

**CARROLL COUNTY
FIVE YEAR UPDATE
TO SOLID WASTE REGIONAL PLAN**

September, 1999

**As Required by:
The Solid Waste Management Act of 1991
T.C.A. 68-211-813 (c), 68-211-814(a), and 68-211-815**

Prepared by

**GRIGGS & MALONEY
I N C O R P O R A T E D**

Engineering & Environmental Consulting

745 South Church St., Suite 205
PO Box 2968 (37133-2968)
Murfreesboro, Tennessee 37130
(615) 895-8221 • (615) 895-0632 FAX

File Number 262-03

TABLE OF CONTENTS

	<u>PAGE</u>
CHAPTER 1. SUMMARY.....	1
CHAPTER 2. GENERAL INFORMATION ABOUT THE REGION	7
CHAPTER 3. WASTE STREAM.....	14
CHAPTER 4. COLLECTION AND TRANSPORTATION	20
CHAPTER 5. RECYCLING.....	21
CHAPTER 6. DISPOSAL.....	27
CHAPTER 7. PROBLEM WASTES	28
CHAPTER 8. SOLID WASTE EDUCATION.....	30
CHAPTER 9. FLOW CONTROL AND PERMIT REVIEW.....	32
CHAPTER 10.FIVE YEAR UPDATE REVIEW AND APPROVAL.....	33

LIST OF FIGURES

	<u>PAGE</u>
FIGURE 1-1 CARROLL COUNTY WASTE FLOW DIAGRAM.....	3
FIGURE 1-2 REGIONAL SYSTEMS MAP.....	4

LIST OF APPENDICES

APPENDIX A.

1. Solid Waste Regional Board List
2. Budget: FY 1997-98 Solid Waste Fund Budgets
3. Regional Formation Resolution
4. Solid Waste Documentation Statements
5. Plan Review and Approval Documentation

CHAPTER 1. SUMMARY

The Ten Year Municipal Solid Waste Regional Plan was prepared in 1994 for the Benton, Carroll, and Henry Solid Waste Planning Region. Benton County withdrew from the region shortly after development and approval of the 10-year plan. The Carroll-Henry Solid Waste Planning Region was formed and remained operational under the direction of the Carroll and Henry Regional Solid Waste Board until the Region was dissolved in July 1999 by resolution of the two counties, Resolution No. 7-5-99 for Carroll County and Resolution No. 5-8-99 for Henry County. This dissolution of the Region was mutually agreed upon by both Carroll and Henry Counties as being in the interest of the most cost effective and efficient management of municipal solid waste for the citizens of both counties. Each county is in the process of appointing board members of their respective Solid Waste Board.

This five-year update to the 10-year solid waste regional plan will address the plans and goals for Carroll County Region for the next five years: The individual Carroll County Region and its Solid Waste Board will operate similar to the previous Regional Board with goals of reviewing annual progress reports and solid waste plans, solid waste planning, addressing public concerns and interests, and ensuring State mandate and other requirements are fulfilled. The Carroll County Region has developed this 5-year update, and most data and information will relate to this single County region solely. Where appropriate, information will be provided on the basis for the Carroll-Henry Solid Waste Region prior to July 1999 in an effort to present past goals and introduce future objectives for Carroll County.

Solid Waste budgets in terms of actual revenues and expenditures for Carroll County and its corresponding municipalities within the county have increased substantially over the period from development of the 10-year plan. From the 10-year plan, total revenues and expenditures were \$842,350 and \$883,050 respectively for the fiscal year ending June 30, 1994. For the fiscal year ending June 30, 1998, the revenues and expenditures were \$1,454,626 and \$1,308,031 respectively representing a revenue increase of 72.7% and an expenditure increase of 48.1% over that period. Projected budgets for the next five years represent a 2% to 5% increase with most entities reporting no large line item increases. The Carroll County entity noted a planned \$250,000 line item increase for FY 1999-2000 for the addition to its recycle center subject to the application for and successful awarding of State grant funds. Several entities reported upcoming increases in contract fees from the private solid waste collection and disposal contractors. The Town of Bruceton reported that these fees would be increased from \$15/ton to \$26/ton over the next three years by their private contractor.

The Carroll-Henry Solid Waste Region has established goals and achieved these objectives in meeting the 25% solid waste reduction mandates. The Carroll-Henry Region reduction goals were established as $1.2237 \text{ ton/year/person} \times 25\% \text{ reduction} = 0.9177 \text{ ton/year/person}$ from the 1989 base year. The reduction goals for Carroll County Region as reported by the State of Tennessee Department of Environment and Conservation are $1.4221 \text{ ton/year/person} \times 25\% \text{ reduction} = 1.0666 \text{ ton/year/person}$. Annual per capita generation rates for the Carroll-Henry Region and Carroll County Region for calendar year 1994-1998 are provided as shown in Table 1-1.

TABLE 1-1
WASTE DISPOSAL RATES FOR
CARROLL-HENRY REGION AND CARROLL COUNTY REGION

YEAR	REGION	POPULATION	WASTE DISPOSED (TONS)	CAPITA WASTE DISPOSAL RATE (TON/YEAR/PERSON)	DATA SOURCE
1989 (Base Yr.)	Carroll-Henry	55,402	70,271	1.2684	TDEC
	Carroll	27,514	39,128	1.4221	TDEC
1994	Carroll-Henry	54,569	52,932	0.9700	10-yr solid waste plan
	Carroll	27,166	26,351	0.9700	10-yr solid waste plan
1995	Carroll-Henry	55,402	55,303	0.9982	1995 Annual Report
	Carroll	27,514	30,713	1.1163	1995 Annual Report
1996	Carroll-Henry	58,046	44,910	0.7737	1996 Annual Report
	Carroll	28,609	20,198	0.7060	1996 Annual Report
1997	Carroll-Henry	58,820	48,222	0.8198	1997 Annual Report
	Carroll	28,990	22,163.34	0.7645	Carroll County (1999)
1998	Carroll-Henry	59,181	43,537.14	0.7357	1998 Annual Report, Needs Assessment
	Carroll	29,115	21,368.15	0.7339	1998 Annual Report, Needs Assessment

From the previous Table, Carroll County has met its 25% reduction goal with a 0.7339 ton/person/year per capita rate for calendar year 1998. A waste flow diagram illustrating the waste stream in the region is provided in Figure 1-1.

This reduction goal has been met in large part by the establishment of a progressive recycle program in Carroll County. The county collects cardboard, newspaper, third class mail, office paper, textbooks, plastics, and metals as a part of their program. Van trucks are utilized to collect the items from businesses, industries, and the general public. Recycling bins are also placed in accessible locations throughout the county and the Recycle Center operated by the county is also centrally located. A number of private recycling organizations that accept various recyclables are supported by the program. Figure 1-2 illustrates the location and availability of solid waste facilities within the Carroll County Region.

Future program improvements consist of enlarging the existing recycle center facilities to improve operations and increase quantities. Additional program enhancements also include the future development of additional markets for plastic (HDPE and PETE), recyclable paper grades, and possibly glass.

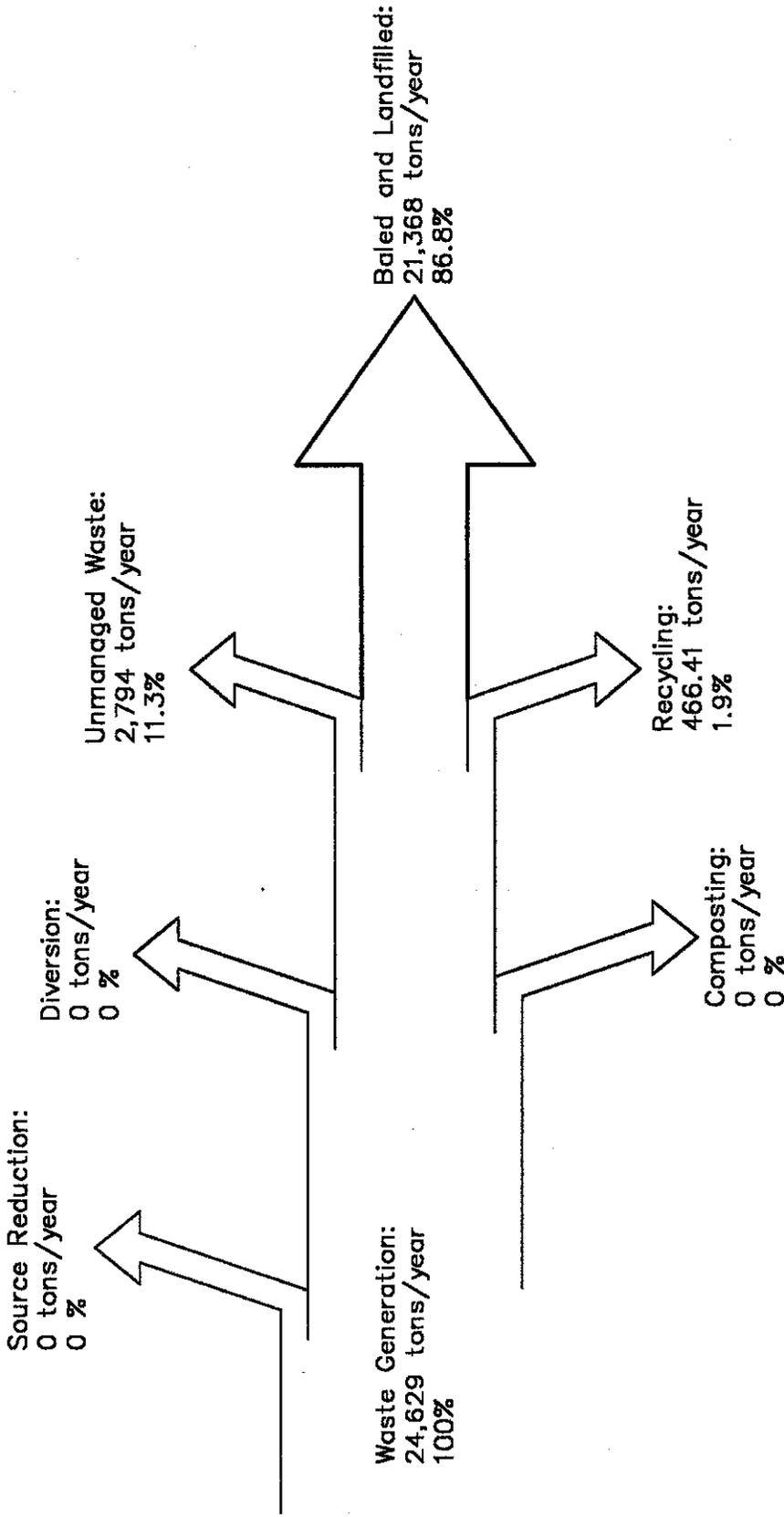
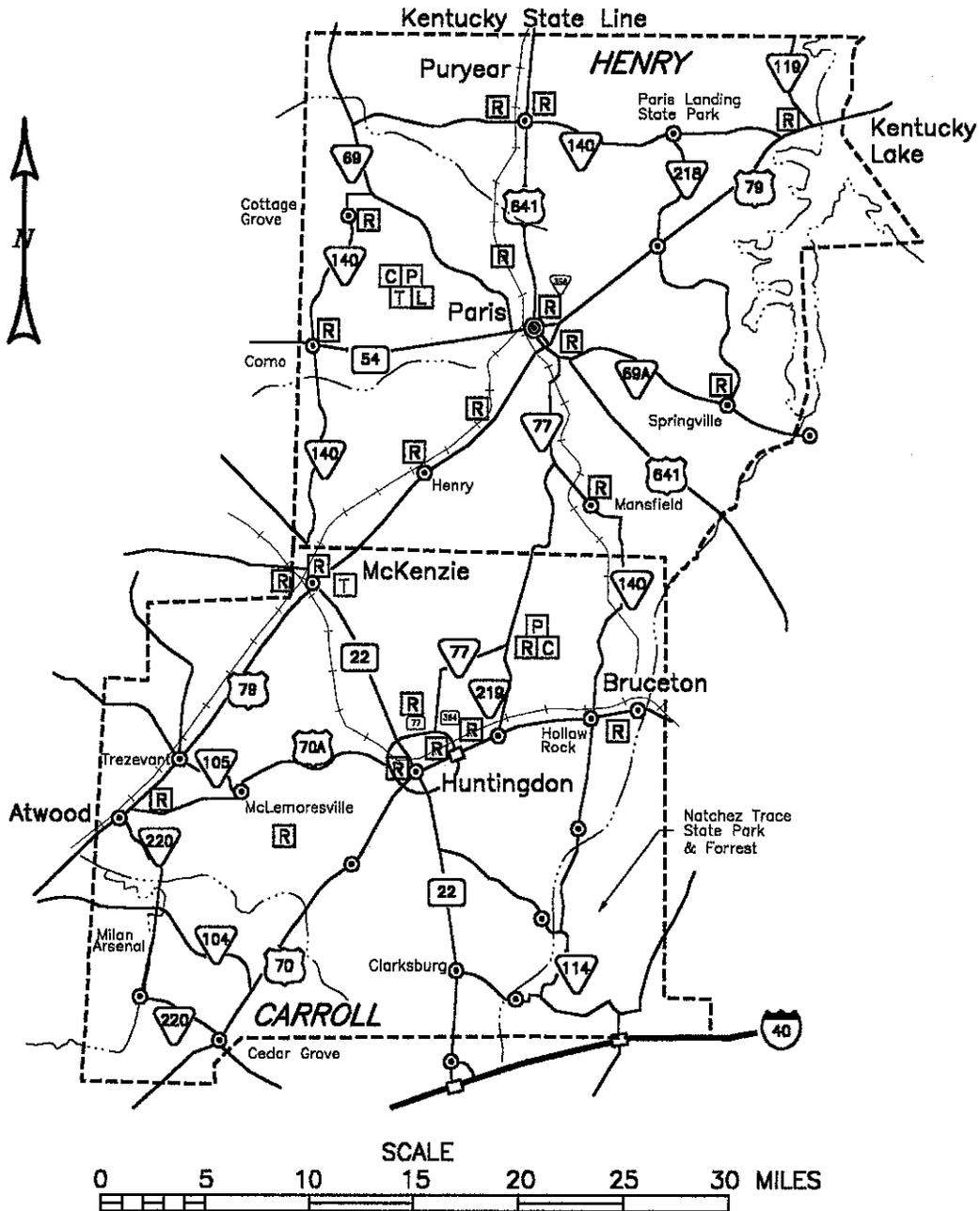


Figure 1-1
Carroll County
Waste Flow Diagram

1998 Calendar Year
 Five-Year Update to
 Solid Waste Regional Plan
 for
 Carroll County
 Solid Waste Planning Region
 File 262-03



P.O. BOX 2968, MURFREESBORO, TN 37133-2968
 (615) 895-8221 * FAX (615) 895-0632



LEGEND:

- T** = TRANSFER STATION
- L** = CLASS III-IV LANDFILL
- R** = RECYCLING FACILITY
- P** = PROBLEM WASTE
- C** = CONVENIENCE CENTER

NOTE:

DOOR TO DOOR COLLECTION SERVICE IS MANDATORY FOR ALL RESIDENTS IN CARROLL COUNTY

DOOR TO DOOR COLLECTION IS AVAILABLE TO ALL RESIDENTS IN HENRY COUNTY.



P.O. BOX 2968, MURFREESBORO, TN 37133-2968
(615) 895-8221 * FAX (615) 895-0832

FILE NAME: C:\GMPROJ\HENREY-CARROL\MAP.DWG log

**Figure 1-2
Regional Systems Map**

Five-Year Update to
Solid Waste Regional Plan
for
Henry and Carroll Counties
Solid Waste Planning Region
File 262-03 September, 1999

Recycle quantities reported for Carroll County in 1998 was 466.41 tons. There has been a continued increase in the recycle quantities reported since the inception of the formal program in 1994-95 and these quantities are projected to increase by 2% to 10% per year over the next 5 years. Carroll County expects to continue to surpass the mandatory reduction goal over the next five year period largely in part by the success of the recycle program.

Public awareness and education of solid waste issues and recycling needs have also contributed to the increase in recyclable quantities and the attainment of the mandatory reduction goals. The development of a Carroll County Solid Waste Director has generated educational efforts within the community. The director conducts approximately two public awareness sessions per month at civic, government, and educational organizations. The director also coordinates and provides materials to a number of other sponsors/organizations of recycling education. The public awareness and education efforts by Carroll County will continue to be expanded during the next five years.

Problem wastes have been addressed by Carroll County. The counties have hosted the State's household hazardous waste mobile collection service. The collection event brought in 6179 lbs. of waste in June 1998 and 4,250 lbs. of waste in June 1999. Many of these items collected would have been disposed of in household garbage or in illegal dumpsites. Collection dates have been set for 2000 and will be established for future years.

Carroll County collects waste tires in the region at the county's tire site located at the Recycling Center or by private haulers at dealers' locations. Also, the County has removed several illegal tire dumps with grant money provided by the Department of Environment and Conservation. Carroll County also provides oil, auto fluids, and battery collection at their recycling center in addition to the annual household hazardous waste events. The waste tire collection program and the oil, auto fluid, and battery collection program will continue at their current level of effort during the next five years.

The Carroll County Director of Solid Waste also administers the Carroll County Litter Grant Program. This program provides roadside cleanups in conjunction with the County Litter Enforcement and Adopt-a-Highway Program. These programs will be continued at their current level of effort during the next five years.

Carroll County has addressed the problem of unmanaged waste (i.e. burning in backyards, illegal dumps, and ditches) by requiring mandatory collection services for all county residences. This action has not only provided service to all persons to ensure proper disposal, but it has also promoted education of solid waste issues including recycling. With the mandatory collection ordinance in place, unmanaged waste quantities should continue to decline during the next five years.

Table 1-2 shows an implementation schedule illustrating current and planned facilities and programs for the Carroll County Solid Waste Region. As discussed previously, most current programs will continue and the need for several additional programs are indicated. The need to promote diversion of Class III/IV materials and to increase composting of yard waste are identified as program goals for the upcoming five years.

TABLE 1-2
IMPLEMENTATION SCHEDULE – CARROLL COUNTY

TASK	1998	1999	2000	2001	2002	2003
Form an Authority	No	No	No	No	No	No
Provide Coordinator for County	Yes	Yes	Yes	Yes	Yes	Yes
Education programs concerning recycling and reduction	Yes	Yes	Yes	Yes	Yes	Yes
Participate in annual Tennessee Household Hazardous Waste collections	Yes	Yes	Yes	Yes	Yes	Yes
Industrial waste separation and reduction	Yes	Yes	Yes	Yes	Yes	Yes
Establish increased amount of collection sites for recyclables	Yes	Yes	Yes	Yes	Yes	Yes
Building expansion for Carroll County recycling center	No	No	Yes			
Acquire horizontal baler for Carroll County recycling center	No	No	Yes			
Locate markets for glass and plastic	No	Yes	Yes	Yes	Yes	Yes
Establish composting program	No	No	Yes			
Establish Class III/IV material diversion program	No	No	Yes			

In summary, Carroll County has implemented most objectives identified in the 10-year Solid Waste Regional Plan developed for Benton-Carroll-Henry County Region. With the original Region now dissolved and Carroll County Solid Waste Region now formed, Carroll County will continue to meet the initial 10-year goals in addition to addressing program improvements identified in this 5-year update.

CHAPTER 2. GENERAL INFORMATION ABOUT THE REGION

1. *Identify the region by name, and list counties and municipalities that comprise the Region.*

Previous to July 1999 it was the "Henry and Carroll Counties Municipal Solid Waste Planning Region". At that point they dissolved into 2 separate regions.

See Resolution No. 7-5-99 (Carroll County) in Appendix A-3 and Resolution No. 5-8-99 (Henry County) in Appendix A-3

The Region is currently comprised of all Carroll County, with Huntingdon being the county seat and numerous smaller municipalities.

2. *Total Population of Region (list by county; provide source of information and year).*

The total population of Carroll County is 29,115, with the combined population of Carroll and Henry Counties being 59,181.

(Source: Carroll and Henry Counties Solid Waste Needs Assessment, April 1999)

3. *Provide a complete list of Regional Solid Waste Board members and their term expiration dates. Top the list by stating how many members are on the board (set by the original Regional formation resolution) and whom they represent. Then include a current list of Regional board members (and any vacant positions), term of office and expiration for each, whether appointed by a county executive or mayor (and name the jurisdiction represented), whether confirmed by a county commission, or city council, and the year confirmed. Identify the chairman.*

Carroll and Henry County Solid Waste Board

7 Members: 3 Henry, 3 Carroll, and 1 Both Counties

1. **Brent Greer** (6 year, expires 1/2001), appointed by Henry County Executive and confirmed by County Commission. Regional Chairman.
2. **Frank Gallimore** (4 year, expires 1/2001), appointed by Henry County Executive and confirmed by County Commission.
3. **Larry Crawford** (6 year, expires 1/2005), appointed by Henry County Executive and confirmed by County Commission.
4. **Dale Kelley** (6 year, expires 1/2001), appointed by Carroll County Executive and confirmed by County Commission.

5. **Patty Edwards** (6 year, expires 1/2005), appointed by Carroll County Executive and confirmed by County Commission.
6. **John Mann** (4 year, expires 1/2003), appointed by Carroll County Executive and confirmed by Carroll County Commission.
7. **Dr. Larry Vick** (4year, expires 1/2003), appointed by Carroll County Executive and confirmed by County Commission. (Represents both Carroll and Henry Counties)

Carroll County Solid Waste Board

5 Members

1. **John Mann** (2 year, expires 1/2001), appointed by Carroll County Executive and confirmed by County Commission. *Chairperson*
 2. **Billy Crum** (2 year, expires 1/2001), appointed by Carroll County Executive and confirmed by County Commission.
 3. **Donna Richardson** (2 year, expires 1/2001), appointed by Carroll County Executive and confirmed by County Commission.
 4. **John Wright** (4 year, expires 1/2003), appointed by Carroll County Executive and confirmed by County Commission.
 5. **Joe David Brandon** (6 year, expires 1/2005), appointed by Carroll County Executive and confirmed by County Commission.
4. A. *Has the Region formed a Part 9 Solid Waste Authority?*
- No
- B. *Has the Region dissolved a Part 9 Solid Waste Authority?*
- No

5. *Please list three contacts for solid waste information for your Region.*

Carroll County Contacts

Jeff Heyduck
Solid Waste Director
216540 Hwy 77
Huntingdon, TN 38344
901-986-2425

Kenny McBride
County Executive
Suite 101
625 High Street
Huntingdon, TN 38344
901-986-1936

Mike Tolley
Solid Waste Chairperson
P.O. Box 249
Atwood, TN 38220
901-662-7677

6. *Briefly describe the activities and workings of the Region's Solid Waste Board and/or Part 9 Authority Board if one exists. Describe the Board meeting schedule, involvement with concerned entities in planning decisions, process for addressing public, and timeliness of submittal of Annual Progress Reports and Solid Waste Plans. In addition to planning, does the Board meet its responsibilities with regard to permit review?*

The Carroll and Henry Regional Solid Waste Board have met annually to review and approve the annual solid waste progress report. The board was composed of seven members representing municipalities and counties within the region. Meeting schedules are placed in the Paris Post-Intelligencer, in Henry County, and the McKenzie Banner in Carroll County, one week prior to the meeting date. The public is invited to attend Regional meetings and permitted time to comment if requested.

Although there has been no request for a permit review within the region, the board is prepared to meet this need.

With the dissolution of the Henry and Carroll County Region, Carroll County is currently in the process of appointing a new Regional Solid Waste Board. The new Carroll County Solid Waste Board members as listed in Chapter 2, item 3 are to be ratified by the Carroll County Commission in November of 1999. The new Board shall operate the same as the previous Board.

7. *Describe the Region's rationale for formation (its decision to be either single or multi-county). Is the current structure satisfactory?*

The "Henry and Carroll County Solid Waste Planning Region" was in existence until July, 1999 when it was dissolved by Resolution No. 7-5-99, thereby creating the "Carroll County Solid Waste Planning Region". This was mutually agreed upon by both Carroll and Henry Counties as being the most cost effective and efficient management of municipal solid waste for the citizens of both counties.

The new structure is expected to be satisfactory.

8. *List all municipalities in the Region that have door to door collection service. Include county and municipal population.*

DOOR TO DOOR COLLECTION		
CITY/TOWN NAME	COUNTY	POPULATION
Huntingdon	Carroll	4,399
McKenzie	Carroll	5,047
Bruceton	Carroll	1,548
Atwood	Carroll	1,112
McLemoresville	Carroll	288
Trezevant	Carroll	907
Hollow Rock	Carroll	923
Clarksburg	Carroll	339

(Source: Carroll County Solid Waste Needs Assessment, April, 1999)

9. *Describe the Region, generally, geographically, and demographically.*

Carroll County is a one county region since the dissolution of the Henry and Carroll County Solid Waste Region in July of 1999.

Carroll County covers an area of 595.8 square miles and is located in the northwest part of the State. Huntingdon serves as the county seat of Government. The county contains four cities with populations greater than 1,000, these being the cities of Atwood, Bruceton, Huntingdon, and McKenzie. Points of interest are the Natchez Trace State Park and Forest located in the southeast corner of the county, and the Milan-Army Ammunition Plant in the southwest corner.

10. *Does the Region (or Part 9 Authority, city or other jurisdiction within) charge a fee for solid waste services?*

Yes

If yes, please identify each SW fee, when it was instituted and by what legal authority, what jurisdiction collects it, by what means it is collected, how much, and how often.

Carroll and Henry County operate different programs to acquire revenues for solid waste collection. TCA Codes 5-19-107 and 68-211-835 give these jurisdictions legal authority to charge and collect solid waste fees.

Henry County does not collect or charge county residents for solid waste collection. Private Solid Waste haulers utilizing the Paris Henry County Transfer Station are charged a tipping fee of thirty-one dollars (\$31.00) per ton of solid waste and twenty-one dollars and fifty cents (\$21.50) per ton for brush and construction debris. These contractors perform their own billing services. Carroll County charges \$7.00 per month, collected by County operated billing, for once a week pick-up of solid waste to all residents outside municipalities (instituted July 1, 1994).

11. *Describe the costs and revenues involved in public funding for solid waste programs and expenses in the Region. Be sure to include capital cost considerations, staffing requirements, and operating expenses. It may be best to go jurisdiction by jurisdiction (cities, counties, Part 9 authorities). Is the current system satisfactory? Are revenues meeting costs? What new expenses and/or new fees or revenues are needed or anticipated?*

All costs associated with solid waste pickup with the region's counties and municipalities are provided by the respective jurisdictions' enterprise systems. Revenues collected by these systems are utilized to pay either subcontractors or jurisdictions, which incur capital cost, staff and operating expenses. This system currently meets all needs generated by the region. Over the past five years the jurisdictions within the region have increased customer-billing revenues to meet the need of rising operating cost. Over the next 5 years the region anticipates a projected ten percent increase in operating costs.

12. *The Solid Waste Management Act states that each city, county, or Part 9 solid waste authority in the Region shall use uniform financial accounting methods and account for solid waste activities with a named designated special revenue or enterprise fund (for publicly owned landfills or incinerators) {T.C.A. 68-211-874 (a)}. Do all relevant jurisdictions in the Region meet with this requirement?*

Yes.

The following rates per month apply to municipalities within Carroll County for once a week pickup of solid waste.

<u>MUNICIPALITY</u>	<u>MONTHLY FEE</u>	<u>COLLECTION INTERVAL</u>
<u>Town of Huntingdon</u>	\$8.98	per month
<u>City of McKenzie</u>	\$9.00	per month
<u>City of Trezevant</u>	\$8.80	per month
<u>City of McLemorseville</u>	\$6.50	per month
<u>City of Atwood</u>	\$6.00	per month
<u>City of Bruceton</u>	\$8.00	per month
<u>City of Hollow Rock</u>	\$7.00	per month
<u>City of Clarksburg</u>	\$7.00	per month

13. *Include a proposed 10-year solid waste budget for the Region.*

Carroll County Region solid waste budget is developed from the County and seven corresponding cities. The entities' Solid Waste/Sanitation Funds vary from detailed budgets to single line item budgets (single expenditure to private waste collection company and revenue by transfer from General Fund). The summary of Solid Waste/Sanitation Fund revenue and expenditures for all entities are provided in Table 2-1 and 2-2 for Fiscal Year Ended June 30, 1998.

TABLE 2-1
SOLID WASTE/SANITATION FUND EXPENDITURES FOR
CARROLL COUNTY AND CORRESPONDING CITIES – FY 1997-98

CITY/TOWN NAME	EXPENDITURES
Carroll County	683,837
Atwood	46,000
Bruceton	72,768
Hollow Rock	29,700
Huntingdon	160,229
McLemoresville	13,128
McKenzie	262,312
Trezevant	40,057
Total Expenditures	1,308,031

TABLE 2-2
SOLID WASTE/SANITATION FUND REVENUES FOR
CARROLL COUNTY AND CORRESPONDING CITIES – FY 1997-98

CITY/TOWN NAME	REVENUE	OTHER REVENUES OR FUND TRANSFERS	TOTAL REVENUES
Carroll County	772,347		772,347
Atwood	46,000		46,000
Bruceton	73,085		73,085
Hollow Rock	29,700		29,700
Huntingdon	173,509		173,509
McLemoresville	13,128		13,128
McKenzie	226,800	80,000	306,800
Trezevant	39,591	466	40,057
Total Revenues			1,454,626

Proposed regional budgets for the region entities for the five year planning horizon are presented in Table 2-3. The basis for projected budget was an incremental annual adjustment of 2% increase to 4% increase for all entities. The increases are primarily inflationary increases with most entities reporting no large adjustments of single line items or overall projected budgets. The Carroll County entity noted a planned \$250,000 line item increase for FY 1999-2000 for the addition to its recycling center application for and successful awarding of State grant funds.

TABLE 2-3
SOLID WASTE/SANITATION FUND PROPOSED REVENUES AND EXPENS
CARROLL COUNTY AND CORRESPONDING CITIES – FY 1998-200

CITY/TOWN NAME	FY 1998-99	FY 99-2000	FY 2000-01	FY 2001-02	FY 2002-03
Carroll County	767,576	1,109,232	1,131,416	1,154,045	1,177,126
Atwood	48,000	50,000	52,000	54,080	56,243
Bruceton	73,000	74,000	76,220	78,506	80,862
Hollow Rock	28,248	35,700	37,128	38,613	40,158
Huntingdon	192,614	225,000	231,750	238,702	245,863
McLemoresville	15,000	16,000	16,640	17,306	18,000
McKenzie	265,920	271,429	276,858	282,394	288,043
Trezevant	40,000	40,000	41,600	43,264	44,995
Total	1,430,358	1,821,361	1,863,612	1,906,910	1,951,290

only covers 5 yrs.

Solid Waste/Sanitation Fund Detailed Budgets for FY 1997-98 for Carroll County and corresponding cities are included in Appendix A-2.

14. *List the contacts in the Region for information regarding solid waste budgets.*

Carroll County
 Jeff Heyduck
 Solid Waste Director
 216540 Hwy 77
 Huntingdon, TN 38344
 (901) 986-2425

Town of Atwood
 James E. Marshall
 (901) 669-5005

Town of Huntingdon
 Martha Taylor, City Recorder
 (901) 986-2900

Town of Hollow Rock
 Vivian Grooms, City Recorder
 (901) 586-7773

City of McKenzie
 Dana Deem, City Clerk
 (901) 352-2292

Town of Bruceston
 Tony Lancaster, City Recorder
 (901) 586-2401

City of Trezevant
 Rhonda Cummingham, City Recorder
 (901) 669-4831

City of McLemoresville
 Barbara Younger, City Recorder
 (901) 986-5347

CHAPTER 3. WASTE STREAM

1. *For the most recent calendar year, how many tons of solid waste were generated within the Region and disposed of in Class I Landfills or incinerators located in or out of the Region? [Please "show your work" by providing a breakdown of tonnages and sources of information.] Note: Regional annual progress reports ask a similar question and the answers should be consistent.*

1998 Calendar Year

21,368.15 tons -- Carroll County Region

43,537.14 tons -- Carroll-Henry Planning Region

Documentation statements from the Carroll-Henry Solid Waste Planning Board. Region Chairman and disposal facility contractors are provided in Appendix A-4.

2. *Estimate the percentages of the tons reported in #1 above using the following categories:*

Carroll County Region:

Residential	8,547.26 ton =	40%
Commercial	2,350.50 ton =	11%
Industrial	3,632.59 ton =	17%
Institutional	1,068.40 ton =	5%
Other	5,769.40 ton =	27%
	Total	100%

*Source: 1998 Carroll County Solid Waste Needs Assessment.

3. *Estimate the percentage of the tons reported in #1 above using these categories:*

Carroll County Region:

Yard Waste	3,119.75 ton =	14.6%
Construction/Demolition Waste (CI IV)	1,495.77 ton =	7%
Tires	2,008.61 ton =	9.4%
Recyclables	6,404.03 ton =	30.0%
White Goods	1,623.98 ton =	7.6%
Regular Municipal Solid Waste	6,716.01 ton =	31.4%
	Total	100%

* Source: 1998 Carroll County Solid Waste Needs Assessment and B, C, & H 10 Year Plan, September 1994, Table 2-4.

4. *To calculate the Total Generated waste stream (for the most recent calendar year), first estimate tons annually reduced or diverted within the Region. Consider:*

1. *Source reduction (especially industrial practices):*

In 1994, an industrial solid waste survey was performed to determine the level of source reduction in industry. The survey indicated 11,262 tons reduced by industry within the Carroll-Henry Solid Waste Planning Region. Industries within Carroll County represented a reduction of 5045 tons with Henry County industries contributing 6217 ton of this reduction figure. No surveys have been prepared since this date. The two industries, Gaines Manufacturing Co. and Tennessee Metal Specialty, within Carroll County reporting source reduction in 1994 have both closed. No source reduction tonnage will be utilized for the 1998 calendar year.

2. *recycling (include composting):*

466.41 tons as reported in the Annual Progress Report for 1998 calendar year.

3. *diversion (to Class III/IV landfills); and*

The Paris-Henry County Landfill is a Class III/IV landfill and receives demolition waste from Carroll County for a tipping fee of \$21.50/ton. No quantities of materials from Carroll County were reported by the Class III/IV landfill.

4. *unmanaged waste (burned in backyards, illegal dumps, ditches),*

It is estimated that unmanaged waste is not a major contribution to the total generated waste stream due to the mandatory solid waste collection requirement in Carroll County. The mandatory pickup has proved effective in reducing the number of roadside dumps in Carroll County. This is a positive indicator that total unmanaged waste quantities have been reduced. The estimated quantity of unmanaged wastes in 1994 was 5231 ton. The estimate quantity of unmanaged waste in 1998 is 2794 ton which is based on 50% of the 1994 estimate and adjusting for population increase.

Then add these four items to tons reported in #1 above (regarding the disposed waste stream). Again, these should be products of the waste stream generated only within the Region (no imports) regardless of whether they are reused or disposed.

Total Generated waste stream for the Region consists of tons estimated in #1 plus the estimates for the four items mentioned above.

Total generated waste stream for Carroll County in 1998 is 24,629 ton.

Estimate each of the four items as a percentage of the total generated waste stream. Remember to calculate using similar units (tons). Make a waste flow diagram illustrating your estimates. Use the Example Proportional Flow Diagram shown in Chapter 1.

1. source reduction (as a percentage of the Total Generated waste stream for the Region); **0%**
2. recycling (as a percentage of the Total Generated waste stream for the Region);
 1.9%
3. diversion (as a percentage of the Total Generated waste stream for the Region);
 and **0%**
4. unmanaged waste (as a percentage of the Total Generated waste stream for the Region) **11.3%**

A waste flow diagram is illustrated in Figure 1-1 in Chapter 1.

Discuss your reasons for making the estimates in all four cases above. Make specific mention of programs or facilities that would account for the estimate.

5. *Discuss any recent demographic trends that may affect waste disposal and generation figures in the Region. Are large groups moving into or out of the area for any special reason?*

Carroll County has plans to build a 900 acre watershed lake which is expected to draw new residents, and businesses to the county. This is projected to increase waste disposal and generation figures by 20% over the next 5 years.

6. *Discuss the economic condition of the Region. Who are major employers? Is the unemployment rate high or low? What economic factors could affect the content and volume of the waste stream and waste reduction efforts in the Region?*

Carroll County is currently in need of economic growth, with an unemployment rate of 7.6%. However, as discussed previously the new lake is expected to enhance the county and bring an increase in the regions economic growth.

Presently the major employers are as follows:

1. Henry I Siegel Company, 126 Lexington St., Bruceton, TN 38317, (800 employees)
2. Murray Outdoor Products, Inc., 1165 Airport Rd., McKenzie, TN 38201, (300 employees)
3. Nestaway. 1373 Airport Rd., McKenzie, TN 83201, (280 employees)
4. Norandal USA Inc., 1284 Northwood Dr., Huntingdon, TN 38344, (260 employees)
5. Baptist Memorial Hospital, 631 R.B. Wilson Dr., Huntingdon, TN 38344, (250 employees)

7. *Please list the top five contributors to the overall waste stream generated in the Region and Disposed in Class I Landfills or incinerators (reported in #1 of this chapter). This list should be an estimate based on local inquiry and landfill records. Bear in mind that often more than one disposal facility (either in or out of the county) serves the Region. The list may include major industries, prisons, colleges, major medical facilities, airports, or other institutions. For urban areas, it may be necessary to list more than five to give a full view of the county situation. Provide the following information on each contributor listed:*

5 MAJOR CONTRIBUTORS TO THE REGION'S WASTE DISPOSAL

- 1) **Contributors Name:** Carroll County Residents
Contact Name and Phone Number: Jeff Heyduck (901) 986-1943
Waste Types: Mixed Residential
Estimated amount of waste, in tons, disposed of in any Class I Landfill or incinerator during the 1998 Calendar year = 4,200 tons

- 2) **Contributors Name:** H.I.S. Sportswear
Contact Name and Phone Number: Dwayne Hollingsworth (901) 586-2211
Waste Types: Mixed Industrial
Estimated amount of waste, in tons, disposed of in any Class I Landfill or incinerator during the 1998 Calendar year = 3,800 tons

- 3) **Contributors Name:** City of McKenzie
Contact Name and Phone Number: Joe Curtis (901) 352-3009
Waste Types: Mixed Commercial
Estimated amount of waste, in tons, disposed of in any Class I Landfill or incinerator during the 1998 Calendar year = 4,700 tons

- 4) **Contributors Name:** Town of Huntingdon
Contact Name and Phone Number: Martha Taylor, (901) 986-2902
Waste Types: Mixed Residential
Estimated amount of waste, in tons, disposed of in any Class I Landfill or incinerator during the 1998 Calendar year = 4,100 tons

- 5) **Contributors Name:** Norandal USA, Inc.
Contact Name and Phone Number: Cliff DeRose (901) 986-5011
Waste Types: Mixed Industrial
Estimated amount of waste, in tons, disposed of in any Class I Landfill or incinerator during the 1998 Calendar year = 4,500 tons

8. *Do jurisdictions in the Region have clean up and litter prevention programs in place such as litter grant programs? If yes, please describe the program or programs briefly and list the contacts you have with the programs.*

Yes.

The Carroll County Litter Grant Program provides roadside clean ups in conjunction with County Litter Enforcement and the adopt a Highway Program. The Litter Enforcement and Litter Grant Program are both administered by the Carroll County Director of Solid Waste and Recycling, Mr. Jeff Heyduck, 21650 Hwy 77, Huntingdon, TN 38344, (901) 986-2425

9. *Legislation passed by the General Assembly in 1999 adds consideration of an "economic growth adjustment formula" analysis for reporting solid waste disposal figures and progress toward the 25% waste reduction and diversion goal from year to year. The economic growth formula would include factors like growth rate, employment rates, and taxable transactions in the Region, in addition to population changes.*

Does the Region perceive that this option would express progress on the State's 25% waste reduction goal in a more equitable fashion (a more fair representation of the Region's actual progress)?

Explain your answer.

Although the Carroll and Henry Solid Waste Planning Region has surpassed the 25% waste reduction goal created by the Solid Waste Act of 1991, an option to utilize an economic growth adjustment formula would be beneficial. Henry County annually encountered a 30% increase in Solid Waste tonnage during the months of May through September due to tourism. Carroll County is incurring industrial growth that will also increase the annual solid waste tonnage collected resulting in a solid waste per capita imbalance. Carroll County is also projecting population growth due to the contribution of a watershed lake.

10. *Use of a new base year (1995) and new goal year (2003) to achieve 25% waste reduction and diversion goal are also in the 1999 legislation. Regions may provide documentation to adjust their 1995 base year figures for progress already made in ongoing reduction programs. Explain how the proposed base year change might affect your Region.*

The comparison between the 1989 base year and the 1995 base year indicates no change.

11. *List each county, city, or Part 9 in the Region. Discuss current reduction or diversion programs sponsored by each and the success level enjoyed by the current programs. Be sure to include information about how and to what extent programs are funded or generate revenues. If the jurisdiction has a drop off program, tell about what types of materials are collected and how much. Be sure and detail any yard waste or composting programs as the Department intends to give additional emphasis to these programs in the future. List proposed programs and discuss ten year trends and needs. Discuss how the jurisdictions in the Region work together. Describe education programs and opportunities in each jurisdiction and encouragement that the commercial and industrial sectors receive from these jurisdictions. These jurisdiction-by-jurisdiction description should cover all the topics listed here plus any other that would fully explain efforts in the given jurisdictions.*

The recycling programs within the region are funded through grants, tax appropriations and subsidies from the sales of recyclable material. Please see 5.3 for a detailed description of regional programs.

CHAPTER 4. COLLECTION AND TRANSPORTATION

1. *List collection services available in the Region (in the county or counties and cities within) and basic information regarding services.*

SERVICE	AVAILABLE TO	PAID FOR BY	DESCRIPTION	# OF TRUCKS
Door to Door	Carroll County	Individual Customer	Barker Brothers (901) 352-0401	3
Door to Door	City of Huntingdon	Individual Customer	Waste Mgt. (901) 423-2532	4
Door to Door	City of McKenzie	Individual Customer	Barker Brothers (901) 352-0401	2
Door to Door	City of Bruceton	Individual Customer	City of Bruceton (901) 586-2401	1
Door to Door	City of Atwood	Individual Customer	Barker Brothers (901) 352-0401	2
Door to Door	City of McLemoresville	Individual Customer	Barker Brothers (901) 352-0401	2
Door to Door	City of Trezevant	Individual Customer	Barker Brothers (901) 352-0401	2
Door to Door	City of Clarksburg	Individual Customer	Barker Brothers (901) 352-0401	2
Door to Door	Town of Hollow Rock	Individual Customer	Sanitation Department (901) 586-7773	1
Convenience Center	Carroll County Residents	County	1-Located on Hwy 77	

2. *Describe how each county in the Region meets the Collection Assurance requirements mandated in the Solid Waste Management Act of 1991. (T.C.A. 68-211-851).*

Carroll County provides mandatory door to door solid waste collection to every resident in the region. In addition one transfer station and one convenience center are open 5.5 days per week to cover any additional needs in excess of the weekly door to door pickup.

3. ~~Based on the information available and your experience working in the county, discuss collection needs in the Region, and trends anticipated over the next ten years. This is your opportunity to discuss aspects of the county (or counties) collection system(s) that were perhaps missed in previous questions and to help planners with new directions the county and its Region may wish to pursue. City systems within the Region may also be relevant here. This is also a good place to discuss a system that is working particularly well.~~

As the region is currently meeting the collection assurance requirements and exceeding the 25% reduction goal we feel the system is very successful and will remain adequate to serve the region's needs over the next 10 years.

CHAPTER 5. RECYCLING

1. *Does the Region (or county, city or Part 9 Authority within) have a recycling or waste reduction coordinator? If yes, please provide the following information:*

Yes.

Carroll County:

Name: Jeff Heyduck
Title/Employer: Solid Waste Director
Phone: (901) 986-2425
Address: 21650 Hwy 77 Huntingdon, TN 38344

2. *List the waste reduction programs in the Region. The description should include whether the program is publicly or privately sponsored; if the program is open to all or to a limited group; if materials are dropped off or picked up; if the program is curbside; if the owner/sponsor is a for-profit collector or end-user; if the program is an in-house industrial, commercial or government recycling or reduction program; etc.*

Carroll County has an extensive Recycling Program which consists of one main recycling center with numerous drop-off and collection sites throughout the County. The Carroll County Recycling Program is under the direction of Mr. Jeff Heyduck. The following is a list of the current recycling facilities in the County:

Program Name: Carroll County Recycling
Contact: Jeff Heyduck, Director
Phone Number: (901) 986-2425
Address: 21650 Hwy 77 Huntingdon, TN 38344
Items accepted: varies by collection site. (see following list)
Description: varies by collection site (see following list)

CARROLL COUNTY COLLECTION SITES:

Facility: Carroll County Convenience and Recycling Center
Address: 21650 Hwy 77 Huntingdon, TN 38344
Items accepted: cardboards, sorted office paper, scrap metal, newspaper, plastic, tiles, oil, paint
Description: Recycling drop-off

Facility: HIS Outlet
Address: 30651 Broad St., Bruceton, TN 38317
Items accepted: cardboards, sorted office paper, scrap metal, newspaper, plastic, tiles, oil, paint
Description: Recycling drop-off

Facility: Norandal USA Inc.
Address: 2240 Northwood Dr., Huntingdon, TN 38344
Items accepted: Plastic, newspaper
Description: Recycling drop-off

Facility: Wal-Mart
Address: Hwy 70 and Williams St., Huntingdon, TN 38344
Items accepted: Clothing, Plastic, Newspaper
Description: Recycling and clothing drop-off

Facility: Carroll County Highway Dept.
Address: 151 Owens Ave, Huntingdon, TN 38344
Items accepted: Oil
Description: recycling drop-off

Facility: Carroll County Bus Shop
Address: 410 High St., Huntingdon, TN 38344
Items accepted: Oil
Description: Recycling drop-off

Facility: West Carroll High School
Address: 1595 Hwy 77, Atwood, TN 38220
Items accepted: Plastic, newspaper
Description: Recycling drop-off

Facility: McKenzie City Hall
Address: 2470 Cedar St., McKenzie, TN 38201
Items accepted: Plastic, newspaper, clothing
Description: Recycling and clothing drop-off

In addition to the Carroll County Recycling Program there are also 2 private businesses that buy scrap metal. These are as follows:

Program Name: Nelson Recycling
Contact: Lynn Nelson
Phone Number: (901) 352-3491
Address: 1336 Bells Store Rd.
Items accepted: All metals
Description: Private

Program Name: Stanford Recycling
Contact: Travis Stanford
Phone Number: (901) 986-2473
Address: 2571 Independence Rd. Huntingdon, TN 38344
Items accepted: All types of scrap metal
Description: Private – Buy Back

3. *Based on the information available and your experience working in the county, please describe progress and setbacks in recycling and reduction efforts in the Region. Be sure and include marketing efforts on the part of local programs, their principal end-users, successes and failure in marketing and hope for assistance or change in marketing. Do jurisdictions in the Region cooperate on marketing efforts? Feel free to describe unusual or successful programs that others may wish to emulate. Describe what would assist the counties (and programs within) in their efforts. Please include any future plans for additional recycling, reduction, or end-use programs you are aware of.*

Carroll and Henry operate recycling centers to aid in the reduction of solid waste entering Class I and II landfills. Carroll and Henry have utilized concepts from much larger metropolitan recycling centers and restructures them to rural applications. Both counties utilize van trucks to collect cardboard, newspaper, third class mail, office paper, textbooks, plastics and metals from businesses, industries and the general public. Labor is provided by county employees and county inmates. Although both counties within the region exchange information related to recyclable materials, each county utilizes different brokers, collection and production methods. This difference is due to the demographics of each county. 80% of the recyclable material collected in Henry County is within a 5 mile radius of the Henry County Recycling Center. Carroll County collected recyclable materials from 8 municipalities covering a fifteen mile radius.

Recycling bins are placed in strategic locations throughout each county for the collection of newspapers, plastic and clothing. Oil is collected at three locations in Carroll County and three locations in Henry County. The oil is used as fuel for oil burners, which provide subsidized heating during the winter months.

Markets for recyclable paper have been available with both counties selling paper to Inland Container, Kimberly Clark and PCA. The different recyclable paper grades are baled and shipped in truckload quantities. Carroll and Henry counties utilize brokers to assist in selling collected recyclable paper to end users.

Both Counties in the region are collecting HDPE and PETE. To date, it has been difficult to sell recyclable plastics due to poor market conditions and high transportation cost. Henry County was collecting LDP filer with nominal results.

Neither Carroll or Henry County collect glass. Carroll County began collecting glass in 1995 but discontinued after unsuccessful attempts to sell the collected material. Carroll County was also unable to give the glass to an end user due to transportation costs.

In order for Carroll and Henry County to operate within state guidelines, it is essential to continue with the recycling and solid waste grants. These grants have been an integral part of providing equipment and facilities for recycling assistance and for removal of different or special waste.

Future plans for the region include acquiring more recyclable material, a building expansion for Carroll County, continued education and locating markets for glass and plastic. Henry County plans on an aggressive program to collect more yard waste. Henry County is also planning an upgraded method to increase the amount of office paper collected.

4. *The law requires that every county within the Region have at least one recycling drop-off facility available to all county residents. The facility does not have to be publicly owned or collect a specified volume or type of recyclable. However, a collection facility must be available for at least one material that is actually recycled (marketed and reused). Please list recycling collection site(s) for each county in the Region and describe the facility or program (a similar question is asked in Regional Annual Progress Reports).*

RECYCLING FACILITIES			
SITE NAME	COUNTY	ITEMS COLLECTED	DESCRIPTION
Carroll County Convenience and Recycling Center	Carroll	cardboard, sorted office paper, scrap metal, newspaper, plastic, tires, paint, oil	Recycling drop-off
H.I.S. Outlet	Carroll	plastic, newspaper	Recycling drop-off
Norandal U.S.A., Inc.	Carroll	plastic, newspaper	Recycling drop-off
Wal-Mart	Carroll	plastic, newspaper, clothing	Recycling and clothing drop-off
Carroll County Hwy Dept.	Carroll	oil	Recycling drop-off
Carroll County Bus Shop	Carroll	oil	Recycling drop-off
West Carroll High School	Carroll	plastic, newspaper	Recycling drop-off
McKenzie City Hall	Carroll	plastic, newspaper, clothing	Recycling and clothing drop-off
Nelson Recycling	Carroll	scrap metal	Private Buy Back
Stanford Recycling	Carroll	scrap metal	Private Buy Back

CHAPTER 6. DISPOSAL

1. *Please list all the landfills, transfer stations, Municipal Solid Waste incinerators, Landfill Gas to Energy facilities, and Waste to Energy facilities in the Region.*

Name of Facility: Barker Brothers Waste, Inc.
Owner: Barker Brothers
Operator/Contact: Ted Finley
Phone Number: (901) 352-0401
Address/Location/County: 21686 Hwy 22, McKenzie, TN
38320
Classification: Transfer Station
Jurisdiction Served: Carroll Co., Henry Co., Weakley Co.
Permit Number: SWP 09-101-1111
Tipping Fee per Ton: \$24.19
Special Tipping Fee: None
Does the Facility Produce Energy: No
Transfer from Where to Where: Carroll Co. to Troy, TN
Materials the Facility
Receives/Limits: Municipal Solid Waste

2. *Identify Class I waste exported from or imported to the Region. Include origin and destination. Name the relevant county and Region.*

CLASS I WASTE EXPORTED

EXPORTED TO: COUNTY/REGION/STATE	EXPORTED: FACILITY NAME AND OWNER	ESTIMATED TONNAGE EXPORTED FROM REGION TO CLASS I LANDFILLS
Benton Co./Benton/TN	West Camden Landfill Owner: H&W Environmental	7,158.33 tons
Obion Co./Lake-Obion- Weakley/TN	Northwest TN Disposal Landfill Owner: Republic Services	14,209.82 tons

CLASS I WASTE IMPORTED

None

3. *Based on the information available and your experience working in the Region, evaluate disposal needs. Is efficient disposal assured at a reasonable price for the ten year planning horizon? What changes in the disposal system are being contemplated? What changes should be contemplated with consideration to anticipated growth and disposal demands?*

Carroll and Henry Counties provide efficient disposal of solid waste to all county residents. Carroll County provides mandatory solid waste collection to all county residents for a fee of \$7.00 per month with once a week pickup. Henry County provides county pickup service to county residents for a fee of \$11.30 per month with once a week pickup. One convenience center is located in each county to enhance services to the general public. Due to the success of the region's solid waste collection system no changes are projected. The current solid waste disposal system is subcontracted through Barker Brothers Waste Inc. and Waste Management. These current systems can be improved to accept any increases in solid waste tonnage.

4. *Of the facilities listed in this chapter, which have planned capacity assurance of less than ten years? Five years?*

West Camden Landfill. 4 years

5. *Are all publicly held Class I landfills or incinerators in the Region accounting for financial activities in an enterprise fund as required by law?*

Carroll County has no Class I Landfills or incinerators.

CHAPTER 7. PROBLEM WASTES

1. *Has this county taken advantage of the State's household hazardous waste mobile collection service in the last two years? Please describe.*

Yes, Carroll County collected 4,250 lbs. of waste at the Collection Event held on 6/12/99 and 6,179 lbs. of waste at the Collection Event held on 6/13/98.

2. *Does a jurisdiction within the Region operate a permanent household hazardous waste collection center?*

No

3. *Briefly discuss the Region's (and jurisdiction within) level of success with household hazardous waste collection and level of satisfaction with the State program. Include changes area officials would like to make or see made. Describe plans for a local household hazardous waste program.*

The Household Hazardous Waste collection events have been very beneficial to the residents of Carroll and Henry counties. Many of the items collected at these events would be disposed of in household garbage or illegal dump sites. Over the past five years, the program has been very progressive and efficient for the region. Both counties in the region have dates set for the year 2000. Henry County will have a collection event on May 20, 2000. Henry County has had past collections events on May 22, 1999 and September 28, 1998. Carroll County's next collection event will be April 8, 2000. Carroll County has had past collection events on June 12, 1999 and June 13, 1998.

Carroll nor Henry County have plans for a local household hazardous waste program.

4. *Describe the Region's efforts to see that waste tire collection mandates are met. Bear in mind that at least one site (public or private) per county must be available to local citizens for the county or counties to be in compliance with the law. List the site(s) available. Describe what happens to waste tires in the Region once they are collected.*

Waste tires are collected in the region at each county's tire site or by a private hauler at the dealer's locations. Carroll County has one public tire collection site located at the Carroll County Recycling Center, 21650 Hwy 77, Huntingdon, TN 38344. Henry County has one public tire collection site located at Paris Henry County Landfill, Jones Bend Rd., Paris, TN 38242. Both counties utilize Martin Tire Recovery for the transportation and chipping of waste tires. The tire chips are utilized as fuel at the Owensboro Municipal Utilities Steam Plant, P.O. Box 806, Owensboro, KY 42302. Tires are collected from the region every two weeks.

5. *Discuss the Region's level of satisfaction with waste tire collection efforts in the area and the State waste tire program. What changes are foreseen? What changes are needed?*

Services from the Waste Tire Collection Program have been less than adequate. Until recently, it has been difficult for the region to retain a waste tire hauler or beneficial end user that was consistent. Due to unsatisfactory attempts to acquire the option one tire shredder, the region transferred to option two for tire removal.

It should be recommended that the State conduct another feasibility study on the cost of waste tire removal. Current expenditures for tire removal have exceeded any revenues offered to regions under option two or option three. Possible revenue could be acquired by including a tire disposal fee on new vehicles.

6. *Do counties in the Region have a problem with waste tire dumping? If yes, describe specific sites and discuss the problem.*

No, the region has removed the few documented illegal tire dumps with grant money provided by the Department of Environment and Conservation.

7. *Describe the Region's efforts to see that oil and auto fluid collection site mandates, and lead acid battery collection site mandates, are met. Bear in mind that at least one site (public or private) per county must be available to local citizens for the county or counties to be in compliance with the law. List the site(s) available.*

Carroll and Henry Counties provide oil, auto fluids, and battery collection at their recycling/convenience center (for Carroll County sites available see Chapter 5). Both counties collect oil, auto fluids, and batteries at their household hazardous waste events.

CHAPTER 8. SOLID WASTE EDUCATION

1. *Please list persons or organizations that are active in efforts to educate the public regarding solid waste matters in the Region. It is appropriate to list a program like Keep Tennessee Beautiful (formerly Clean Tennessee), Keep America Beautiful, or Tennessee Solid Waste Education Program (TNSWEP). It is also appropriate to list an individual like a reporter, an extension agent, a school teacher, or a local official who has made special efforts to help educate school children or adults in the county regarding solid waste issues. Include any in-house industrial solid waste education programs. Describe the nature of each effort and level of participation.*

Name: Jeff Heyduck, Director
Organization/Sponsor: Carroll County Recycling – Litter Grant Program
County: Carroll
Phone Number: (901) 986-1943
Address: 21650 Hwy 77 Huntingdon, TN 38344
Target participants: General public and schools
Description of activities: Discussing recycling and litter prevention

Name: Marjorie Sowder
Organization/Sponsor: West Carroll Primary Schools
County: Carroll
Phone Number: (901) 986-8359
Address: P.O. Box 219 McLemoresville 38235
Target participants: 4th through 12th
Description of activities: Education on environmental issues

Name: Gina Maddox
Organization/Sponsor: Clarksburg Primary School
County: Carroll
Phone Number: (901) 986-3165
Address: 145 Clarksburg Rd., Clarksburg, TN 38324
Target participants: Primary School Students
Description of activities: Education and environmental issues

Name: Trudy Radford
Organization/Sponsor: Huntingdon Primary School
County: Carroll
Phone Number: (901) 986-3091
Address: 199 Browning Ave Huntingdon TN 38344
Target participants: Primary School Students
Description of activities: Education for environmental issues

Name: Lisa Hayes
Organization/Sponsor: Huntingdon Elementary School
County: Carroll
Phone Number: (901) 986-4544
Address: 199 Browning Ave Huntingdon TN 38344
Target participants: Elementary School Students
Description of activities: Education for environmental issues

Name: Tifiney Smith
Organization/Sponsor: McKenzie School
County: Carroll
Phone Number: (901) 352-5272
Address: 165 Brooks Av., McKenzie TN 38201
Target participants: Elementary School Students
Description of activities: Education for environmental issues

Name: Buddy Smothers
Organization/Sponsor: Bruceton High School
County: Carroll
Phone Number: (901) 586-2161
Address: 29590 Broad St., Bruceton TN
Target participants: High School
Description of activities: Education for environmental issues

2. *Based on the information available and your experience working in the Region, please describe outstanding needs in the area of public solid waste education. What progress has been made and what is planned? Should more be done to keep the public informed? How can the State and technical assistance agencies assist in this effort? Has the county or its Region filed an education action plan and made use of the Division of Community Assistance's Pathways to Education book?*

The Carroll and Henry County Municipal Solid Waste Region has progressed from a concept to a functioning recycling and waste reduction program through education. Although ample education and information concerning recycling and solid waste reduction is provided by the region to the public, a need for the population to develop a desire to participate with these programs is still evident. Both Carroll and Henry Counties utilize the state's Community Solid Waste Education Plan and the TDOT Litter Program to educate students, businesses, government, media and the general public.

Neither County has filed an education action plan or made use of the Division of Community Assistance's "Pathways to Education" book, however the solid waste director's from both Carroll and Henry County give presentations approximately twice a month to various civic groups, schools, church, businesses, and industries relative to recycling, litter prevention, and waste reduction.

CHAPTER 9. FLOW CONTROL AND PERMIT REVIEW

1. *Does the Region or jurisdictions within make any attempt to control the flow of waste? If yes, please explain.*

No

2. *Does the Region foresee any outstanding issues with regard to permit review of flow Control?*

No

CHAPTER 10. FIVE YEAR UPDATE REVIEW AND APPROVAL

1. *Describe the required public hearing held after the Revised Plan (Five Year Update) was completed. The meeting should be held at a central location in the Region and open to the general public. What day was the meeting held? Where? What was the level of participation? Summarize comments. Include a copy of the public notice, and indicate when and where it was published.*

A Public Hearing was held October 11, 1999 at 5:30 pm at the Carroll County Courthouse, 99 Court Square, Huntingdon, Tennessee for the Five year Update. The Affidavit of Publication of the Public hearing Notice in the McKenzie Banner in the September 29, 1999 issue is included in Appendix A-5.

The Public Hearing was called to order at 5:30 pm by Jeff Heyduck, Carroll County Solid Waste Director. An overview of the Five Year Update to the Solid Waste Plan was presented. No comments were made by the public. Present were Jeff Heyduck; Kenny McBride, County Executive; and Scot St. John, Griggs & Maloney, Inc. The hearing was closed at 5:45 pm.

2. *Local planning Commissions in the Region should be made aware of the Five-year Update and given an opportunity to review it. Was this done? Include comments and responses.*

Carroll County does not have a separate planning commission. Prior to the dissolution of the Carroll-Henry County Region in July 1999, the Carroll and Henry County Solid Waste Board reviewed solid waste issues and directed items for approval to the County Commissions. As discussed in Chapter 2, the Carroll County Commission is in the process of appointing a Carroll County Solid Waste Board. Since this Board is not formally approved, the Five Year Update was presented directly to the Carroll County Commission for approval.

The local planning commissions of the individual municipalities were given the opportunity to review the Five Year Update, however no comments were received.

3. *Please include a copy of a resolution from every county in the Region approving the Five-Year Plan update. The Department will not approve your plan without this documentation. If a Part 9 Authority has been formed, please include a copy of the resolution of approval from the Authority Board of Directors.*

The Carroll County Commission unanimously approved the Five Year Update to the Solid Waste Plan by Resolution at the October 11, 1999 commission meeting. A copy of the resolution is included in Appendix A-5.

APPENDIX A-1

SOLID WASTE REGIONAL BOARD LIST

Carroll and Henry County Solid Waste Board

7 Members: 3 Henry, 3 Carroll, and 1 Both Counties

1. **Brent Greer** (6 year, expires 1/2001), appointed by Henry County Executive and confirmed by County Commission. Regional Chairman.
2. **Frank Gallimore** (4 year, expires 1/2001), appointed by Henry County Executive and confirmed by County Commission.
3. **Larry Crawford** (6 year, expires 1/2005), appointed by Henry County Executive and confirmed by County Commission.
4. **Dale Kelley** (6 year, expires 1/2001), appointed by Carroll County Executive and confirmed by County Commission.
5. **Patty Edwards** (6 year, expires 1/2005), appointed by Carroll County Executive and confirmed by County Commission.
6. **John Mann** (4 year, expires 1/2003), appointed by Carroll County Executive and confirmed by Carroll County Commission.
7. **Dr. Larry Vick** (4 year, expires 1/2003), appointed by Carroll County Executive and confirmed by County Commission. (Represents both Carroll and Henry Counties)

Carroll County Solid Waste Planning Region

5 Members

1. **John Mann** (2 year, expires 1/2001), appointed by Carroll County Executive and confirmed by County Commission.
2. **Billy Crum** (2 year, expires 1/2001), appointed by Carroll County Executive and confirmed by County Commission.
3. **Donna Richardson** (2 year, expires 1/2001), appointed by Carroll County Executive and confirmed by County Commission.
4. **John Wright** (4 year, expires 1/2003), appointed by Carroll County Executive and confirmed by County Commission.
5. **Joe David Brandon** (6 year, expires 1/2005), appointed by Carroll County Executive and confirmed by County Commission.

APPENDIX A-2

**BUDGET: FY 1997-98
SOLID WASTE FUND BUDGETS**

Carroll County, Tennessee
Solid Waste/Sanitation Fund
Statement of Proposed Operations
For the Fiscal Year Ending June 30, 2000

Account No.	Description	Actual 1997-1998	Estimated 1998-1999	Estimated 1999-2000
	Estimated Revenues			
	LOCAL TAXES			
40000	LOCAL TAXES			
40100	County Property Taxes			
40110	Current Property Tax	\$ 218,805	\$ 220,000	\$ 225,600
40120	Trustee's Collections - Prior Year	10,723	8,000	8,500
40130	Circuit/Clerk & Master Collections - Prior Years	5,267	4,000	4,000
40140	Interest and Penalty	2,150	1,400	1,850
40162	Payments in Lieu of Taxes - Local Utilities	23,696	23,000	23,500
40163	Payments in Lieu of Taxes - Other	7,474	7,000	7,000
	TOTAL LOCAL TAXES	\$ 268,115	\$ 263,400	\$ 270,450
	CHARGES FOR CURRENT SERVICES			
43000	General Service Charges			
43100	Residential Waste Collection Charge	\$ 416,397	\$ 410,000	\$ 460,000
43114	Solid Waste Disposal Fee	75	0	75
43300	Fees			
43380	Vending Machine Collections	22	0	20
	TOTAL CHARGES FOR CURRENT SERVICES	\$ 416,494	\$ 410,000	\$ 460,095
	OTHER LOCAL REVENUES			
44000	Recurring Items			
44100	Investment Income	\$ 568	\$ 0	\$ 0
44145	Sale of Recycled Materials	33,931	30,000	20,000
44170	Miscellaneous Refunds	40	0	0
	TOTAL OTHER LOCAL REVENUES	\$ 34,539	\$ 30,000	\$ 20,000
	STATE OF TENNESSEE			
46000	General Government Grants			
46100	Solid Waste Grants	\$ 23,429	\$ 15,000	\$ 234,000
46400	Public Works Grants			
46430	Litter Program	29,770	32,000	33,000
	TOTAL STATE OF TENNESSEE	\$ 53,199	\$ 47,000	\$ 267,000
	Total Estimated Revenues	\$ 772,347	\$ 750,400	\$ 1,017,545
	Estimated Expenditures			
	PUBLIC HEALTH AND WELFARE			
55000	Waste Pickup			
55731	Accountants/Bookkeepers	\$ 11,277	\$ 17,810	\$ 14,527
119	Other Salaries & Wages	3,156	5,000	2,500
189	Communication	829	1,000	1,250
307	Contracts with Private Agencies	342,384	347,000	419,000
312	Legal Services	4,000	8,000	8,000
331	Legal Notices, Recording and Court Costs	244	500	500
332	Maintenance Agreements	136	250	250
334	Postal Charges	11,437	13,000	13,000
348	Maintenance and Repair Services - Records	4,566	5,500	5,500
367				

Carroll County, Tennessee
Solid Waste/Sanitation Fund
Statement of Proposed Operations (Cont.)

Account No.	Description	Actual 1997-1998	Estimated 1998-1999	Estimated 1999-2000
Estimated Expenditures (Cont.)				
PUBLIC HEALTH AND WELFARE (Cont.)				
55000	Waste Pickup (Cont.)			
55731	Office Supplies	\$ 1,219	\$ 2,000	\$ 2,000
435	Other Charges	1,450	1,000	1,800
599	Office Equipment	0	1,000	1,000
719				
Total Waste Pickup		\$ 380,698	\$ 402,060	\$ 469,327
55751	Recycling Center	\$ 0	\$ 5,000	\$ 5,000
169	Part-time Personnel	148,622	137,054	159,428
189	Other Salaries & Wages	1,888	2,500	2,500
307	Communication	7,289	16,000	16,000
312	Contracts with Private Agencies			
332	Legal Notices, Recording and Court Costs	1,102	1,000	1,000
335	Maintenance & Repair Services- Buildings	587	2,500	5,000
336	Maintenance & Repair Services- Equipment	3,381	3,500	3,500
338	Maintenance & Repair Services- Vehicles	4,815	6,000	6,000
		0	150	150
340	Medical and Dental Services	41	500	500
348	Postal Charges	1,187	1,250	1,250
355	Travel	0	10,000	10,000
360	Brokerage Fees - Recyclables	6,672	6,000	6,000
399	Other Contracted Services	489	1,000	1,000
410	Custodial Supplies	5,777	10,000	10,000
425	Gasoline	336	1,200	1,200
435	Office Supplies	4,713	7,000	7,000
452	Utilities	1,010	1,350	1,350
499	Other Supplies and Materials	2,654	2,800	3,500
506	Liability Insurance	9,193	10,000	10,000
510	Trustee's Commission	935	1,500	15,500
599	Other Charges	0	4,000	250,000
707	Building Improvements	0	25,000	0
718	Motor Vehicles	398	500	500
719	Office Equipment	23,390	17,000	25,000
790	Other Equipment			
Total Recycling Center		\$ 224,479	\$ 272,804	\$ 541,378
OTHER GENERAL GOVERNMENT				
58000	Employee Benefits	\$ 12,952	\$ 13,500	\$ 15,250
58600	Social Security	6,658	7,200	7,250
201	State Retirement	31,449	30,000	32,915
204	Employee and Dependent Insurance	1,125	1,000	1,600
205	Unemployment Compensation	6,328	8,000	8,500
210	Worker's Compensation Insurance			
513				
Total Employee Benefits		\$ 58,512	\$ 59,700	\$ 65,515

Carroll County, Tennessee
Solid Waste/Sanitation Fund
Statement of Proposed Operations (Cont.)

Account No.	Description	Actual 1997-1998	Estimated 1998-1999	Estimated 1999-2000
	Estimated Expenditures (Cont.)			
60000	HIGHWAYS			
64000	Litter and Trash Collection			
147	Truck Drivers	\$ 12,661	\$ 17,810	\$ 17,810
301	Accounting Services	2,183	2,400	0
309	Contracts with Government Agencies	180	2,000	2,052
338	Maintenance & Repair Services- Vehicles	976	1,700	2,500
499	Other Supplies and Materials	792	952	2,500
599	Other Charges	3,356	8,150	8,150
	Total Litter and Trash Collection	\$ 20,148	\$ 33,012	\$ 33,012
	Total Estimated Expenditures	\$ 683,837	\$ 767,576	\$ 1,109,232
	Excess of Estimated Revenues Over (Under) Estimated Expenditures	\$ 88,510	\$ (17,176)	\$ (91,687)
	Estimated Beginning Fund Balance - July 1	380,827	469,337	452,161
	Estimated Ending Fund Balance - June 30	\$ 469,337	\$ 452,161	\$ 360,474

Revenue Estimates And Appropriation Requests
For Fiscal Year Ending JUNE 30, 1999

Date Submitted by Department

131 SOLID WASTE COLLECTION FUND

Account Description	Actual 1997-1997	Actual 1997-1998	Current Amended Budget/Original Budget	Actual Thru 06/01/1999	APPROVED FY-2000 BUDGET	PROPOSED FY-99 YEAR-END
	-1-		-2-	-3-	-6-	-7-

34410 SANITATION COLLECTION	173,509	160,000	160,000	148,820	148,820	225,000
	156,747	160,000	160,000			
Total Revenue	173,509	160,000	160,000	148,820	148,820	225,000
	156,747	160,000	160,000			
Total Revenue & Other Sources	173,509	160,000	160,000	148,820	148,820	225,000
	156,747	160,000	160,000			

-4-

-5-

CITY OF MCKENZIE, TENNESSEE
SOLID WASTE FUND
STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND EQUITY -
BUDGET AND ACTUAL
For the Year Ended June 30, 1998

	Budget	Actual	Variance Favorable (Unfavorable)
Revenues			
Charges for Services			
Sanitation Collections	226,800	225,642	(1,158)
Total Charges for Services	<u>226,800</u>	<u>225,642</u>	<u>(1,158)</u>
Total Revenues	<u>226,800</u>	<u>225,642</u>	<u>(1,158)</u>
Expenditures			
Sanitation			
Salaries	56,000	78,458	(22,458)
OASI Expense	2,800	3,541	(741)
Hospital and Health Insurance	4,700	-	4,700
Retirement	800	1,895	(1,095)
Advertising	300	-	300
Repairs and Maintenance	8,200	861	7,339
Disposal Contract	168,000	167,080	920
Dog Catching	2,500	-	2,500
Utilities	1,900	-	1,900
Telephone	200	-	200
Office Supplies	250	-	250
Operating Supplies	150	74	76
Insurance	3,000	411	2,589
Gas and Oil	2,400	2,635	(235)
Uniforms	330	51	279
Miscellaneous	3,280	1,178	2,102
Total Sanitation	<u>254,810</u>	<u>256,184</u>	<u>(1,374)</u>
Landfill			
Landfill Closure Costs	10,000	6,128	3,872
Total Landfill	<u>10,000</u>	<u>6,128</u>	<u>3,872</u>
Total Expenditures	<u>264,810</u>	<u>262,312</u>	<u>2,498</u>

CITY OF MCKENZIE, TENNESSEE
SOLID WASTE FUND
STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND EQUITY -
BUDGET AND ACTUAL
For the Year Ended June 30, 1998

	<u>Budget</u>	<u>Actual</u>	<u>Variance Favorable (Unfavorable)</u>
Excess (Deficiency) of Revenues Over Expenditures	(38,010)	(36,670)	1,340
Other Financing Sources (Uses): Operating Transfer In	<u>80,000</u>	<u>18,788</u>	<u>(61,212)</u>
Excess (Deficiency) of Revenues and Other Sources over (under) Expenditures and Other Uses	<u>41,990</u>	<u>(17,882)</u>	<u>(59,872)</u>
Fund Equity - Beginning		<u>21,149</u>	
Fund Equity - Ending		<u>3,267</u>	

CITY OF MCKENZIE BUDGET FY 98/99 (June 30, 1999)

ACCOUNT #	YTD	% SPENT	FY 99 BUDGET	PROPOSED	DIFF
SANITATION DEPT					
ACCOUNT #	YTD	% SPENT	FY 99 BUDGET	FY 2000 BUDGET	DIFF
00414 010	\$48,256.09	95.56	\$50,500.00	\$52,015.00	\$1,515.00
00414 040	\$0.00		\$0.00		\$0.00
00414 050	\$3,777.06	99.40	\$3,800.00	\$3,914.00	-\$114.00
00414 060	\$0.00	0.00	\$4,700.00	\$4,700.00	\$0.00
00414 070	\$0.00		\$0.00		\$0.00
00414 080	\$0.00		\$0.00		\$0.00
00414 090	\$3,256.62	407.08	\$800.00	\$2,300.00	-\$1,500.00
00414 110	\$0.00		\$0.00		\$0.00
00414 130	\$0.00		\$0.00		\$0.00
00414 140	\$0.00		\$0.00		\$0.00
00414 150	\$0.00		\$0.00	-\$1,669.00	-\$1,669.00
00414 190	\$0.00	0.00	\$200.00		(\$200.00)
00414 200	\$1,967.43	93.37	\$2,000.00	\$3,000.00	\$1,000.00
00414 210	\$0.00		\$0.00		\$0.00
00414 220	\$9.09		\$0.00	\$800.00	\$800.00
00414 230	\$232.51	161.67	\$150.00	\$600.00	\$450.00
00414 240	\$441.69	73.62	\$600.00	\$109.00	(\$500.00)
00414 250	\$1,666.27	166.93	\$1,000.00	\$100.00	(\$900.00)
00414 260	\$74.01	2.47	\$3,000.00		(\$3,000.00)
00414 280	\$681.13	200.34	\$330.00	\$700.00	\$370.00
00414 340	\$1,399.99	75.56	\$1,800.00	\$4,500.00	(\$3,000.00)
00414 410	\$287.17		\$0.00	\$1,200.00	\$1,200.00
00414 440	\$0.00		\$0.00		\$0.00
00414 450	\$1,75,120.69	103.01	\$1,70,000.00	\$1,70,000.00	\$0.00
00414 490	\$2,646.00	264.60	\$1,000.00	\$2,500.00	\$1,500.00
00414 500	\$0.00		\$0.00		\$0.00
00414 510	\$52,909.67	131.64	\$25,000.00	\$27,000.00	\$2,000.00
00414 600	\$0.00		\$0.00		\$0.00
00414 610	\$0.00		\$0.00		\$0.00
00414 620	\$0.00		\$0.00		\$0.00
00414 630	\$0.00		\$0.00		\$0.00
00414 640	\$0.00		\$1,040.00		(\$1,040.00)
00414 700	(\$239,734.08)	79.92	(\$262,420.00)	(\$267,929.00)	(\$5,509.00)
TOTAL SANITATION DEPT.					

**ANNUAL BUDGET
TREZEVANT, TENNESSEE
1999-2000**

201 SOLID WASTE FUND

202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228

Account # Description

REVENUES
34410 Sanitation Collection Fees & LFF
38860 Transfer from General Fund

TOTAL REVENUES

EST. BEGINNING BALANCE

TOTAL AVAILABLE FUNDS

EXPENDITURES

43200 Sanitation
297 Landfill Fees
799 Miscellaneous

TOTAL EXPENDITURES

	Prior Year Actual 1997-98	Budget 1998-99	Estimated 1998-99	Budget 1999-2000
				41,000
	40,673	41,000		
	40,673	41,000	0	41,000
	(1,082)	(466)	(466)	(466)
	39,591	40,534	(466)	40,534
				40,000
	39,985	40,000		
	72			
	40,057	40,000	0	40,000

TOWN OF ATWOOD
1997-98 BUDGET-SANITATION FUND

ACCT. #131	DEBIT	CREDIT
34400 CHARGES FOR SERVICE	\$46,000.00	
43200-290 WASTE COLLECTION		\$38,000.00
43200-298 COLLECTING BILLS		\$920.00
43200-310 OFFICE SUPPLIES		\$300.00
27000 FUND BALANCE		\$6,780.00
TOTAL	\$46,000.00	\$46,000.00

TOWN OF ATWOOD
1998-99 BUDGET-SANITATION FUND

ACCT. #131	DEBIT	CREDIT
34400 CHARGES FOR SERVICE	\$48,000.00	
43200-290 WASTE COLLECTION		\$40,000.00
43200-298 COLLECTING BILLS		\$920.00
43200-310 OFFICE SUPPLIES		\$300.00
27000 FUND BALANCE		\$8,780.00
TOTAL	\$48,000.00	\$48,000.00

TOWN OF ATWOOD
1999-00 BUDGET-SANITATION FUND

ACCT. #131	DEBIT	CREDIT
34400 CHARGES FOR SERVICE	\$50,000.00	
43200-290 WASTE COLLECTION		\$48,000.00
43200-298 COLLECTING BILLS		\$920.00
43200-310 OFFICE SUPPLIES		\$300.00
27000 FUND BALANCE		\$2,780.00
TOTAL	\$50,000.00	\$50,000.00

TOWN OF HOLLOW ROCK
1997-98 ENTERPRISE FUND BUDGET

REVENUES:		\$29,700.00	
EXPENDITURES:		\$13,278.00	1106.50
Wages		11,571.00	
Tippage Fee		1,000.00	
Gasoline		1,050.00	87.50
Payroll Taxes		400.00	
Vehicle Maintenance		312.00	
Contract Labor		50.00	
Solid Waste Fee		500.00	
Office Supplies		1,000.00	
Other Insurance		539.00	
Misc.			
TOTAL		\$29,700.00	

Wages 1106.50 per month
 Payroll tax 87.50
 1194.00

Gas 83.33
 Office 416.7
 Ins. 83.33
 1,402.33 per month

TOWN OF HOLLOW ROCK
1998-99 ENTERPRISE FUND BUDGET

REVENUES:	(428 customers x \$5.50)	\$28,248.00
EXPENDITURES:		
Wages	(Tim \$8.24 per hour)	\$17,179.00
Tippage Fee		8,500.00
Gasoline		800.00
Payroll Taxes		1,315.00
Vehicle Maintenance		404.00
Solid Waste Fee		50.00
TOTAL		\$28,248.00

TOWN OF HOLLOW ROCK
1999-2000 ENTERPRISE FUND BUDGET

REVENUES:	(425 customers x \$7.00)	\$35,700.00
EXPENDITURES:		
Wages	(Tim \$8.24 per hour)	\$17,179.00
Tippage Fee		8,500.00
Gasoline		496.00
Payroll Taxes		1,325.00
Vehicle Maintenance		500.00
Solid Waste Fee		50.00
Equipment purchase (truck)		7,650.00
TOTAL		\$35,700.00

TOWN OF BRUCETON, TENNESSEE
STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND
EQUITY - BUDGET AND ACTUAL
SOLID WASTE FUND

For the Year Ended June 30, 1997

	Budget	Actual	Variance Favorable (Unfavorable)
Revenues			
Sanitation Fees	71,229	71,229	-
Sale of Fixed Assets	-	7,000	7,000
Total Revenues	71,229	78,229	7,000
Expenditures			
Sanitation			
Salaries	26,411	26,587	(176)
Payroll Taxes	2,037	2,028	9
Employee Benefits	6,700	6,928	(228)
Repairs and Maintenance	1,121	1,013	108
Materials and Supplies	650	634	16
Waste Disposal	20,105	20,461	(356)
Capital Outlay	10,584	-	10,584
Note Payments	-	9,480	(9,480)
Interest Expense	-	1,060	(1,060)
Miscellaneous	310	355	(45)
Total Expenditures	67,918	68,546	(628)
Excess(Deficit) of Revenues Over (Under) Expenditures	3,311	9,683	6,372
Other Financing Sources (Uses):			
Operating Transfers In	-	1,363	1,363
Operating Transfers Out	-	(11,380)	(11,380)
Total Other Financing Sources (Uses)	-	(10,017)	(10,017)
Excess(Deficit) of Revenues and Other Sources Over(Under) Expenditures and Other Uses	3,311	(334)	(3,645)
Fund Equity (Deficit) - Beginning		(2,065)	
Fund Equity (Deficit) - Ending		(2,399)	

See accompanying notes to financial statements.

**TOWN OF BRUCETON, TENNESSEE
STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND
EQUITY - BUDGET AND ACTUAL
SOLID WASTE FUND**

For the Year Ended June 30, 1998

	Budget	Actual	Variance Favorable (Unfavorable)
Revenues			
Sanitation Fees	73,059	73,085	26
Total Revenues	73,059	73,085	26
Expenditures			
Sanitation			
Salaries	27,633	26,221	1,412
Payroll Taxes	2,114	2,042	72
Employee Benefits	10,259	10,327	(68)
Repairs and Maintenance	2,300	1,841	459
Materials and Supplies	1,524	1,459	65
Waste Disposal	20,096	20,049	47
Capital Outlay	10,050	-	10,050
Uniforms	-	48	(48)
Note Payments	-	9,965	(9,965)
Interest Expense	-	531	(531)
Miscellaneous	300	285	15
Total Expenditures	74,276	72,768	1,508
Excess(Deficit) of Revenues Over (Under) Expenditures	(1,217)	317	1,534
Other Financing Sources (Uses):			
Operating Transfers In	-	2,713	2,713
Operating Transfers Out	-	(2,801)	(2,801)
Total Other Financing Sources (Uses)	-	(88)	(88)
Excess(Deficit) of Revenues and Other Sources Over(Under) Expenditures and Other Uses	(1,217)	229	1,446
Fund Equity (Deficit) - Beginning		(2,399)	
Fund Equity (Deficit) - Ending		(2,170)	

See accompanying notes to financial statements.

Capital Outlay	\$5,600.00
Note Payments	\$14,000.00
Interest on Note	\$2,822.00
Equipment Repair	\$485.00
School/Training	\$5,500.00
Utilities	\$600.00
TOTAL STREET DEPARTMENT	\$1,860.00
	\$70,247.00

EXPENSES...CULTURE & RECREATION	
Senior Citizens	
City Parks	\$3,400.00
Little League	\$12,000.00
TOTAL CULTURE & RECREATION	\$1,300.00
	\$16,700.00

EXPENSES...OTHER	
May Franklin (Water & Sewer)	
TOTAL OTHER	\$470.00
	\$470.00

TOTAL GENERAL FUND DISBURSEMENTS	\$459,917.00
---	---------------------

EXPENSES...DRUG FUND	
Drug Purchases	
Informants	\$500.00
Supplies	\$700.00
TOTAL DRUG FUND DISBURSEMENTS	\$450.00
	\$1,650.00

EXPENSES...SANITATION DEPARTMENT

Salaries	
Payroll Tax	\$29,650.00
Employee Benefits	\$2,300.00
Uniforms	\$15,020.00
Supplies	\$650.00
Tippage Fees	\$1,500.00
Equipment Repair	\$12,800.00
Other	\$5,500.00
TOTAL SANITATION DEPARTMENT	\$700.00
	\$68,120.00

*BUDGET
1999-2000*

Bruceton

Sale of Materials	\$650.00
Copy Machine	\$50.00
Cable Television	\$9,900.00
Business Tax & License	\$2,200.00
Sales Tax (Local)	\$84,200.00
Income Tax	\$1,600.00
Beer Tax	\$780.00
Street & Transportation	\$3,890.00
Sales Tax	\$92,000.00
Other Income	\$8,000.00
COPS Grant Income	\$26,600.00
Excise Tax	\$4,150.00
Drinks	\$650.00
TOTAL GENERAL FUND	\$463,490.00

INCOME...UTILITY SALES	
Water/Sewer Collections	\$466,000.00
Penalties	\$8,100.00
Connections	\$450.00
Sales of Materials	\$150.00
Interest Income	\$34,000.00
Miscellaneous Income	\$8,000.00
TOTAL UTILITY SALES	\$516,700.00

INCOME...STATE STREET AIDE	
Gasoline Tax	\$44,200.00
Interst Income	\$1,240.00
TOTAL STATE STREET AIDE	\$45,440.00

DRUG FUND INCOME	\$2,800.00
TOTAL DRUG FUND	\$2,800.00

SANITATION DEPT. <u>INCOME</u>	\$74,000.00
TOTAL SANITATION DEPT. INCOME	\$74,000.00

TOTAL INCOME	\$1,102,430.00
---------------------	-----------------------

*Budget
1999-2000*

Bruceton

1997-98

\$ 13,128.00

1998-99

\$ 15,000.00

1999-00

\$ 16,000.00

APPENDIX A-3

REGIONAL FORMATION RESOLUTION

RESOLUTION

NO. 7-5-99

A RESOLUTION DISSOLVING THE HENRY
AND CARROLL COUNTIES MUNICIPAL
SOLID WASTE PLANNING REGION AND
CREATING CARROLL COUNTY'S
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 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, T.C.A. 68-211-801, 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, unto County's Board of County Commissioners have given consideration to the needs assessments prepared by the Northwest 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 is the formation of multi-county regions with counties having the option of forming single or multi-county municipal solid waste regions to assist these regions in developing their municipal solid waste region 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 Carroll County; and

WHEREAS, formation of Henry and Carroll County Municipal solid Waste Planning Region does not provide for the most cost effective and efficient management of municipal solid waste in the best interest of the citizens of Carroll County; and

WHEREAS, the policy of the state Department of Environment and Conservation allows for the dissolution of the multi-county regions, if all members counties can agree to the terms of dissolution; and

WHEREAS, both counties in Henry and Carroll Counties Solid Waste Regions have agreed to pass similar resolutions.

NOW, THEREFORE, BE IT RESOLVED, that all ties and affiliation of Carroll County with the Henry and Carroll County Solid Waste Planning Region be dissolved; and

BE IT FURTHER RESOLVED, by the Board of County Commissioners of Carroll County, Tennessee, acting pursuant to T.C.A. 68-211-801 et seq., that there is hereby established a Municipal Solid Waste Regions for and by Carroll County, Tennessee; and

BE IT FURTHER RESOLVED, that pursuant to T.C.A.68-211-801 et seq., that the Board of County Commissioners of Carroll County, Tennessee finds and determines that Carroll County shall be and shall constitute a single county municipal solid waste region due to the following: It is the will of the Citizens of Carroll County to remain a single entity in collection and disposal of Solid Waste, it is also the wish of the citizens to use the existing contracted services in Carroll County to the maximum good of the people of Carroll County; and

BE IT FURTHER RESOLVED, that this Municipal Solid Waste Regional Board shall be composed of five (5) members; and

BE IT FURTHER RESOLVED, that pursuant to T.C.A. 68-211-813(b)(1), Carroll County Municipal Solid Waste Regional Board members shall be appointed by the County Executive and approved by the Board of County Commissioners; and

BE IT FURTHER RESOLVED, that the members of the Board of Municipal Solid Waste Region shall serve a six (6) year term except that, as pursuant to T.C.A. 68-211-813(b)(1) and as part of the participating county's agreement as evidenced by this Resolution, the following shall be the initial terms of office: One member representing the Cities and Town of Atwood, Bruceon, Hollow Rock, Huntingdon, McKenzie, McLemoresville, Clarksburg and Trezevant for a six (6) year term, one member representing the Cities and Town of Atwood, Bruceon, Hollow Rock, Huntingdon, McKenzie, McLemoresville, Clarksburg and Trezevant for a four (4) year term, one

member representing Carroll County and Cities and Towns of Atwood, Bruceon, Hollow Rock, Huntingdon, McKenzie, McLemoresville, Clarksburg and Trezevant for a two(2) year term, one representing Carroll County for a two (2) year term, one member representing the Cities and Towns of Carroll County for a two (2) year term.

BE IT FURTHER RESOLVED, that this Municipal Solid Waste Region Board shall have all powers and duties as granted by T..A. 68-211-813 et seq. And in addition, in the performance of its duty to produce a municipal solid waste region plan, it shall be empowered to utilize existing Carroll County governmental personnel, to employ or contract with persons, private consulting firms, and/or governmental, quasi-governmental, and public entities and agencies and to utilize Carroll County's services, facilities and records in completing this task; and

BE IT FURTHER RESOLVED, that the Municipal solid Waste Region Board, in the 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, Carroll County, City of Atwood, City of Bruceon, City of Hollow Rock, City of Huntingdon, City of McKenzie, City of McLemoresville; Clarksburg and City of Trezevant and donations and grants from private corporations and foundations; and

BE IT FURTHER RESOLVED, that upon the passage of this Resolution and at no later date than _____, 1999, the County Clerk of Carroll County shall transmit a copy of this Resolution to the Tennessee Department of Environment and Conservation Division of Community Assistance.

Duly passed and adopted by the Board of County Commissioners of Carroll County, Tennessee this the 12th day of July, 1999, the welfare of the citizens of Carroll County requiring it.

Sponsor:

John A. Mann
County Commissioner

Attest:

Approved:

Carolyn H. Lutz
County Clerk

Kenneth M. D. D. D.
County Executive

RESOLUTION NO. 5-8-99

A RESOLUTION OF THE HENRY COUNTY, TENNESSEE BOARD
OF COMMISSIONERS TO DISSOLVE THE HENRY AND
CARROLL COUNTIES MUNICIPAL SOLID WASTE PLANNING
REGION AND CREATING THE HENRY COUNTY 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 Tennessee Code Annotated § 68-211-801 et seq. Titled "Solid Waste 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, promote the education of the citizens of Tennessee in the areas of solid waste management, including the need for the 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 Tennessee Code Annotated § 68-211-801, 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, unto County's Board of County Commissioners have given consideration to the needs assessments prepared by the Northwest Tennessee Development District; and

WHEREAS, Tennessee Code Annotated § 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 is 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 has provided grant monies of varying amounts to single county, two county, and three or more county municipal solid waste regions to assist their regions in developing their municipal solid waste regions' plans; and

WHEREAS, the primary and prevailing purpose of the municipal solid waste regions is 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 Henry County; and

WHEREAS, formation of Carroll and Henry County Municipal Solid Waste Planning Region does not provide for the most cost effective and efficient management of municipal solid waste in the best interests of the citizens of Henry County; and

WHEREAS, the policy of the Tennessee Department of Environment and Conservation allows for the dissolution of the multi-county regions, if all member's counties can agree to the terms of dissolution; and

WHEREAS, both counties in the Carroll and Henry County Solid Waste Region have agreed to pass similar resolutions.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of Henry County, Tennessee, assembled in regular session on this 16th day of August, 1999, a majority or more of the membership concurring, that all ties and affiliation of Henry County with the Carroll and Henry County Solid Waste Planning Region be dissolved.

BE IT FURTHER RESOLVED by the Board of County Commissioners of Henry County, Tennessee, acting pursuant to Tennessee Code Annotated § 68-211-801 et seq., that there is hereby established a Municipal Solid Waste Region for and by Henry County, Tennessee; and

BE IT FURTHER RESOLVED that pursuant to Tennessee Code Annotated § 68-211-801 et seq., that the Board of County Commissioners of Henry County, Tennessee finds and determines that Henry County shall be and shall constitute a single county municipal solid waste region due to the following: it is the will of the citizens of Henry County to remain a single entity in collection and disposal of solid waste; it is also the wish of the citizens to use the existing contracted services in Henry County to the maximum good of the people of Henry County; and

BE IT FURTHER RESOLVED that pursuant to Tennessee Code Annotated § 68-211-813(b)(1), a Municipal Solid Waste Regional Board is hereby established to administer the activities of the Region; and

BE IT FURTHER RESOLVED that this Municipal Solid Waste Regional Board shall be composed of five (5) members; and

BE IT FURTHER RESOLVED that pursuant to Tennessee Code Annotated § 68-211-813(b)(1), two (2) members shall be appointed by the County Executive and approved by the Board of County Commissioners to the Henry County Municipal Solid Waste Regional Board, and, due to the fact that the cities and towns of Henry, Puryear, and Paris collect or provide disposal services through their own initiative or by contract, the Town of Henry shall have one (1) board member appointed by the Mayor of Henry and approved by the Town Board of Aldermen; the City of Puryear shall have one (1) board member appointed by the Mayor of Puryear and approved by the City Board of Aldermen; the City of Paris shall have one (1) board member appointed by the Mayor of Paris and approved by the City Board of Commissioners; and

BE IT FURTHER RESOLVED, that the members of the board of the Municipal Solid Waste Region shall serve a six (6) year term except that, as pursuant to Tennessee Code Annotated § 68-211-813(b)(1) and as part of the participating county's agreement as evidenced by this Resolution, the following shall be the initial terms of office: one (1) member representing the City of Paris and one (1) member representing Henry County for a six (6) year term, one (1) member representing the City of Puryear for a four (4) year term, one (1) member representing the Town of Henry and (1) one member representing Henry County 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 by Tennessee Code Annotated § 68-211-813 et seq. And, in addition, in the performance of its duty to produce a municipal solid waste region plan, it shall be

empowered to utilize existing Henry County governmental personnel, to employ or contract with persons, private consulting firms, and/or governmental, quasi-governmental, and public entities and agencies and to utilize Henry County's services, facilities, and records in completing this task; 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, Henry County, Town of Henry, City of Paris, and City of Puryear, and donations and grants from private corporations and foundations; and

BE IT FURTHER RESOLVED that Henry County shall receive, disburse, and act as the fiscal agent for the administration of the funds of the Municipal Solid Waste Region and the Region's Board; and

BE IT FURTHER RESOLVED that upon the passage of this Resolution and at no later date than August 31, 1999, the County Clerk of Henry County shall transmit a copy of this Resolution to the Tennessee Department of Environment and Conservation Division of Community Assistance; and

BE IT FINALLY RESOLVED that a true copy of this Resolution be spread upon the Commission record of this date.

PASSED 8-16-99

Brent Greer
BRENT GREER, CHAIRMAN
HENRY COUNTY COMMISSION

Jerry D. Bomar
JERRY D. BOMAR
COUNTY CLERK

APPROVED 8-17-99

Brent Greer
BRENT GREER
HENRY COUNTY EXECUTIVE

STATE OF TENNESSEE
COUNTY OF HENRY

I, Jerry D. Bomar, County Clerk of Henry County, Tennessee
do hereby certify that the foregoing is a true and accurate
copy of the original filed in this cause.

This 19 day of Aug, 1999

Jerry D. Bomar
Clerk
Daniel W. Allen
Deputy Clerk

APPENDIX A-4

SOLID WASTE DOCUMENTATION STATEMENTS



OFFICE OF THE COUNTY EXECUTIVE
BRENT GREER

County of Henry

COURTHOUSE
PARIS, TENNESSEE 38242
(901)642-5212

March 26, 1999

*Division of Solid Waste Assistance
TN Division of Environment & Conservation
401 Church Street, 14th Floor
Nashville, TN 37243-0455*

To Whom It May Concern:

This letter confirms the tonnage figures for the Carroll and Henry County Solid Waste Planning Region as reported by the region's Solid Waste Directors for the calendar year 1998.

A total of 43,537.14 tons of solid waste was land-filled in our region in 1998, according to the information provided to us by Barker Brothers Waste, Inc. and Waste Management, Inc., the two firms who handled disposal of solid waste in our region during the past year.

Sincerely,


Brent Greer
Region Chairman

pgt

Barker Brothers Waste, Inc.

Barker Brothers Waste, Inc.
1341 N Hwy 51 S, Union City,
TN 38281
PO Box 317, Troy, TN 38260

Phone: 901-885-5528
FAX: 1-901-885-0927
email: Barker1@usit.net

Facsimile

To: DINA
@Fax: 615-895-0632
From: Jan Parker
Date: Thursday, September 9, 1999 @ 1:51PM
Re: CARROLL & HENRY COUNTY TONNAGES 1998
Pages: 1, including this

1998 TONNAGE CARROLL COUNTY = 14,191

1998 TONNAGE HENRY COUNTY = 14,205

APPENDIX A-5

PLAN REVIEW AND APPROVAL DOCUMENTATION

received
10/28/99

RESOLUTION
NO. 10-3-99

RESOLUTION APPROVING THE FIVE-YEAR UPDATE
TO THE CARROLL COUNTY SOLID WASTE REGIONAL PLAN.

WHEREAS, the Carroll County Commission is committed to meeting state and federal mandates on economical and safe solid waste disposal, and

WHEREAS, the Carroll County Commission desires to meet the requirements of the Tennessee Solid Waste Management Act of 1991 including the development and submittal of the Five-Year Update to the Carroll County Solid Waste Region in accordance with Tennessee law codified T.C.A.. 68-211-814(a)(2), and

WHEREAS, the Carroll County Commission has developed, reviewed and conducted a Public Hearing on the Five-Year Update in accordance with Tennessee law codified T.C.A.. 68-211-814(b)(6).

NOW, THEREFORE BE IT RESOLVED, that the Carroll County Commission approves the Five-Year Update to the Carroll County Solid Waste Region and recommends submission of the Plan with the State of Tennessee Department of Environment and Conservation Division of Community Assistance.

Read, adopted and approved in an open public meeting this 11th day of October, 1999.

Carroll County Commission

By: Kenny M. Bink
County Executive

ATTEST:

STATE OF TENNESSEE - CARROLL COUNTY

By: Carolyn H. Lutz
I, Carolyn Lutz County Clerk of said Carroll County, do hereby certify that the above Resolution is a full, true, and perfect copy of Resolution 10-3-99 as found in Monthly Minute Book # 20

Witness Carolyn H. Lutz, at office in Huntingdon In, this the 12 day of Oct. 1999 Carolyn H. Lutz
as appears of record now on file in my office.

COUNTY CLERK
CAROLYN H. LUTZ

File 262-03

Scot

AFFIDAVIT OF PUBLICATION

**STATE OF TENNESSEE
CARROLL COUNTY**

Personally appeared before me, Linda Bolton, a Notary Public in and for said County and State, the undersigned representative of The McKenzie Banner, a weekly newspaper published in McKenzie, Carroll County, Tennessee, who swears that the attached

Notice
was published in the issues dated September
29, 1999
of said newspaper.

Signed Ramona Washburn
Subscribed and sworn to before me this 29
Day of September, 1999.
Linda Bolton, Notary Public
My commission expires December 11, 2000.

NOTICE

In accordance with Tennessee law codified at T.C.A. 68-211-814 (b)(6), notice is hereby given that the Carroll County Commission as prescribed by Tennessee law shall conduct a public hearing regarding development of a five-year update to the municipal solid waste regional plan for Carroll County. The public is invited to attend. The meeting will be held at 5:30 p.m. Monday, October 11, 1999 at the Carroll County Courthouse, 99 Court Square, Huntingdon, Tennessee, in the large courtroom.

A-2867

PASSED 8-16-99

Brent Greer
BRENT GREER, CHAIRMAN
HENRY COUNTY COMMISSION

Jerry D. Bomar
JERRY D. BOMAR
COUNTY CLERK

APPROVED 8-17-99

Brent Greer
BRENT GREER
HENRY COUNTY EXECUTIVE

STATE OF TENNESSEE
COUNTY OF HENRY
I, Jerry D. Bomar, County Clerk of Henry County, Tennessee
do hereby certify that the foregoing is a true and accurate
copy of the original filed in this cause.

This 19 day of Aug 1999
Jerry D. Bomar
Clerk
Patricia Williams
Deputy Clerk