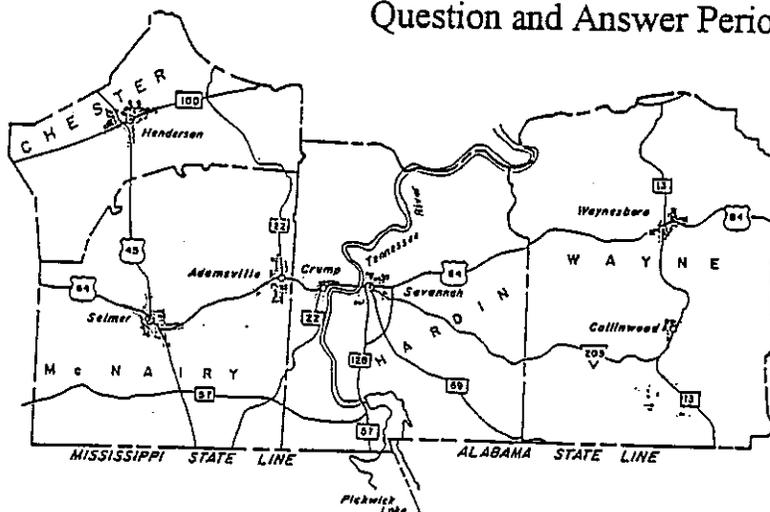
Formation of Planning Region

Planning Committee and Actions to Date

Contents of 10 Year Plan

- ☞ Collection
- ☞ Disposal
- ☞ 25% Reduction
- ☞ Public Information
- ☞ Funding
- ☞ Flow Control

Question and Answer Period



Shiloh Regional Solid Waste Planning Region

Planning Committee

Mr. Coy Anderson
Mr. Anthony Bolton
Mr. Sonny Corn
Mr. Wade Cox
Mr. Charles Ellis
Mr. Jim Garey
Mr. Maurice Hamm
Mr. Ed Mathis
Mr. Eddie Patterson
Mr. Bob Polk

Mr. James B. Smith
Mr. J.B. Stricklin
Mr. Kim Stricklin
Mr. Charlie Thompson
Mr. Houston Thrasher
Mr. George Wallace
Mr. Dan Ward
Mr. Jimmy Whittington
Mr. Wayne Stanley

County Executives

Chester County Mr. Anthony Bolton
Hardin County Mr. Kim Stricklin
McNairy County Mr. Houston Thrasher
Wayne County Mr. Coy Anderson

Development Districts

Southwest Tennessee Development District..... Mr. Karel Pekarek
South Central Tennessee Development District..... Mr. Kimble Maynard

Engineers

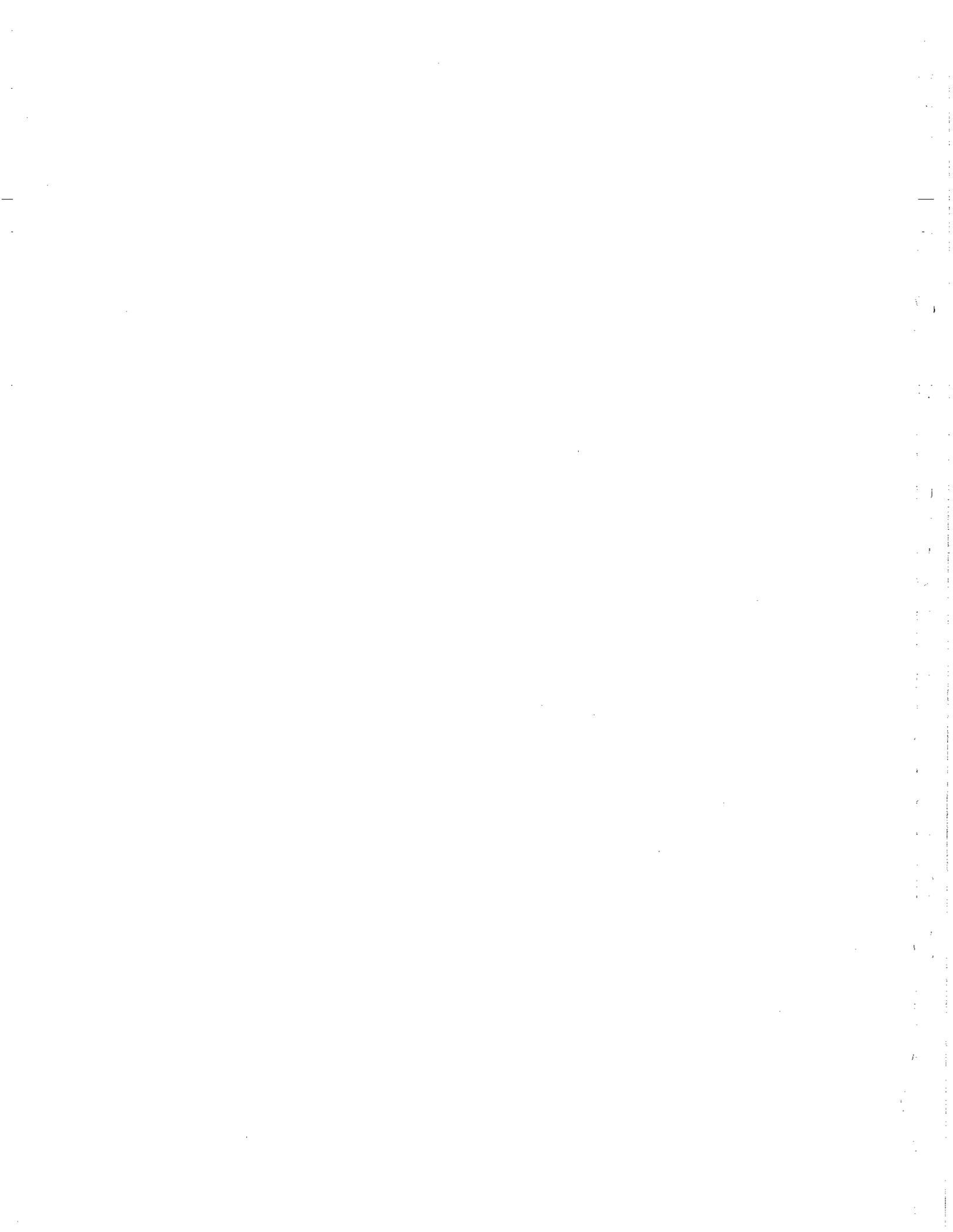
GRIGGS & MALONEY, INC.
Bill Griggs
Charlie Robinson
Tony Pegel

OCT 19, 1993

<u>Name</u>	<u>Representing</u>
Charlie Robinson	GROSS AND MALONEY, INC.
Kimble Maxwell	SCTDD
James Coy Anderson	Co. Executive
James J. Smith	Commissioner
James O. Branton	Commissioner
Barry E. Montgomery	Commissioner
William Brown	Co. Commissioner 6th Dist.
Bohley Blanton	Co. Commissioner
Walker Holt	Co. Comm. 4th Dist.
David Byrd	Co. Comm. 1st Dist.
Randall Andrews	Co Comm. 7th Dist
Billy Killen	Co Comm 7th DIST
Edward E. Mathis	Co Co M. 3RD Dist
Randy M. Clark	" " " "
Jack Smith	2nd Co Commissioner
Melba Copeland	Co Commissioner 4th Dist.
Herbert Brewer	" " 1st "

APPENDIX D

EXPORTS AND IMPORTS



APPENDIX D

There are no known exports or imports.

APPENDIX E

REVIEW BY APPROPRIATE MUNICIPAL OR REGIONAL PLANNING COMMISSION

APPENDIX E

To demonstrate that the Shiloh Regional 10 -Year Solid Waste Plan has been submitted and reviewed by the County Regional Planning Commissions, a copy of the minutes from these meetings follows.

MINUTES

WAYNE COUNTY PLANNING COMMISSION

MONDAY, MARCH 21, 1994---6:30 PM

GENERAL SESSIONS COURTROOM

=====

The Wayne County Planning Commission met on Monday, March 21, 1994 at 6:30 PM in the General Sessions Courtroom of the Wayne County Court House. The purpose of the meeting was to hear a presentation of the Shiloh Regional Solid Waste Planning Region proposed Ten Year Municipal Solid Waste Regional Plan. Following the presentation, the Commission would be asked to approve or disapprove the overall plan.

The three (3) city commissions of Wayne County; Clifton, Collinwood, and Waynesboro were also invited to attend the meeting for the purpose of hearing the regional plan and to participate in the overall discussion.

Present for the meeting were: Miles Sledge, Earl Cook, Tommy Tinin, Roy Mack Ray, and Nadine Jack of the Wayne County Planning Commission; Loyd Howell, Mayor City of Waynesboro; George Wallace, Commissioner City of Collinwood; Coy Anderson, County Executive; and Charlie Robinson, Griggs and Maloney, Inc.

Coy Anderson gave a brief overview and historical update of the solid waste situation in Wayne County and the Shiloh Regional Solid Waste Planning Region. The meeting was then turned over to Charlie Robinson of Griggs and Maloney, Inc., the engineering firm hired by the Shiloh Region to develop the 10 Year Plan. Mr. Robinson presented the plan in great detail covering each page of material in order for those present to have a working knowledge of what is contained in the plan. There was a discussion concerning the need for a Class III/IV (demolition, construction debris, etc) landfill in Wayne County to handle these needs. It appeared to be the consensus of the group in attendance that this need should be addressed by the local County Commission to see if one could be developed in the county. Mr. Robinson did explain to the group that any other type of landfill in Wayne County would not be feasible due to terrain and geology of the county.

The presentation by Mr. Robinson was followed by a question and answer period and the group expressed their gratitude to the firm and the Solid Waste Planning Committee of the region for the work and effort that had gone into the development of the 10 Year Plan.

After all of the discussions took place Mr. Anderson asked if the Planning Commission if they felt comfortable with the overall presentation and would take action on approval of the overall plan. Commission member Miles Sledge made a motion to approve the overall 10 Year Municipal Solid Waste Regional Plan as presented and prepared and the motion was seconded by Commission member Earl Cook. Motion passed unanimously.

There being no further business to come before the group the meeting was adjourned by Mr. Anderson at 9:15 PM.

James Coy Anderson
James Coy Anderson, County
Executive/Acting Secretary

Commissioner David Byrd moved that the Hospital ; Regional Solid Waste ; Local Solid Waste , Wayne County Planning Committee and Budget Committee MInutes be approved.

Commissioner Parker Holt seconded the motion.

Upon a voice vote the minutes were duly approved.

STATE OF TENNESSEE-WAYNE COUNTY

I, Jimmy Dixon Clerk-
of Wayne County, Tennessee, do
hereby certify that the foregoing is a true copy
of the original approval of the minutes
of the Wayne County Planning Com.
Now on file in my office. Witness my hand
and seal of office this 18 day of April
19 94
Jimmy Dixon
Clerk

STATE OF TENNESSEE-WAYNE COUNTY

I, Jimmy Dixon Clerk-
of Wayne County, Tennessee, do
hereby certify that the foregoing is a true copy
of the original minutes of the Wayne
County Planning Com.
Now on file in my office. Witness my hand
and seal of office this 18 day of April
19 94
Jimmy Dixon
Clerk





APPENDIX F

COUNTY RESOLUTION ADOPTING PLAN

APPENDIX F

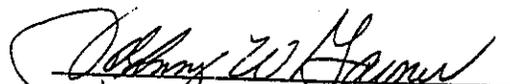
The Resolutions by the Chester, Hardin, McNairy and Wayne County Boards of County Commissioners ratifying the Region's Municipal Solid Waste Plan is herein provided.

RESOLUTION FOR TEN YEAR MUNICIPAL SOLID WASTE REGIONAL PLAN

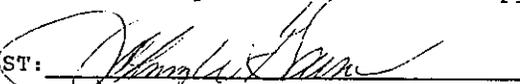
- WHEREAS, the Chester County Commission meeting in regular session on April 11, 1994, and
- WHEREAS, Chester County does have a need to join with other counties to form a Solid Waste Plan, as it is more feasible to have more than one county to make this giant step, and
- WHEREAS, it has been agreed that Chester County will go in with Hardin, Wayne and McNairy to form a Ten Year Municipal Solid Waste Regional Plan, and
- WHEREAS, The Chester County Commission realizes the need for planning in the solid waste area and deem it necessary to do so for the welfare of the people of Chester County, and
- WHEREAS, the Chester County Commission meeting in regular session on April 11, 1994 did approve this plan in its entirety.

Duly passed this the 11th day of April, 1994.


County Executive


Clerk

This is to certify that this a true copy.

ATTEST: 
County Clerk Chester County

SPECIAL SESSION
MARCH 15, 1994

PROPOSAL IN RE:

SOLID WASTE.

TEN YEAR MUNICIPAL
SOLID WASTE
REGIONAL PLAN
SHILOH REGIONAL SOLID WASTE
PLANNING REGION

CHESTER COUNTY
HARDIN COUNTY
MCNAIRY COUNTY
WAYNE COUNTY

1994

Commissioner Ray Phillips moved the Ten Year Municipal Solid Waste Regional Plan be approved, seconded by Commissioner Gordon Johnson and a roll call was taken.

MOTION PASSED - ROLL CALL DISCLOSING 19 AYES

MINUTES OF HARDIN COUNTY BOARD OF COMMISSIONERS MEETING
SPECIAL SESSION 1994

March 15, 1994

- Proposal -Approval of Contracts ----- Withdrawn
- Proposal -Approval of Contracts ----- Withdrawn
- Proposal -Purchase of Property (equipment and land)
- Proposal -Purchase of Property - Solid Waste -Purchase
of Property in Walnut Grove for Convenience
Center -----
- Motion -To approve the proposal to purchase 1.379
acres of property located in the 9th Civil
District of Hardin County, TN. (Walnut Grove)
at a price of \$20,000.00, funds to be taken
from Undesignated Fund Balance, Fiscal Year
1994 ----- Passed
- Proposal -Purchase of Property Located on Highway 69
(old drive-in theater) for a Convenience
Center -----
- Motion -To approve purchase of five (5) acres of
property located on U.S. Highway 69 (old
drive-in theater) at a price of \$20,000.00,
funds to be taken from Undesignated Fund
Balance, Fiscal Year 1993-94 -----
- Motion -Motion to amend foregoing motion, that this
property be used solely and exclusively for
a convenience center only, as long as the
County possesses it ----- Passed
- Motion -Motion to approve foregoing Proposal as
amended ----- Passed
- Proposal -Ten Year Municipal Solid Waste Regional
Plan ----- Approved
(Chester-Hardin-NcNairy-Wayne Counties)
- Proposal -Commercial Solid Waste Collection and
Disposal----- No Action
- Motion -Adjourn ----- Passed

MCNAIRY COUNTY COMMISSION
FEBRUARY 14, 1994

7:00 P.M.
Courtroom

- I. Roll Call: Commissioners Jerry Sullivan, Anthony Knight and Grover Rickman absent.
- II. Commissioner Woods moved for approval of the minutes of the December 1993 County Commission Meeting.
Second by Commissioner Maness.
The motion carried unanimously by voice vote.
- III. Commissioner Ashe moved for acceptance of the quarterly reports.
Second by Commissioner Brooks.
The motion carried unanimously by voice vote.
- IV. Commissioner Cox moved to appoint Perry Holland to the E911 Board.
Second by Commissioner Woods.
The motion carried unanimously by voice vote.
- V. Commissioner Smith moved to appoint Wilburn Ashe and Mary Cox to the Agriculture Committee.
Second by Commissioner Forsythe.
The motion carried unanimously by voice vote.
- VI. Commissioner Gober moved to appoint Tommy Ross to the Library Board from the 2nd District.
Second by Commissioner Cox.
The motion carried unanimously by voice vote.
- VII. Commissioner Cox moved for approval of a Solid Waste Resolution which would give Hardin County five members on the board of the Chester, McNairy and Wayne Solid Waste Region.
Second by Commissioner Hamm.
The motion carried unanimously by voice vote.
- VIII. Commissioner Hamm moved for approval of the Solid Waste Plan as submitted.
Second by Commissioner Ellis.
The motion carried unanimously by voice vote.
- IX. Commissioner Smith moved to amend the County General Budget by \$20,000 for purchase of property adjacent to the Criminal Justice Center.
Second by Commissioner Woods.
The motion carried unanimously by roll call vote.
- X. Commissioner Jim Rickman moved to amend the Tax-Assessor's budget by \$3,477 for part-time help.
Second by Commissioner Brooks.
The motion carried unanimously by roll call vote.

- XI. Commissioner Woods moved to oppose the recognition of local government employee unions.
Second by Commissioner Smith.
The motion carried with 17 Commissioners voting aye and Commissioner Ellis voting nay.
- XII. Commissioner Ashe moved for acceptance of a Department of Transportation Resolution concerning a state project from Garner Road to Henderson By-Pass.
Second by Commissioner Brooks.
The motion carried unanimously by voice vote.
- XIII. Commissioner Smith moved for approval of a Board of Education special bank account for the General Building & Trade Class at Adamsville High School with Farmers and Merchants Bank.
Second by Commissioner Templeton.
The motion carried unanimously.
- XIV. Commissioner Ashe moved to elect Barbara Goodrum, Nancy Kennedy, Beatrice A. Kiser, Andrea Littlejohn, JoAnn Lott, Everett Lee McNatt, Dolores H. Peeler, and Penny L. Walker to the office of Notary Public.
Second by Commissioner Woods.
The motion carried unanimously by voice vote.
- XV. There being no further business the meeting was declared adjourned on motion by Commissioner Ellis with second by Commissioner Woods.

JAMES COY ANDERSON
COUNTY EXECUTIVE

4/2/94

Wayne County Court House

P.O. BOX 206
WAYNESBORO, TENNESSEE 38485
(615) 722-3653

COPY

DATE: APRIL 11, 1994
TO: WAYNE COUNTY COURT OF COMMISSIONERS
FROM: JAMES COY ANDERSON, COUNTY EXECUTIVE
SUBJECT: REGULAR MEETING OF THE COURT OF COMMISSIONERS

The Wayne County Court of Commissioners will meet in Regular Session Monday, April 18, 1994 at 7:00 P.M. in the Circuit Court Room of the Wayne County Court House.

AGENDA

1. Call to Order
 - A. Invocation
 - B. Pledge of Allegiance
 - C. Roll Call
 - D. Declaration of Quorum
- II. Approval of Minutes
- III. Appointments
 - A. Notaries
 - B. Beer Board
 - C. Equalization Board
 - D. Planning Committee
 1. Resignation
 2. Filling of Vacancy
 - E. Parks and Recreation
 - F. Deputy Coroner
 - G. Disabled Resident Access Committee
 - H. Risk Management Accident Review Safety Committee
 - I. Regional Library Board
 - J. County Library Board
 - K. South Central Tennessee Railroad Authority
- IV. Committee Meetings
 - A. Hospital Board (January 25, 1994)
 - B. Regional Solid Waste (February 14, 1994)
 - C. Solid Waste
 - D. Wayne County Planning Commission

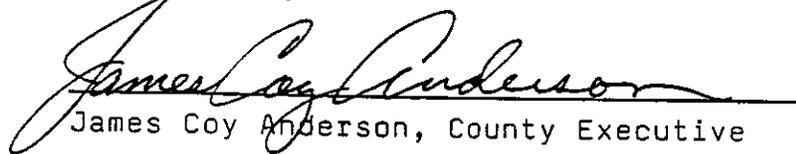
V. Business

- A. Show and Bentwood Lease Re-newal
- B. Griffin Industries Re-newal
- C. Resolution: Litter Grant Application
- D. Resolution: 5% Retirement Benefit Improvement
- E. Lease Agreement (Copier)
- F. State Changes in Travel Re-imbusement
- G. State Terms of Wayne County Planning Committee
- H. Non-Profit Appropriations Resolution 94-95 - 1st Reading
- I. Sheriff to Address the Court
- J. Wayne County/Human Resources Consultant Agreement
- K. Wayne County/Fiscal Agent Contract
- L. Budget Amendment/Transfers
 - 1. Highway Department
 - 2. General Fund
- M. Other

VI. Reports

- A. Nursing Home
- B. Circuit Court Clerk
- C. Trustee
- D. County Clerk
- E. County Executive
- F. Sheriff
- G. Highway Department
- H. Superintendent of Schools
- I. Register

VII. Adjourn


James Coy Anderson, County Executive

MINUTES OF MEETING

DATE: December 6, 1991

RE: Shiloh Regional Solid Waste Planning Committee

PARTICIPANTS: See Attached List

Members Absent: Anthony Bolton, Sonny Corn,
Wade Cox

ITEMS DISCUSSED:

Meeting called to order by Chairman Garey at 1:05 P.M. Chairman Garey advised that County Executive Anthony Bolton was in hospital in Jackson, Tennessee. Chairman Garey also reviewed status of EPA grant request and advised committee of recent tours of other solid waste regions.

Minutes of November 1, 1991 were approved as submitted. All ayes.

Financial report for committee was given by Bob Polk showing a balance in checking account of \$466.10 through November 30, 1991 and was approved. All ayes.

Griggs and Maloney's invoice number 2995 for \$7,567.55 dated October 31, 1991 was approved for payment. All ayes.

Next meeting was turned over to Bill Griggs for review of items of interest.

Motion made by Bob Polk and seconded by Dan Ward to appoint the following as members of the Region's Solid Waste Advisory Committee:

- Wayne Stanley
- Robert Hayes
- Herman Mitchell
- Edwin Powland

All ayes.

Bill advised that due to inability to meet with County Executives prior to today's meeting, that a discussion of operating budgets for implementation of the Solid Waste Plan and thus consideration of approval of the Plan would be delayed until our next meeting.

Next, a discussion ensued on merits of forming a Solid Waste Authority. A review of TCA 68-211-901 regarding Solid Waste Authority Act of 1991 was lead by Bill Griggs.

It was agreed that Bill Griggs and Bob Polk prepare a draft document on creation of an authority for review by committee.

Next meeting of region will be at 1:00 P.M. on Monday, January 10, 1992.

Meeting adjourned at 2:42 P.M.

Approved: _____
Jim Garey, Chairman

Attested: _____
Bob Polk, Secretary/Treasurer

RFP/laf
12/6/93

Commissioner Herbert Brewer moved that the minutes of the above meeting be approved. Commissioner Parker Holt seconded the motion.

Upon a voice vote the minutes were approved, along with the ten year Municipal Solid Waste Regional Plan for the Shiloh Regional Solid Waste Planning Region.

STATE OF TENNESSEE-WAYNE COUNTY

I, _____
 County Clerk
 do hereby certify that the above is a true and correct copy of the minutes of the meeting held on the 6th day of December, 1991, at the Shiloh Regional Solid Waste Planning Committee meeting held at the Shiloh Regional Solid Waste Planning Region.
 Witness my hand and seal of office this 13th day of December, 1991.

 County Clerk

Handwritten text, possibly bleed-through from the reverse side of the page, located on the right edge.