

Routing Page
Solid Waste Planning Region
5 - YR Update

Planning Region: Shelby County 79

Clerk

Note: Send one original copy of the report to the permanent file. If the planning region did not provide two copies of the report, then make a working copy and send the original to the permanent file.

1. Write in the name of the person completing this report Jeff Reece & Andy Ashford
a "cc" for all letters sent to the chairperson.

2. (may be attached as a separate list):
Was a list of board members provided? Yes No
If yes, continue to question four and verify the term of each member is current.
If no, skip question and go directly to question.

3. Was the term of each member current? Yes No
Continue to question.

4. See page 14:
Did the chairperson of the board sign and date the report? Yes No
Continue to question.

5. See page 14:
Did the county executive, (each local Government body) sign and date the report? Yes No
Continue to question.

6. Which reviewer was assigned to this report? Karen Bob Becky
Continue to question.

7. On what date was the report sent to the reviewer? 6/2/01
Continue to question.

8. What is the deadline for the review (i.e., 90 working days from received stamp)? _____
Attach routing page to the report and give it to the reviewer.

Note: The letter will be addressed to the chairperson. The cc list will include the County Executive, Development District Director, person who prepared the report, and the CTAS contact. Modify (with date, names, cc, etc.) and print the letter entitled "5YrUpdtInmerg." and give letter to Linda Rigsby for Ron Graham's signature. After letter is signed, Linda copies the letter for the cc list and one for the file. Linda then mails the letters and sends a copy of the letter to Patty to be placed in the permanent file.

Reviewer

Date review is complete 7/5/01 Reviewer's initials BH
Log-in completion date and give working copy of report to Bob. Leave original copy in the permanent file.



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Community Assistance
L & C Tower-8th Floor
401 Church Street
Nashville, TN 37243-1533

August 1, 2001

Mr. Paul Patterson, Chairman
Shelby County Municipal Solid Waste Planning Region 79
125 North Main Street, Room 628
Memphis, TN 38103

Dear Mr. Patterson:

Thank you for a prompt response to my July 5 comments concerning the Five-Year Update to the Shelby County MSW Planning Region's Ten-Year Solid Waste Plan. The additional information provided by Mr. Andy Ashford has been reviewed and the Five-Year Update stands approved.

This revised plan is intended to serve as a guideline for the region's solid waste reduction activities during the upcoming ten-year period. Tennessee Code Annotated §68-211-815 requires that it be consistent with the state solid waste plan, with the provisions of this part, with all other applicable provisions of law, and, with any regulation promulgated by the department. Any changes or updates in this plan must be identified and reported in the region's annual progress reports and the next five-year update.

If you have comments, questions, or need our assistance, please contact me at the Division of Community Assistance, (615) 532-0082 or bknight@mail.state.tn.us

Sincerely,

Robert G. Knight
Solid Waste Assistance Programs

cc: The Honorable Jim Rout, Shelby County Mayor
Mr. Andy Ashford, Secretary, Shelby Co. MSW Regional Board
Mr. Jeff Reece, Planner, Memphis and Shelby County
Mr. Steve Andrews, SWM, Memphis Area Association of Governments
Mr. Mike Stooksberry, S/W Consultant, CTAS
Mr. Terry Templeton, EC, Memphis Environmental Assistance Center

79

**SHELBY COUNTY
MUNICIPAL SOLID WASTE PLANNING BOARD**

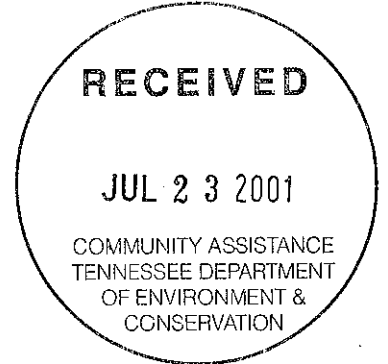
Paul Patterson, Chairman

Sam Beach, Vice Chairman

Andy Ashford, Secretary

July 20, 2001

Mr. Bob Knight
Division of Community Assistance
L&C Tower, 8th Floor
401 Church Street
Nashville, TN 37243




RE: Five-Year Update Additional Information

Dear Bob:

Per your July 5th letter regarding the additional information needed for our 5 Year Plan, we are pleased to provide the attached responses. On behalf of the Shelby County Solid Waste Planning Board, I appreciate you pointing these areas of concern out to us. This board prides itself in submitting complete and accurate information, therefore we regret any inconvenience these omissions may have caused.

Again, thank you for your thoroughness and assistance. Should there be any further questions or comments please advise accordingly.

Sincerely,


Andy Ashford
Secretary
Shelby County Municipal Solid Waste Planning Board

copy: Paul Patterson, Chairman
Board Members
Jeff Reece, Principal Planner, Div. of Planning and Assistance
File

RECEIVED

JUL 23 2001

COMMUNITY ASSISTANCE
TENNESSEE DEPARTMENT
OF ENVIRONMENT &
CONSERVATION

SHELBY COUNTY REGION
REGION NAME

To the best of my knowledge, the foregoing information is accurate as of the date of submission of this report:

PAUL PATTERSON

Typed Name of the Chairman of the Solid Waste Planning Region



Signature of the Chairman of the Solid Waste Planning Region

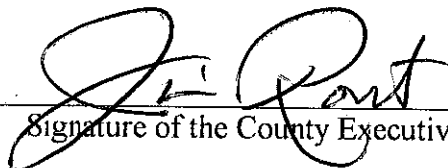
MAY 23, 2001

Date

To the best of my knowledge, the foregoing information is accurate as of the date of submission of this report:

JIM ROUT, SHELBY COUNTY MAYOR

Typed Name of the County Executives(s)



Signature of the County Executive(s)

MAY 23, 2001

Date

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Chapter 1: Summary of the Update Report

A. Shelby County Municipal Solid Waste Region

1. Description

The Solid Waste Region consists of one county, Shelby County, Tennessee. There are seven incorporated municipalities in the county: Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington. The population of Shelby County in 2000 was 897,472.

2. Solid Waste Board

The Shelby County Municipal Solid Waste Regional Board was created in 1992 by resolution of the Shelby County Board of Commissioners. There are 13 members. The City of Memphis has five representatives on the board, Shelby County Government has two, with the six smaller suburban municipalities having one representative each.

3. Solid Waste Plans and Annual Progress Reports

The *Shelby County Municipal Solid Waste Regional Plan* was submitted to the State of Tennessee Department of Environment and Conservation on June 30, 1994. The plan was approved by TDEC on May 9, 1995.

This Five-Year Update is the first revision of the 1995 plan.

Each March, the Solid Waste Board submits an annual progress report on the previous year's solid waste activities to TDEC.

4. Costs and Revenues of Solid Waste Programs

Costs for solid waste programs in Shelby County exceeded \$50 million for Fiscal Year 2000. Solid waste costs for the City of Memphis represented approximately 85 percent of the total costs for the region.

Revenues for solid waste programs in Shelby County are generated primarily from fees assessed local residents and businesses and transfers-in from general fund tax dollars. Other revenue sources for some municipalities include income from the sale of recyclables and grants from the State of Tennessee.

5. Mandates of the State of Tennessee

The Solid Waste Board follows the mandates of the State of Tennessee in overseeing solid waste activities in Shelby County. (See Table 1-A for a summary of Tennessee's solid waste mandates.)

B. Waste Stream

1. Total Generated Waste Stream

The total generated waste stream in Shelby County in Calendar Year 2000 was estimated to be 1,710,922 tons of solid waste. This figure represents the amount of Shelby

County's municipal solid waste disposed of in Class I landfills both in the region and out of the region (1,113,144), plus the estimated amount of Shelby County's municipal solid waste reduced or diverted (592,778 tons), plus unmanaged wastes (5,000 tons.)

2. Waste Stream Goal Established in the 1995 Solid Waste Plan

- Reduce by 25 percent the amount of Shelby County's solid waste being disposed of in Class I landfills.

3. Strengths

Each year since 1994, Shelby County has met the State's goal of reducing by 25 percent the amount of waste being disposed of in Class I landfills and incinerators.

4. Weaknesses

No weaknesses have been identified in the region's efforts to comply with the State's 25 percent reduction goal.

5. Assessed Needs and Minimum Mandates

With the fast pace of development in Memphis and Shelby County comes the generation of additional municipal solid waste. The demands on local landfills will continue to grow.

C. Collection and Transportation

1. Existing System

Each municipal government in Shelby County provides solid waste collection for residents as a municipal service or contracts with a professional waste collection company. One hundred percent of all single-family households in the seven municipalities in Shelby County receive door-to-door collection services.

Shelby County Government does not provide waste collection services for residents of unincorporated Shelby County. However, the County maintains collection agreements with several private waste collection companies to provide these services. It is estimated that approximately 59 percent of all single-family households in unincorporated Shelby County contract with one of the local waste collection companies.

However, one hundred percent of all single-family households in unincorporated Shelby County **have access** to waste collection services since the major haulers in the county have agreed to provide collection services to any single-family household in unincorporated Shelby County willing to pay for the services. It is estimated that 95 percent of the total number of single-family households in Shelby County (in both incorporated and unincorporated areas) receive professional waste collection services.

2. Collection and Transportation Goal Established in the 1995 Solid Waste Plan

- Assure that first-quality solid waste collection and transportation services are available to all residents and businesses in Shelby County.

f. Solid Waste Education

The Shelby County Region and each jurisdiction within must establish and implement solid waste action education plans.

3. Implementation Schedule for Current Facilities and Programs

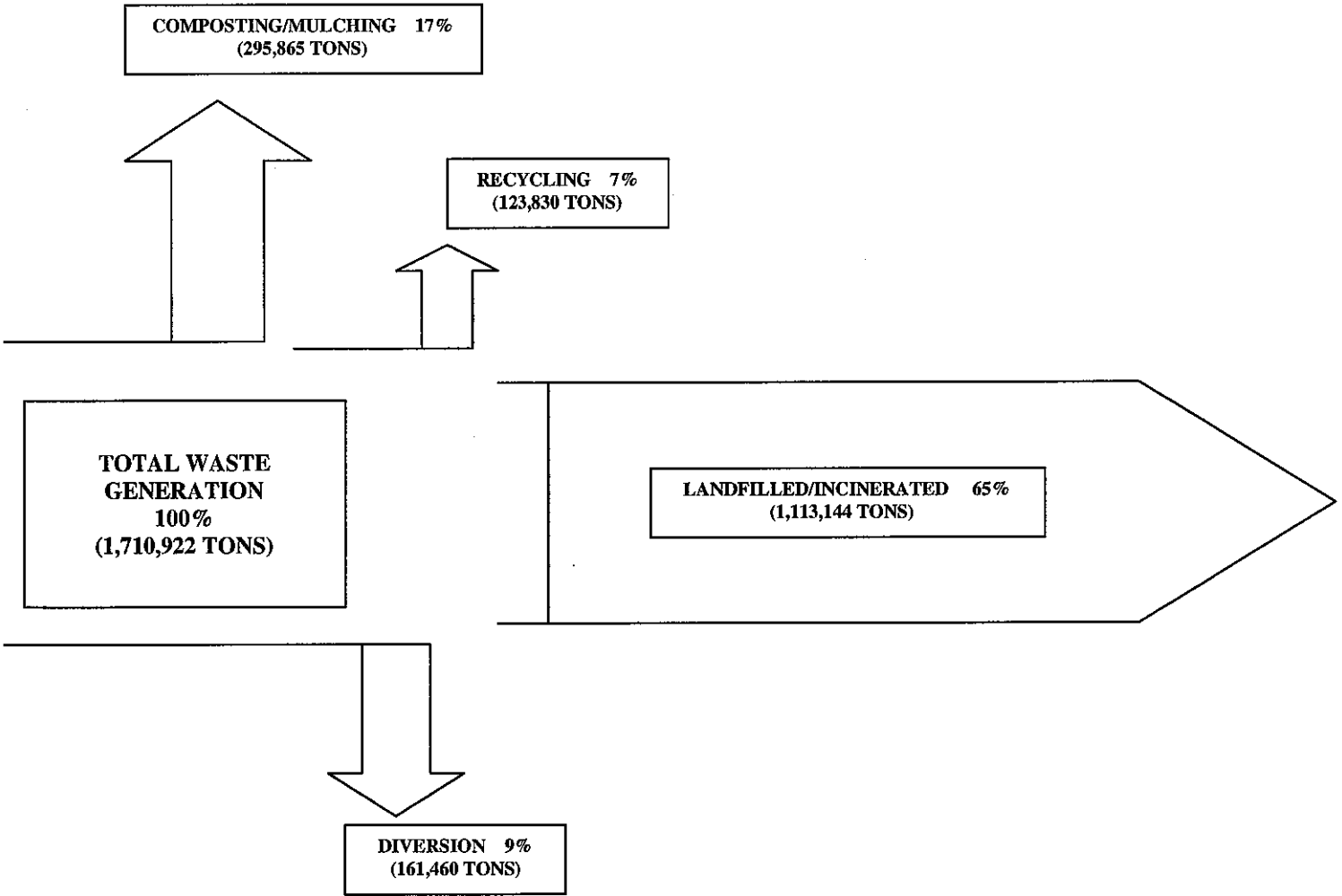
All current solid waste facilities in the region are operating effectively and all solid waste programs have been implemented successfully. (See Table 1-B.)

4. Implementation Schedule for Proposed Facilities and Programs

The SCEIC plans to open several drop-off recycling sites for residents of unincorporated Shelby County. The first site is scheduled to open later in 2001.

The EARTH Complex Landfill is a permitted Class I landfill owned by the City of Memphis. It is currently not in operation and there are no plans to open the landfill in the foreseeable future. (See Table 1-B.)

FIGURE 1-B
WASTE STREAM FLOW FOR SHELBY COUNTY, 2000



NOTE: SOURCE REDUCTION (11,623 TONS) AND UNMANAGED WASTES (5,000 TONS) EACH REPRESENT LESS THAN ONE PERCENT OF THE TOTAL GENERATED WASTE STREAM FOR SHELBY COUNTY.

Chapter 3: Waste Stream

A. Waste Stream Report for 2000

1. Tons of Municipal Solid Waste Generated and Disposed

In 2000, Shelby County generated 1,113,144 tons of solid waste that was disposed of in Class I landfills. (See Table 3-A for more detailed information.)

2. Waste Generated by Economic Sector

(See Table 3-B for estimates of waste generated by economic sector.)

3. Waste Generated by Source

(See Table 3-C for estimates of waste generated by source.)

4. Tons Reduced or Diverted

In 2000, Shelby County reduced or diverted an estimated 592,778 tons of solid waste. (See Table 3-D for more information.)

5. Total Generated Waste Stream

The total generated waste stream for Shelby County in 2000 was estimated at 1,710,922 tons of solid waste. This figure represents the tons of municipal solid waste generated and disposed of in Class I landfills (1,113,144 tons), plus the estimated tons of waste reduced or diverted (592,778 tons), plus unmanaged wastes (5,000 tons.)

6. Waste Stream Flow

(See Figure 1-B for a diagram depicting the region's waste stream flow.)

7. Recent Demographic Trends Affecting Waste Generation and Disposal

The population of Shelby County increased by 8.6 percent from 1990 to 2000.

The local economy has been very strong in the late 1990s. From 1996 to 1999, investments in new or expanding industries in Shelby County averaged \$1.55 billion per year. From 1996 to 1999, jobs in Memphis and Shelby County increased at an average rate of 13,600 per year.

With the fast pace of development in Memphis and Shelby County comes the generation of additional municipal solid waste. Demands on landfills will continue to grow.

TABLE 3-D

ESTIMATES OF WASTE REDUCED OR DIVERTED, 2000

REDUCTION/ DIVERSION METHOD	ESTIMATED TONS	ESTIMATED PERCENTAGE OF TOTAL GENERATED WASTE STREAM (1,710,922 TONS)
SOURCE REDUCTION	11,623	*
RECYCLING	123,830	.07
COMPOSTING/MULCHING	295,865	.17
DIVERSION		
CLASS III /IV LANDFILLS	156,455	---
AIR CURTAIN DESTRUCTOR	5,005	---
TOTAL	----- 161,460	.09
UNMANAGED WASTES (BACKYARD BURNING, DUMPS, DITCHES, ETC.)	5,000	*
	-----	-----
TOTAL	597,778	.35**

* LESS THAN .01 OF TOTAL.

** TOTAL INCLUDES FRACTIONS OF ONE PERCENT FROM SOURCE REDUCTION AND UNMANAGED WASTES CATEGORIES.

NOTE: SEE FIGURE 1-B FOR A GRAPHIC DEPICTION OF THESE FIGURES.

SOURCE: SHELBY COUNTY MUNICIPAL SOLID WASTE PLANNING REGION ANNUAL PROGRESS REPORT, 2000

TABLE 1-B

**TEN-YEAR IMPLEMENTATION SCHEDULE FOR
CURRENT AND PROPOSED FACILITIES AND PROGRAMS,
2001 THROUGH 2010**

	STATUS IN	FUTURE IMPLEMENTATION SCHEDULE										
		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CURRENT FACILITIES AND PROGRAMS												
SOLID WASTE COLLECTION AND TRANSPORTATION SERVICES												
TOWN OF ARLINGTON (CONTRACTED WITH WASTE MANAGEMENT)	(IM)											
CITY OF BARTLETT	(IM)											
TOWN OF COLLIERVILLE	(IM)											
CITY OF GERMANTOWN (CONTRACTED WITH BROWNING-FERRIS INDUSTRIES)	(IM)											
CITY OF LAKELAND (CONTRACTED WITH BROWNING-FERRIS INDUSTRIES)	(IM)											
CITY OF MEMPHIS	(IM)											
CITY OF MILLINGTON	(IM)											
PRIVATE COLLECTION AND TRANSPORTATION COMPANIES PROVIDING SERVICES FOR BUSINESSES, INSTITUTIONS, MULTIFAMILY DWELLINGS/COMMUNITIES, AND SINGLE-FAMILY HOUSEHOLDS IN UNINCORPORATED SHELBY COUNTY	(IM)											
SHELBY COUNTY MUNICIPAL SOLID WASTE BOARD												
AGRICENTER INTERNATIONAL (MEETING SITE)	(IM)											
RECYCLING PROGRAMS												
TOWN OF ARLINGTON	(IM)											
CITY OF BARTLETT	(IM)											
TOWN OF COLLIERVILLE	(IM)											
CITY OF GERMANTOWN	(IM)											
CITY OF LAKELAND	(IM)											
CITY OF MEMPHIS "RECYCLE MEMPHIS"	(IM)											
CITY OF MILLINGTON	(IM)											
SHELBY COUNTY GOVERNMENT	(IM)											
VARIOUS PRIVATE RECYCLING PROGRAMS PROVIDING SERVICES FOR RESIDENTS OF UNINCORPORATED SHELBY COUNTY	(IM)											

APPENDIX A-1

**FORMATION RESOLUTION OF THE
SHELBY COUNTY MUNICIPAL SOLID WASTE REGION**

APPENDIX A-2

**SIGNATURE PAGE FOR THE
CHAIRMAN OF THE SHELBY COUNTY MUNICIPAL SOLID WASTE REGIONAL BOARD
AND SHELBY COUNTY MAYOR**



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Community Assistance
L & C Tower-8th Floor
401 Church Street
Nashville, TN 37243-1533

July 5, 2001

Mr. Paul Patterson, Chairman
Shelby County Municipal Solid Waste Planning Region 19
125 North Main Street, Room 628
Memphis, TN 38103

Dear Mr. Patterson:

The Five-Year Update to the Shelby County MSW Planning Region's Ten-Year Solid Waste Plan has been reviewed and, while most of the information provided is complete and adequate, there are three areas that need additional information or clarification:

CHAPTER 1: SUMMARY

Chapter 1.1 requires a 10-year implementation schedule, illustrating current and planned facilities and programs.

CHAPTER 3: WASTE STREAM

Chapter 3.A.5. The total generated stream shown here does not agree with that figure shown in Figure 1-B and Table 3-D. Please reconcile these figures.

APPENDIX A

Appendix A of the guidelines included a signature page for the chair of the S/W planning board and the county executive. Please have these two signatures affixed to the signature page attached.

This office should receive your response to these comments no later than September 5, 2001. If you have questions or need assistance, please telephone me at (615) 532-0082 or e-mail me at: bknight@mail.state.tn.us

Sincerely,

Robert G. Knight
Solid Waste Assistance Programs

cc: The Honorable Jim Rout, Shelby County Mayor
Mr. Andy Ashford, Secretary, Shelby Co. MSW Regional Board
Mr. Jeff Reece, Planner, Memphis and Shelby County
Mr. Steve Andrews, SWM, Memphis Area Association of Governments
Mr. Mike Stooksberry, S/W Consultant, CTAS
Mr. Terry Templeton, EC, Memphis Environmental Assistance Center



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Community Assistance
401 Church Street, 8th Floor
Nashville, TN 37243-1533

May 31, 2001

Mr. Paul Patterson, Chairman
Shelby Co. Municipal SW Planning Region 49
125 North Main Street, Rm 628
Memphis, TN 38103

RE: Five-year Update to Ten-year Solid Waste Plan
Shelby Co. Municipal SW Planning Region

Dear Mr. Patterson:

Thank you for your timely submission of the Shelby Co. Municipal SW Planning Region Update Plan. We received your plan on May 30, 2001. Division staff will complete the review within the next 90 days as required by The Solid Waste Act of 1991.

If you need additional information or have further questions, please contact me at 615-532-0744.

Sincerely,

Becky Gorham

Becky Gorham

RPG:pag

cc: The Honorable Jim Rout, Shelby County Mayor
Shelby County Solid Waste Director
Mr. Steve Andrews, (SWM), Memphis Area Assoc. of Governments
Mr. Mike Stooksberry, SW Management Consultant, CTAS
Mr. Jeff Reese, Planner, Memphis & Shelby County
Mr. Terry Templeton EC, Memphis Environmental Assistance Center

**SHELBY COUNTY
MUNICIPAL SOLID WASTE PLANNING BOARD**

Paul Patterson, Chairman

Sam Beach, Vice Chairman

Andy Ashford, Secretary

January 26, 2001

Mr. Ron Graham
Division of Community Assistance
L & C Tower - 8th Floor
401 Church Street
Nashville, TN 37243-1533



~~Re: 5 Year Solid Waste Plan Update~~

Dear Mr. Graham:

The Shelby County Municipal Solid Waste Planning Board felt that it would be appropriate to give the Division of Community Assistance a status report on this region's Five Year Solid Waste Plan Update. As always, this board strives to comply with all requirements in a timely manner and to provide accurate information about the solid waste activities within the Shelby County region. However, due to an extended delay in receiving the District Needs Assessment, a key source of information, we have been unavoidably and regrettably delayed. Since receiving the District Needs Assessment we have worked diligently to complete the document text. The required public hearing was held yesterday (1/25/01) and we are currently in the process of making the final preparations for submittal. Therefore, unless we are delayed unexpectedly, you should receive our update sometime in the next few weeks.

Again, we regret this delay and should you have any questions or comments please call me at 901-576-6851.

Sincerely,

A handwritten signature in cursive script that reads "Paul Patterson".

Paul Patterson, Chairman
Shelby County Municipal Solid Waste Planning Board

cc: Board Members

Jeff Reece, Office of Planning and Development



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
NASHVILLE, TENNESSEE 37243-0435

DON SUNDQUIST
GOVERNOR

MILTON H. HAMILTON, JR.
COMMISSIONER

CERTIFIED MAIL

August 25, 2000

Mr. Paul Patterson, Chairman
Shelby Co. Municipal SW Planning Region, 019
125 North Main Street, Rm 628
Memphis, TN 38103

RE: Five-Year Update to Ten-Year Solid Waste Plan

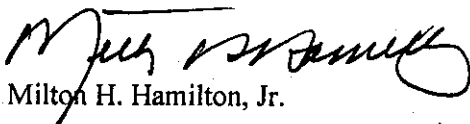
Dear Mr. Patterson:

The Department of Environment and Conservation has not received the Shelby County Solid Waste Planning Region's Five-Year Update to its solid waste plan. The Solid Waste Management Act of 1991 [T.C.A. 68-211-814 (2)] requires that these plans be revised every five years after their initial approval. The Shelby County revision was due to the Division of Community Assistance on May 9, 2000.

The Region must submit the required Five-Year Update within 30 days of receipt of this letter. Otherwise, the region and jurisdiction(s) within the region may lose eligibility for grants from the Solid Waste Management Fund. If non-compliance continues, additional sanctions may follow [T.C.A. 68-211-816].

I am certain that the Shelby County Solid Waste Planning Region will give these issues the serious consideration that is warranted. If you need additional information, please contact Louis Bordenave with the Division of Community Assistance, at 615-532-0095.

Sincerely,


Milton H. Hamilton, Jr.

MHH:RLG:RPG

cc: The Honorable Jim Rout, Shelby County Mayor
Mr. Ted Fox, Director of Public Works
Mr. Steve Andrews, Memphis Area Association of Governments
Mr. Mike Stooksberry, CTAS-WT

179

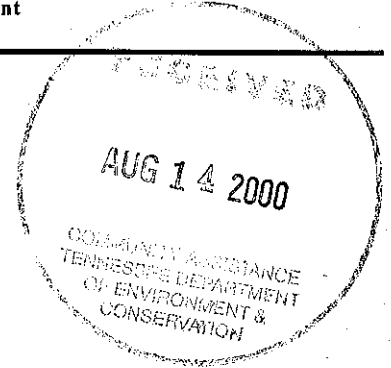
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LKB 8/29
PAG 8/28
(file)



City of Memphis

TENNESSEE

DR. WILLIE W. HERENTON - Mayor
RICK MASSON - Chief Administrative Officer
DIVISION OF PUBLIC WORKS
JERRY R. COLLINS JR. - Director
Solid Waste Management



August 11, 2000

Mr. Ron Graham
Department of Environment and Conservation
Division of Community Assistance
410 Church St. 8th Floor
Nashville, Tn 37243-1533

Dear Mr. Graham:

The Shelby County Municipal Solid Waste Planning Board received the District Needs Assessment on August 7th, therefore, we wanted to let you know that we are currently utilizing the information it provides for the preparation of our 5 Year Update. Based on what is required, we anticipate it will take approximately 120 days to complete and submit the document.

Should there be any questions or comments regarding this or any other regional solid waste matter, please call me or Andy Ashford, Board Secretary, at 576-6851.

Sincerely,

Paul Patterson
Chairman
Shelby County Municipal Solid Waste Planning Board

cc: Andy Ashford
Jeff Reece
File

solwstbd1



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Community Assistance
8th Floor, L & C Tower, 401 Church Street
Nashville, Tennessee 37243-0455

April 26, 2000

Mr. Paul Patterson
Chairman, Shelby Co. Municipal SW Planning Region
125 North Main Street, Rm 628
Memphis, TN 38103

**RE: Five-year Update to Ten-year Solid Waste Plan
Shelby SW Region 79
Region Member: Shelby
Update Due: May 9, 2000**

Dear Mr. Patterson:

The Department received your request on April 20, 2000 for an extension of the due date for your Five-Year Update to the Shelby Region Ten-Year Solid Waste Plan. The Solid Waste Management Act of 1991 does not include a provision for extending or amending the due date. The Shelby Region's Ten-Year Solid Waste Plan was approved on May 9, 1995, therefore, your Five-year update report is due to this office by **May 9, 2000**.

While we acknowledge that each region might face difficulties in meeting the requirements of the Act, we have no authority to relieve the Region of responsibilities of meeting those requirements. Please refer to T.C.A. 68-211-814(a)(2) for details regarding the due date of the revisions to the originally approved Ten-Year Solid Waste Plan. In addition, please refer to T.C.A. 68-211-816 for a description of consequences relating to failure to submit plans in a timely manner. If you have any concerns, I encourage you to contact Ms. Karen Grubbs with DCA at 615-532-0463.

Sincerely,

Ron Graham
Director

RG:KLG:lr

C: Commissioner Milton H. Hamilton, Jr.
The Honorable Jim Rout, Shelby County Mayor
Mr. Steve Andrews, Memphis Area Assoc. of Governments
Mr. Mike Stooksberry, SW Management Consultant, CTAS
Mr. Jim Chaney, Manager, Memphis Environmental Assistance Center

City of Memphis



TENNESSEE

DR. WILLIE W. HERENTON - Mayor
RICK MASSON - Chief Administrative Officer
DIVISION OF PUBLIC WORKS
BENNY LENDERMON - Director
Solid Waste Management

REC 4/20
KLG
RPG
BIC

April 14, 2000



Mr. Ron Graham
Department of Environment and Conservation
Division of Community Assistance
8th Floor, L&C Tower
401 Church Street
Nashville, TN 37243-1533

Dear Mr. Graham:

The Shelby County Municipal Solid Waste Planning Board prides itself in providing timely and accurate reporting to the Division of Community Assistance. Consequently, we sincerely regret the necessity of having to request an extension in the submission date of our Five-Year Update. We have been unexpectedly and unavoidably delayed while waiting on the completion of our district's Needs Assessment. While we have been assured the Needs Assessment will be available sometime in the next few weeks, we realize it will take a considerable amount of time to complete the Update and schedule a public hearing accordingly. Therefore, we respectfully request a 120 day extension, upon receipt of the Needs Assessment, in order to address the requirements adequately. With the due date of our Five-Year Update being May 7, 2000, we would appreciate your response as soon as possible.

Thank you for your consideration in this important solid waste issue and should there be any questions or comments, please call me at 901-576-6851 or Andy Ashford, Board Secretary, at 901-576-6868.

Sincerely,

Paul Patterson
Chairman
Shelby County Municipal Solid Waste Planning Board

cc: J. Reece
A. Ashford
Planning Board Members
File



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Community Assistance
401 Church Street, 8th Floor
Nashville, TN 37243-1533

February 8, 2000

Mr. Benny Lenderman
Chairman, Shelby Co. Municipal SW Planning Region
125 North Main Street, Rm 608
Memphis, TN 38103

RE: Five-year Update to Ten-year Solid Waste Plan
Shelby County SW Region
Update Due — May 9, 2000

Dear Mr. Lenderman:

As you are aware, the Solid Waste Management Act of 1991 requires the Solid Waste Regions to plan, monitor, and report on solid waste activities. One of the requirements of this legislation was for each region to prepare a Ten-year Solid Waste Management Plan. The legislation also requires that Five-year updates to those plans be prepared and submitted to the state for review. The Shelby County Region's Ten-year plan was approved on May 9, 1995; therefore, your Five-year Update is due to this office by **May 9, 2000**. Please note that the Update is expected to consider the next Ten-year planning horizon, and will become your current Ten-Year Plan upon approval by this office.

Also required by the Solid Waste Act is submittal of a Needs Assessment report for all of the counties within each Development District. The initial Assessment was due by September 30, 1992; with revisions due by April 1, 1999 and every five years after that. The Needs Assessment for your region has not been received. Please contact Mr. Steve Andrews with the Memphis Area Association of Governments to determine the status of your Region's Needs Assessment report. The Needs Assessment will provide much of the information necessary for the preparation of the Five-year Update to your Ten-year Plan.

I am confident you will give due attention to your Five-year update to the Ten-year Solid Waste Management Plan. If you have any concerns, I encourage you to contact Ms. Rebecca Gorham with DCA at 615-532-0744.

Sincerely,

Ron Graham
Director

RG:KLG

C: The Honorable Jim Rout, Shelby County Mayor
Mr. Steve Andrews, Memphis Area Assoc. of Governments
Mr. Theodore Fox, Director of Public Works
Mr. Mike Stooksberry, SW Management Consultant, CTAS
Mr. Jim Chaney, Memphis Environmental Assistance Center

BEC
RLG 6/1
KLG 6/1
JMP 6/1
JND 6/1
file

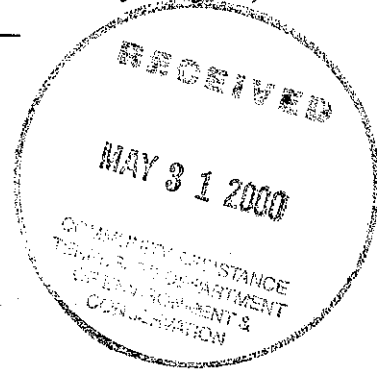
**SHELBY COUNTY
MUNICIPAL SOLID WASTE PLANNING BOARD**

Paul Patterson, Chairman

Sam Beach, Vice Chairman

Andy Ashford, Secretary

May 26, 2000



Mr. Ron Graham
Department of Environment and Conservation
Division of Community Assistance
401 Church Street, 8th Floor
Nashville, TN 37243-1533

Dear Mr. Graham:

The Shelby County Solid Waste Planning Board continues to strive for completion of its 5 Year Update. However, we are still unable to complete all of the requested information without the benefit of a current District Needs Assessment. Local attempts to get this information have, so far, been unsuccessful. Therefore, we respectfully ask for your assistance in providing us with information regarding when our District Needs Assessment will be available.

Thank you for your attention in this matter and if there are any comments or questions, please call me at 901-576-6868.

Sincerely,

A handwritten signature in cursive script that reads "Paul Patterson".

Paul Patterson, Chairman
Shelby County Municipal Solid Waste Planning Board

*Shelby
Update due
5/9/2000*

cc: Board members
File



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Community Assistance
L & C Tower-8th Floor
401 Church Street
Nashville, TN 37243-1533

August 1, 2001

Mr. Paul Patterson, Chairman
Shelby County Municipal Solid Waste Planning Region 79
125 North Main Street, Room 628
Memphis, TN 38103

Dear Mr. Patterson:

Thank you for a prompt response to my July 5 comments concerning the Five-Year Update to the Shelby County MSW Planning Region's Ten-Year Solid Waste Plan. The additional information provided by Mr. Andy Ashford has been reviewed and the Five-Year Update stands approved.

This revised plan is intended to serve as a guideline for the region's solid waste reduction activities during the upcoming ten-year period. Tennessee Code Annotated §68-211-815 requires that it be consistent with the state solid waste plan, with the provisions of this part, with all other applicable provisions of law, and, with any regulation promulgated by the department. Any changes or updates in this plan must be identified and reported in the region's annual progress reports and the next five-year update.

If you have comments, questions, or need our assistance, please contact me at the Division of Community Assistance, (615) 532-0082 or bknight@mail.state.tn.us

Sincerely,

Robert G. Knight
Solid Waste Assistance Programs

cc: The Honorable Jim Rout, Shelby County Mayor
Mr. Andy Ashford, Secretary, Shelby Co. MSW Regional Board
Mr. Jeff Reece, Planner, Memphis and Shelby County
Mr. Steve Andrews, SWM, Memphis Area Association of Governments
Mr. Mike Stooksberry, S/W Consultant, CTAS
Mr. Terry Templeton, EC, Memphis Environmental Assistance Center

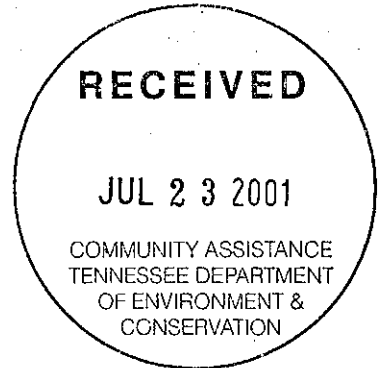
**SHELBY COUNTY
MUNICIPAL SOLID WASTE PLANNING BOARD**

Paul Patterson, Chairman

Sam Beach, Vice Chairman

Andy Ashford, Secretary

July 20, 2001



Mr. Bob Knight
Division of Community Assistance
L&C Tower, 8th Floor
401 Church Street
Nashville, TN 37243

RE: Five-Year Update Additional Information

Dear Bob:

Per your July 5th letter regarding the additional information needed for our 5 Year Plan, we are pleased to provide the attached responses. On behalf of the Shelby County Solid Waste Planning Board, I appreciate you pointing these areas of concern out to us. This board prides itself in submitting complete and accurate information, therefore we regret any inconvenience these omissions may have caused.

Again, thank you for your thoroughness and assistance. Should there be any further questions or comments please advise accordingly.

Sincerely,

Handwritten signature of Andy Ashford in cursive.

Andy Ashford
Secretary
Shelby County Municipal Solid Waste Planning Board

copy: Paul Patterson, Chairman
Board Members
Jeff Reece, Principal Planner, Div. of Planning and Assistance
File

RECEIVED

JUL 23 2001

COMMUNITY ASSISTANCE
TENNESSEE DEPARTMENT
OF ENVIRONMENT &
CONSERVATION

SHELBY COUNTY REGION
REGION NAME

To the best of my knowledge, the foregoing information is accurate as of the date of submission of this report:

PAUL PATTERSON

Typed Name of the Chairman of the Solid Waste Planning Region



Signature of the Chairman of the Solid Waste Planning Region

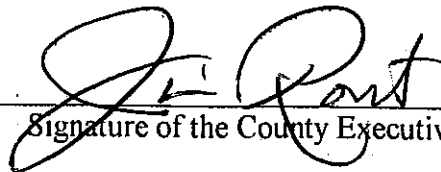
MAY 23, 2001

Date

To the best of my knowledge, the foregoing information is accurate as of the date of submission of this report:

JIM ROUNT, SHELBY COUNTY MAYOR

Typed Name of the County Executive(s)



Signature of the County Executive(s)

MAY 23, 2001

Date

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Chapter 1: Summary of the Update Report

A. Shelby County Municipal Solid Waste Region

1. Description

The Solid Waste Region consists of one county, Shelby County, Tennessee. There are seven incorporated municipalities in the county: Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington. The population of Shelby County in 2000 was 897,472.

2. Solid Waste Board

The Shelby County Municipal Solid Waste Regional Board was created in 1992 by resolution of the Shelby County Board of Commissioners. There are 13 members. The City of Memphis has five representatives on the board, Shelby County Government has two, with the six smaller suburban municipalities having one representative each.

3. Solid Waste Plans and Annual Progress Reports

The *Shelby County Municipal Solid Waste Regional Plan* was submitted to the State of Tennessee Department of Environment and Conservation on June 30, 1994. The plan was approved by TDEC on May 9, 1995.

This Five-Year Update is the first revision of the 1995 plan.

Each March, the Solid Waste Board submits an annual progress report on the previous year's solid waste activities to TDEC.

4. Costs and Revenues of Solid Waste Programs

Costs for solid waste programs in Shelby County exceeded \$50 million for Fiscal Year 2000. Solid waste costs for the City of Memphis represented approximately 85 percent of the total costs for the region.

Revenues for solid waste programs in Shelby County are generated primarily from fees assessed local residents and businesses and transfers-in from general fund tax dollars. Other revenue sources for some municipalities include income from the sale of recyclables and grants from the State of Tennessee.

5. Mandates of the State of Tennessee

The Solid Waste Board follows the mandates of the State of Tennessee in overseeing solid waste activities in Shelby County. (See Table 1-A for a summary of Tennessee's solid waste mandates.)

B. Waste Stream

1. Total Generated Waste Stream

The total generated waste stream in Shelby County in Calendar Year 2000 was estimated to be 1,710,922 tons of solid waste. This figure represents the amount of Shelby

County's municipal solid waste disposed of in Class I landfills both in the region and out of the region (1,113,144), plus the estimated amount of Shelby County's municipal solid waste reduced or diverted (592,778 tons), plus unmanaged wastes (5,000 tons.)

2. Waste Stream Goal Established in the 1995 Solid Waste Plan

- Reduce by 25 percent the amount of Shelby County's solid waste being disposed of in Class I landfills.

3. Strengths

Each year since 1994, Shelby County has met the State's goal of reducing by 25 percent the amount of waste being disposed of in Class I landfills and incinerators.

4. Weaknesses

No weaknesses have been identified in the region's efforts to comply with the State's 25 percent reduction goal.

5. Assessed Needs and Minimum Mandates

With the fast pace of development in Memphis and Shelby County comes the generation of additional municipal solid waste. The demands on local landfills will continue to grow.

C. Collection and Transportation

1. Existing System

Each municipal government in Shelby County provides solid waste collection for residents as a municipal service or contracts with a professional waste collection company. One hundred percent of all single-family households in the seven municipalities in Shelby County receive door-to-door collection services.

Shelby County Government does not provide waste collection services for residents of unincorporated Shelby County. However, the County maintains collection agreements with several private waste collection companies to provide these services. It is estimated that approximately 59 percent of all single-family households in unincorporated Shelby County contract with one of the local waste collection companies.

However, one hundred percent of all single-family households in unincorporated Shelby County have access to waste collection services since the major haulers in the county have agreed to provide collection services to any single-family household in unincorporated Shelby County willing to pay for the services. It is estimated that 95 percent of the total number of single-family households in Shelby County (in both incorporated and unincorporated areas) receive professional waste collection services.

2. Collection and Transportation Goal Established in the 1995 Solid Waste Plan

- Assure that first-quality solid waste collection and transportation services are available to all residents and businesses in Shelby County.

f. Solid Waste Education

The Shelby County Region and each jurisdiction within must establish and implement solid waste action education plans.

3. Implementation Schedule for Current Facilities and Programs

All current solid waste facilities in the region are operating effectively and all solid waste programs have been implemented successfully. (See Table 1-B.)

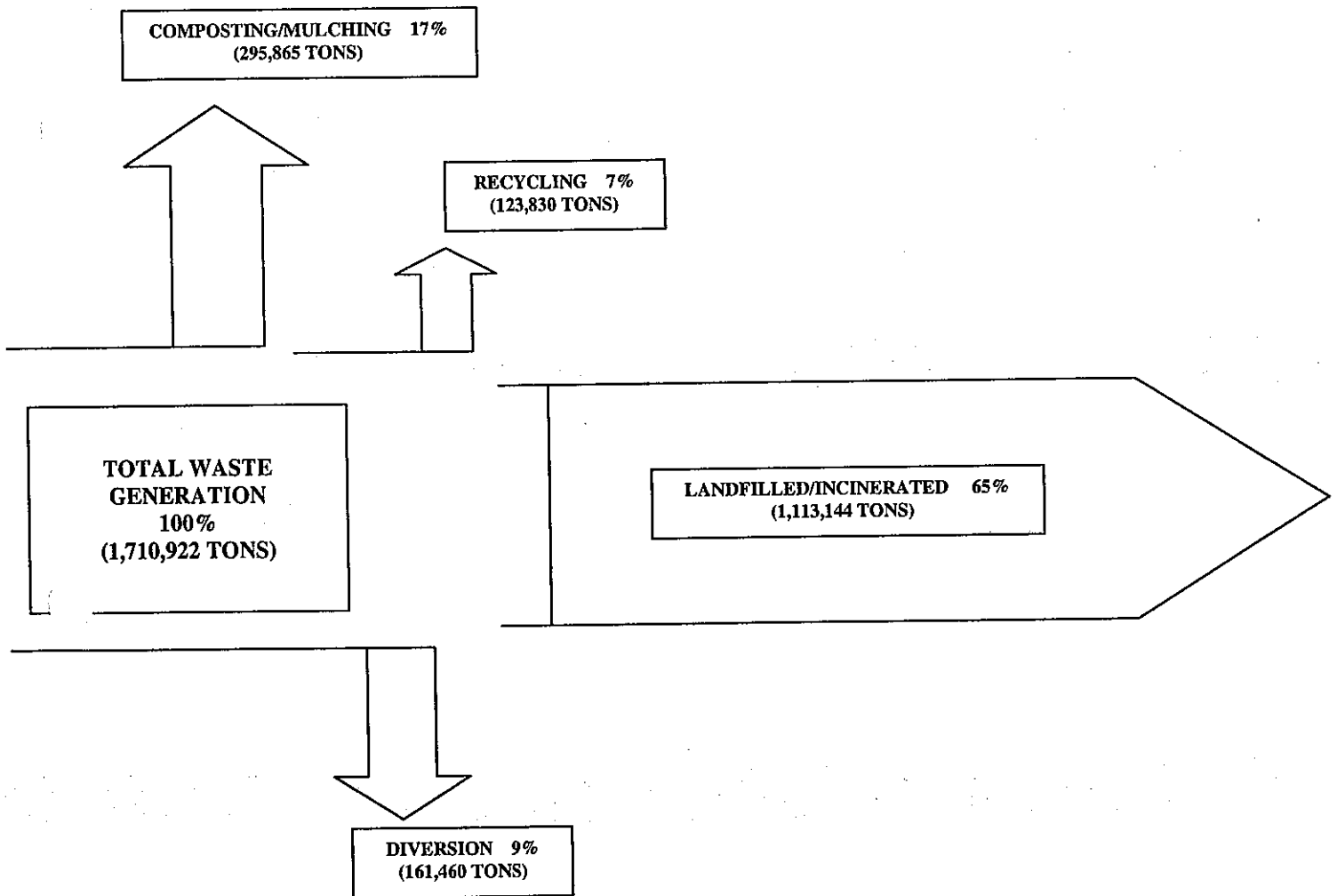
4. Implementation Schedule for Proposed Facilities and Programs

The SCEIC plans to open several drop-off recycling sites for residents of unincorporated Shelby County. The first site is scheduled to open later in 2001.

The EARTH Complex Landfill is a permitted Class I landfill owned by the City of Memphis. It is currently not in operation and there are no plans to open the landfill in the foreseeable future. (See Table 1-B.)

FIGURE 1-B

WASTE STREAM FLOW FOR SHELBY COUNTY, 2000



NOTE: SOURCE REDUCTION (11,623 TONS) AND UNMANAGED WASTES (5,000 TONS) EACH REPRESENT LESS THAN ONE PERCENT OF THE TOTAL GENERATED WASTE STREAM FOR SHELBY COUNTY.

Chapter 3: Waste Stream

A. Waste Stream Report for 2000

1. Tons of Municipal Solid Waste Generated and Disposed

In 2000, Shelby County generated 1,113,144 tons of solid waste that was disposed of in Class I landfills. (See Table 3-A for more detailed information.)

2. Waste Generated by Economic Sector

(See Table 3-B for estimates of waste generated by economic sector.)

3. Waste Generated by Source

(See Table 3-C for estimates of waste generated by source.)

4. Tons Reduced or Diverted

In 2000, Shelby County reduced or diverted an estimated 592,778 tons of solid waste. (See Table 3-D for more information.)

5. Total Generated Waste Stream

The total generated waste stream for Shelby County in 2000 was estimated at 1,710,922 tons of solid waste. This figure represents the tons of municipal solid waste generated and disposed of in Class I landfills (1,113,144 tons), plus the estimated tons of waste reduced or diverted (592,778 tons), plus unmanaged wastes (5,000 tons.)

6. Waste Stream Flow

(See Figure 1-B for a diagram depicting the region's waste stream flow.)

7. Recent Demographic Trends Affecting Waste Generation and Disposal

The population of Shelby County increased by 8.6 percent from 1990 to 2000.

The local economy has been very strong in the late 1990s. From 1996 to 1999, investments in new or expanding industries in Shelby County averaged \$1.55 billion per year. From 1996 to 1999, jobs in Memphis and Shelby County increased at an average rate of 13,600 per year.

With the fast pace of development in Memphis and Shelby County comes the generation of additional municipal solid waste. Demands on landfills will continue to grow.

TABLE 3-D

ESTIMATES OF WASTE REDUCED OR DIVERTED, 2000

REDUCTION/ DIVERSION METHOD	ESTIMATED TONS	ESTIMATED PERCENTAGE OF TOTAL GENERATED WASTE STREAM (1,710,922 TONS)
SOURCE REDUCTION	11,623	*
RECYCLING	123,830	.07
COMPOSTING/MULCHING	295,865	.17
DIVERSION		
CLASS III /IV LANDFILLS	156,455	---
AIR CURTAIN DESTRUCTOR	5,005	---
TOTAL	161,460	.09
UNMANAGED WASTES (BACKYARD BURNING, DUMPS, DITCHES, ETC.)	5,000	*
	-----	-----
TOTAL	597,778	.35**

* LESS THAN .01 OF TOTAL.

** TOTAL INCLUDES FRACTIONS OF ONE PERCENT FROM SOURCE REDUCTION AND UNMANAGED WASTES CATEGORIES.

NOTE: SEE FIGURE 1-B FOR A GRAPHIC DEPICTION OF THESE FIGURES.

SOURCE: SHELBY COUNTY MUNICIPAL SOLID WASTE PLANNING REGION ANNUAL PROGRESS REPORT, 2000

TABLE 1-B

TEN-YEAR IMPLEMENTATION SCHEDULE FOR
CURRENT AND PROPOSED FACILITIES AND PROGRAMS,
2001 THROUGH 2010

	STATUS IN	FUTURE IMPLEMENTATION SCHEDULE										
		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CURRENT FACILITIES AND PROGRAMS												
SOLID WASTE COLLECTION AND TRANSPORTATION SERVICES	(IM)											
TOWN OF ARLINGTON (CONTRACTED WITH WASTE MANAGEMENT)	(IM)											
CITY OF BARTLETT	(IM)											
TOWN OF COLLIERVILLE	(IM)											
CITY OF GERMANTOWN (CONTRACTED WITH BROWNING-FERRIS INDUSTRIES)	(IM)											
CITY OF LAKE LAND (CONTRACTED WITH BROWNING-FERRIS INDUSTRIES)	(IM)											
CITY OF MEMPHIS	(IM)											
CITY OF MILLINGTON	(IM)											
PRIVATE COLLECTION AND TRANSPORTATION COMPANIES PROVIDING SERVICES FOR BUSINESSES, INSTITUTIONS, MULTIFAMILY DWELLINGS/COMMUNITIES, AND SINGLE-FAMILY HOUSEHOLDS IN UNINCORPORATED SHELBY COUNTY	(IM)											
SHELBY COUNTY MUNICIPAL SOLID WASTE BOARD	(IM)											
AGRICENTER INTERNATIONAL (MEETING SITE)	(IM)											
RECYCLING PROGRAMS	(IM)											
TOWN OF ARLINGTON	(IM)											
CITY OF BARTLETT	(IM)											
TOWN OF COLLIERVILLE	(IM)											
CITY OF GERMANTOWN	(IM)											
CITY OF LAKE LAND	(IM)											
CITY OF MEMPHIS "RECYCLE MEMPHIS"	(IM)											
CITY OF MILLINGTON	(IM)											
SHELBY COUNTY GOVERNMENT	(IM)											
VARIOUS PRIVATE RECYCLING PROGRAMS PROVIDING SERVICES FOR RESIDENTS OF UNINCORPORATED SHELBY COUNTY	(IM)											

TABLE 1-B

(CONTINUED)

STATUS	FUTURE IMPLEMENTATION SCHEDULE										
	IN	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	2000										
MATERIALS PROCESSING AND PRIVATE RECYCLING FACILITIES											
FCR TENNESSEE, INC.	(IM)										
PRIVATE MATERIALS PROCESSING FACILITIES AND RECYCLERS	(IM)										
COMPOSTING PROGRAMS											
CITY OF MEMPHIS EARTH COMPLEX	(IM)										
MULCHING OPERATIONS	(IM)										
PUBLIC AND PRIVATE MULCHING OPERATIONS											
INCINERATORS											
STERICYCLE MEDICAL WASTE	(IM)										
CLEAN-UP AND LITTER PREVENTION PROGRAMS											
TOWN OF ARLINGTON	(IM)										
CITY OF BARTLETT	(IM)										
TOWN OF COLLIERVILLE	(IM)										
CITY OF GERMANTOWN	(IM)										
CITY OF LAKELAND	(IM)										
CITY OF MEMPHIS	(IM)										
CITY OF MILLINGTON	(IM)										
SHELBY COUNTY GOVERNMENT	(IM)										
CLASS I, III, AND IV LANDFILLS											
BROWNING FERRIS INDUSTRIES-NORTH SHELBY	(IM)										
BROWNING-FERRIS INDUSTRIES-SOUTH SHELBY	(IM)										
CHANDLER WRECKING COMPANY	(IM)										
FRANK ROAD	(IM)										
KLINKE ROAD	(IM)										
TRANSFER STATIONS											
BARTLETT	(IM)										
BELLEVUE BOULEVARD	(IM)										
COLLIERVILLE	(IM)										
FARRISVIEW BOULEVARD	(IM)										
SCOTT STREET	(IM)										
SOUTHERN DISPOSAL	(IM)										
WASTE MANAGEMENT	(IM)										

TABLE 1-B

(CONTINUED)

STATUS	FUTURE IMPLEMENTATION SCHEDULE									
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009

WASTE-TO-ENERGY PROGRAMS ALLEN FOSSIL FUEL PLANT	(IM)										
PROBLEM WASTES FACILITIES AND PROGRAMS	(IM)										
STATE OF TENNESSEE HOUSEHOLD HAZARDOUS WASTE	(IM)										
MOBILE COLLECTION SERVICE	(IM)										
CITY OF MEMPHIS TIRE SHREDDER	(IM)										
PRIVATE RECYCLERS OF WASTE OIL AND AUTO FLUID	(IM)										
PRIVATE RECYCLERS OF LEAD-ACID BATTERIES	(IM)										
SOLID WASTE EDUCATION PROGRAMS	(IM)										
GERMANTOWN ENVIRONMENTAL COMMISSION	(IM)										
MEMPHIS CITY BEAUTIFUL COMMISSION	(IM)										
MEMPHIS CITY SCHOOLS	(IM)										
CITY OF MEMPHIS "RECYCLE MEMPHIS"	(IM)										
SHELBY COUNTY ENVIRONMENTAL IMPROVEMENT COMMISSION	(IM)										
SHELBY COUNTY SCHOOLS	(IM)										
KEEP TENNESSEE BEAUTIFUL	(IM)										
PROPOSED FACILITIES/PROGRAMS											
RECYCLING PROGRAMS	(PL)										
SHELBY COUNTY ENVIRONMENTAL IMPROVEMENT COMMISSION	(PL)										
DROP-OFF SITES	(PL)										
CLASS I, III, AND IV LANDFILLS	(UN)										
CITY OF MEMPHIS EARTH COMPLEX	(UN)										
IMPLEMENTED AND OPERATING	(IM)										
PLANNED	(PL)										
IMPLEMENTATION UNDETERMINED	(UN)										

APPENDIX A-1

**FORMATION RESOLUTION OF THE
SHELBY COUNTY MUNICIPAL SOLID WASTE REGION**

APPENDIX A-2

**SIGNATURE PAGE FOR THE
CHAIRMAN OF THE SHELBY COUNTY MUNICIPAL SOLID WASTE REGIONAL BOARD
AND SHELBY COUNTY MAYOR**



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Community Assistance
L & C Tower-8th Floor
401 Church Street
Nashville, TN 37243-1533

July 5, 2001

Mr. Paul Patterson, Chairman
Shelby County Municipal Solid Waste Planning Region 79
125 North Main Street, Room 628
Memphis, TN 38103

Dear Mr. Patterson:

The Five-Year Update to the Shelby County MSW Planning Region's Ten-Year Solid Waste Plan has been reviewed and, while most of the information provided is complete and adequate, there are three areas that need additional information or clarification:

CHAPTER 1:SUMMARY

Chapter 1.1 requires a 10-year implementation schedule, illustrating current and planned facilities and programs.

CHAPTER 3:WASTE STREAM

Chapter 3.A.5. The total generated stream shown here does not agree with that figure shown in Figure 1-B and Table 3-D. Please reconcile these figures.

APPENDIX A

Appendix A of the guidelines included a signature page for the chair of the S/W planning board and the county executive. Please have these two signatures affixed to the signature page attached.

This office should receive your response to these comments no later than September 5, 2001. If you have questions or need assistance, please telephone me at (615) 532-0082 or e-mail me at: bknight@mail.state.tn.us

Sincerely,

Robert G. Knight
Solid Waste Assistance Programs

cc: The Honorable Jim Rout, Shelby County Mayor
Mr. Andy Ashford, Secretary, Shelby Co. MSW Regional Board
Mr. Jeff Reece, Planner, Memphis and Shelby County
Mr. Steve Andrews, SWM, Memphis Area Association of Governments
Mr. Mike Stooksberry, S/W Consultant, CTAS
Mr. Terry Templeton, EC, Memphis Environmental Assistance Center



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Community Assistance
401 Church Street, 8th Floor
Nashville, TN 37243-1533

May 31, 2001

Mr. Paul Patterson, Chairman
Shelby Co. Municipal SW Planning Region 79
125 North Main Street, Rm 628
Memphis, TN 38103

RE: Five-year Update to Ten-year Solid Waste Plan
Shelby Co. Municipal SW Planning Region

Dear Mr. Patterson:

Thank you for your timely submission of the Shelby Co. Municipal SW Planning Region Update Plan. We received your plan on May 30, 2001. Division staff will complete the review within the next 90 days as required by The Solid Waste Act of 1991.

If you need additional information or have further questions, please contact me at 615-532-0744.

Sincerely,

A handwritten signature in cursive script that reads "Becky Gorham".

Becky Gorham

RPG:pag

cc: The Honorable Jim Rout, Shelby County Mayor
Shelby County Solid Waste Director
Mr. Steve Andrews, (SWM), Memphis Area Assoc. of Governments
Mr. Mike Stooksberry, SW Management Consultant, CTAS
Mr. Jeff Reese, Planner, Memphis & Shelby County
Mr. Terry Templeton EC, Memphis Environmental Assistance Center

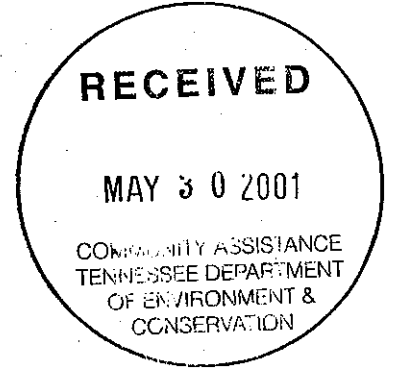
**SHELBY COUNTY
MUNICIPAL SOLID WASTE PLANNING BOARD**

Paul Patterson, Chairman

Sam Beach, Vice Chairman

Andy Ashford, Secretary

May 23, 2001



Mr. Ron Graham
Division of Community Assistance
8th Floor, L&C Tower
401 Church Street
Nashville, TN 37243-1533

RE: 5 Year Update

Dear Mr. Graham:

The Shelby County Municipal Solid Waste Planning Board is pleased to submit the enclosed Five Year Update for the Shelby County Solid Waste Region.

Should there be any questions regarding the information provided in this document, please contact Andy Ashford, Board Secretary, at (901) 576-6868 or Jeff Reece, with the Department of Regional Services at (901) 379-7861.

Sincerely,

A handwritten signature in cursive that reads "Paul Patterson".

Paul Patterson, Chairman
Shelby County Municipal Solid Waste Planning Board

Copy: Board Members
Jeff Reece
File



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
NASHVILLE, TENNESSEE 37243-0435

DON SUNDQUIST
GOVERNOR

MILTON H. HAMILTON, JR.
COMMISSIONER

CERTIFIED MAIL

August 25, 2000

Mr. Paul Patterson, Chairman
Shelby Co. Municipal SW Planning Region 77
125 North Main Street, Rm 628
Memphis, TN 38103

RE: Five-Year Update to Ten-Year Solid Waste Plan

Dear Mr. Patterson:

The Department of Environment and Conservation has not received the Shelby County Solid Waste Planning Region's Five-Year Update to its solid waste plan. The Solid Waste Management Act of 1991 [T.C.A. 68-211-814 (2)] requires that these plans be revised every five years after the its initial approval. The Shelby County revision was due to the Division of Community Assistance on May 9, 2000.

The Region must submit the required Five-Year Update within 30 days of receipt of this letter. Otherwise, the region and jurisdiction(s) within the region may lose eligibility for grants from the Solid Waste Management Fund. If non-compliance continues, additional sanctions may follow [T.C.A. 68-211-816].

I am certain that the Shelby County Solid Waste Planning Region will give these issues the serious consideration that is warranted. If you need additional information, please contact Louis Bordenave with the Division of Community Assistance, at 615-532-0095.

Sincerely,

Milton H. Hamilton, Jr.

MHH:RLG:RPG

cc: The Honorable Jim Rout, Shelby County Mayor
Mr. Ted Fox, Director of Public Works
Mr. Steve Andrews, Memphis Area Association of Governments
Mr. Mike Stooksberry, CTAS-WT

**SHELBY COUNTY
MUNICIPAL SOLID WASTE PLANNING BOARD**

Paul Patterson, Chairman

Sam Beach, Vice Chairman

Andy Ashford, Secretary

May 23, 2001



Mr. Ron Graham
Division of Community Assistance
8th Floor, L&C Tower
401 Church Street
Nashville, TN 37243-1533

RE: 5 Year Update

Dear Mr. Graham:

The Shelby County Municipal Solid Waste Planning Board is pleased to submit the enclosed Five Year Update for the Shelby County Solid Waste Region.

Should there be any questions regarding the information provided in this document, please contact Andy Ashford, Board Secretary, at (901) 576-6868 or Jeff Reece, with the Department of Regional Services at (901) 379-7861.

Sincerely,

A handwritten signature in cursive script that reads "Paul Patterson".

Paul Patterson, Chairman
Shelby County Municipal Solid Waste Planning Board

Copy: Board Members
Jeff Reece
File



RECEIVED

MAY 30 2001

COMMUNITY ASSISTANCE
TENNESSEE DEPARTMENT
OF ENVIRONMENT &
CONSERVATION

Introduction

A. Solid Waste Planning in Tennessee

The Tennessee General Assembly passed the *Solid Waste Management Act of 1991* establishing a comprehensive solid waste management plan for the state. Entitled "Managing Our Wastes: Solid Waste Planning for Tennessee," the plan contained goals, standards, and criteria for the planning, funding, implementation, and effective maintenance of a comprehensive solid waste management program for the state.

The act authorized the establishment of municipal solid waste regions in the state and municipal solid waste regional boards to direct planning activities in the regions.

Shelby County elected to form its own municipal solid waste region and the Shelby County Municipal Solid Waste Regional Board was created in 1992 by resolution of the Shelby County Board of Commissioners.

B. Development of the Shelby County Plan

The act directed each municipal solid waste region to prepare a municipal solid waste plan. The *Shelby County Municipal Solid Waste Regional Plan* was prepared by the Memphis and Shelby County Division of Planning and Development (DPD) under the direction of the Solid Waste Board in 1993 and 1994. The plan was submitted to the State of Tennessee Department of Environment and Conservation (TDEC) on June 30, 1994, and was approved by TDEC on May 9, 1995.

C. Development of the Five-Year Update of the Shelby County Plan

This *Five-Year Update of the Shelby County Municipal Solid Waste Regional Plan* is the first revision of the 1995 plan. The update was prepared by DPD under the direction of the Solid Waste Board.

D. Organization of the Update Report

The update report follows the specifications set forth by TDEC in its document *Guidelines for Preparation of Five-Year Updates to Municipal Solid Waste Regional Plans* (1999).

The report consists of an introductory section, ten chapters of text, eight appendices, 26 tables, and two figures. In the chapters and appendices, tables and figures referenced are presented immediately following the text.

E. Questions or Comments About the Update Report

Questions or comments about the update report may be directed to:

Andy Ashford, Secretary
Shelby County Municipal Solid Waste Regional Board
125 North Main Street, Room 628
Memphis, Tennessee 38103
901-576-6868 (telephone)
901-576-6879 (fax)
andy1@memphis.magibox.net (e-mail);

or

Jeff Reece, Principal Planner
Memphis and Shelby County Division of Planning and Development
Department of Regional Services
Environmental Planning Section
1075 Mullins Station Road
Memphis, Tennessee 38134
901-379-7861 (telephone)
901-379-7864 (fax)
Reece-J@co.shelby.tn.us (e-mail).

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Chapter 1: Summary of the Update Report

A. Shelby County Municipal Solid Waste Region

1. Description

The Solid Waste Region consists of one county, Shelby County, Tennessee. There are seven incorporated municipalities in the county: Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington. The population of Shelby County in 2000 was 897,472.

2. Solid Waste Board

The Shelby County Municipal Solid Waste Regional Board was created in 1992 by resolution of the Shelby County Board of Commissioners. There are 13 members. The City of Memphis has five representatives on the board, Shelby County Government has two, with the six smaller suburban municipalities having one representative each.

3. Solid Waste Plans and Annual Progress Reports

The *Shelby County Municipal Solid Waste Regional Plan* was submitted to the State of Tennessee Department of Environment and Conservation on June 30, 1994. The plan was approved by TDEC on May 9, 1995.

This Five-Year Update is the first revision of the 1995 plan.

Each March, the Solid Waste Board submits an annual progress report on the previous year's solid waste activities to TDEC.

4. Costs and Revenues of Solid Waste Programs

Costs for solid waste programs in Shelby County exceeded \$50 million for Fiscal Year 2000. Solid waste costs for the City of Memphis represented approximately 85 percent of the total costs for the region.

Revenues for solid waste programs in Shelby County are generated primarily from fees assessed local residents and businesses and transfers-in from general fund tax dollars. Other revenue sources for some municipalities include income from the sale of recyclables and grants from the State of Tennessee.

5. Mandates of the State of Tennessee

The Solid Waste Board follows the mandates of the State of Tennessee in overseeing solid waste activities in Shelby County. (See Table I-A for a summary of Tennessee's solid waste mandates.)

B. Waste Stream

1. Total Generated Waste Stream

The total generated waste stream in Shelby County in Calendar Year 2000 was estimated to be 1,705,922 tons of solid waste. This figure represents the amount of Shelby

County's municipal solid waste disposed of in Class I landfills both in the region and out of the region (1,113,144) plus the estimated amount of Shelby County's municipal solid waste reduced or diverted (592,778 tons.)

2. Waste Stream Goal Established in the 1995 Solid Waste Plan

- Reduce by 25 percent the amount of Shelby County's solid waste being disposed of in Class I landfills.

3. Strengths

Each year since 1994, Shelby County has met the State's goal of reducing by 25 percent the amount of waste being disposed of in Class I landfills and incinerators.

4. Weaknesses

No weaknesses have been identified in the region's efforts to comply with the State's 25 percent reduction goal.

5. Assessed Needs and Minimum Mandates

With the fast pace of development in Memphis and Shelby County comes the generation of additional municipal solid waste. The demands on local landfills will continue to grow.

C. Collection and Transportation

1. Existing System

Each municipal government in Shelby County provides solid waste collection for residents as a municipal service or contracts with a professional waste collection company. One hundred percent of all single-family households in the seven municipalities in Shelby County receive door-to-door collection services.

Shelby County Government does not provide waste collection services for residents of unincorporated Shelby County. However, the County maintains collection agreements with several private waste collection companies to provide these services. It is estimated that approximately 59 percent of all single-family households in unincorporated Shelby County contract with one of the local waste collection companies.

However, one hundred percent of all single-family households in unincorporated Shelby County **have access** to waste collection services since the major haulers in the county have agreed to provide collection services to any single-family household in unincorporated Shelby County willing to pay for the services. It is estimated that 95 percent of the total number of single-family households in Shelby County (in both incorporated and unincorporated areas) receive professional waste collection services.

2. Collection and Transportation Goal Established in the 1995 Solid Waste Plan

- Assure that first-quality solid waste collection and transportation services are available to all residents and businesses in Shelby County.

3. Strengths of System

One hundred percent of all single-family households in Shelby County have access to professional waste collection services. Approximately 95 percent of all single-family households in Shelby County receive professional waste collection services.

4. Weaknesses of System

No weaknesses have been identified in the solid waste collection system in Shelby County.

5. Existing System Versus Assessed Needs and Minimum Mandates

The existing system is adequate to meet the needs of Shelby County residents and the minimum mandates of the State of Tennessee.

D. Recycling

1. Existing System

Each of the seven municipalities in Shelby County sponsors a recycling program. Several private waste collection companies in unincorporated Shelby County offer recycling services to their clients for a fee.

There are approximately 35 private companies engaged in recycling in Shelby County.

There is one major materials processing facility in the region and one major composting facility. There are more than a dozen publicly and privately operated mulching programs in the region.

2. Recycling Goals Established in the 1995 Solid Waste Plan

- Increase recycling opportunities for residents and businesses in Shelby County.
- Increase composting/mulching opportunities for residents and businesses in Shelby County.
- Encourage the development of solid waste processing and waste-to-energy programs and facilities in Shelby County by private industry.
- Encourage the development and expansion of markets for recycled and composted products.

3. Strengths of System

Each municipality in Shelby County sponsors a recycling program. Items most often collected include newspapers; plastics #1 and #2; clear, green, and brown glass; aluminum cans; steel cans; corrugated cardboard; and telephone books. Average participation in some programs exceeds 50 percent.

Several private waste collection companies offer recycling services to residents of unincorporated Shelby County.

There are approximately 35 private companies engaged in recycling in Shelby County.

There are more than a dozen mulching operations in Shelby County. Grass, leaves, limbs, and Christmas trees are collected.

A "state-of-the-art" materials processing facility serves Bartlett, Collierville, Germantown, Lakeland, and Memphis.

4. Weaknesses of System

Several solid waste collection companies in unincorporated Shelby County, which previously offered recycling services to their customers, have either reduced or stopped offering these services.

In the past, local recycling collection programs primarily have focused on single-family residences. Additional programs are needed for multifamily residences and businesses.

There is only one composting facility in Shelby County—located in the far southwestern section of the county.

5. Existing System Versus Assessed Needs and Minimum Mandates

Reliable recycling services are needed for residents of unincorporated Shelby County.

Increased recycling opportunities are needed for multifamily residents and businesses.

Additional composting operations easily accessible to all Shelby County residents are needed.

E. Disposal

1. Existing System

There are two Class I landfills operating in the county, both owned by Browning-Ferris Industries (BFI): BFI North Shelby Landfill and BFI South Shelby Landfill. The permitted EARTH (Environmental And Resource Technology) Complex Landfill is a Class I landfill owned by the City of Memphis. It is not in operation and there are no plans at this time to open the landfill.

There are three Class III/IV landfills and seven waste transfer stations operating in the region.

Shelby County has one medical waste incinerator and one waste-to-energy program using waste tires to produce a fuel additive.

In 2000, a total of 159,425 tons of Shelby County's solid waste were exported from the region for disposal. This waste was transported by private haulers to landfills in Mississippi and Arkansas.

In 2000, a total of 315,490 tons of municipal solid waste were imported into Shelby County from out of the region for disposal.

2. Disposal Goals Established in the 1995 Solid Waste Plan
 - Assure that first-quality solid waste disposal services are available to all residents and businesses in Shelby County.
 - Assure that landfills in Shelby County have adequate capacities in future years to meet the county's future disposal needs.

3. Strengths of System

Disposal costs in the region are at or below national figures.

Both BFI landfills recently were approved by the State of Tennessee for facility expansions. With the expansions, the BFI South Shelby Landfill has approximately 15 years of disposal capacity remaining. The BFI North Shelby Landfill has approximately 40 years of disposal capacity remaining.

The permitted EARTH Complex Landfill remains an option for the future.

4. Weaknesses of System

No weaknesses have been identified in the solid disposal system in Shelby County.

5. Existing System Versus Assessed Needs and Minimum Mandates

The existing system is adequate to meet the needs of Shelby County residents and the minimum mandates of the State of Tennessee.

F. Problem Wastes

1. Existing System

Shelby County uses the State of Tennessee's household hazardous waste mobile collection program to serve local residents.

The City of Memphis operates a tire shredding facility that serves the region. Tire dealers in Memphis and Shelby County contract with haulers to transport waste tires to the tire shredder.

The Allen Fossil Fuel Plant, owned by the Tennessee Valley Authority (TVA), operates a waste-to-energy program using chipped waste tires to produce a fuel additive.

There are more than 50 public and private oil and auto fluid collection sites in Shelby County.

All businesses that sell batteries are required to accept used batteries upon purchase of new batteries. There are more than 100 businesses in Shelby County that sell batteries.

2. Problem Wastes Goal Established in the 1995 Solid Waste Plan

- Assure that residents of Shelby County have access to collection and disposal services for household hazardous waste and other problem wastes.

3. Strengths of System

The household hazardous waste mobile collection service collected 61 tons of waste in 2000. The tire shredder operated by the City of Memphis serves all residents of Shelby County. There are more than 50 public and private oil and auto fluid collection sites throughout Shelby County and more than 100 businesses accepting used batteries.

4. Weaknesses of System

Despite the availability of Memphis's tire shredder, there continues to be a problem of the dumping of tires, particularly in Memphis and unincorporated Shelby County.

5. Existing System Versus Assessed Needs and Minimum Mandates

The existing system is adequate to meet the needs of Shelby County residents and the minimum mandates of the State of Tennessee.

G. Solid Waste Education

1. Existing System

Several organizations in Shelby County sponsor solid waste education programs. They include the Germantown Environmental Commission, Memphis City Beautiful Commission, Memphis City Schools, the City of Memphis's Recycle Memphis program, the Shelby County Environmental Improvement Commission (SCEIC), Shelby County Schools, and the Keep Tennessee Beautiful program.

2. Solid Waste Education Goal Established in the 1995 Solid Waste Plan

- Increase environmental education programs and information services for citizens and businesses in Shelby County.

3. Strengths of System

The organizations sponsoring solid waste education programs in Shelby County are meeting the needs of local residents—especially the needs of students, government workers, and the general public. Several agencies have won awards for their solid waste education programs.

4. Weaknesses of System

The solid waste education programs generally have focused on programs for students, government workers, and the general public. No specific programs have been designed for local business owners and employees.

5. Existing System Versus Assessed Needs and Minimum Mandates

The existing system meets the needs of Shelby County residents and the minimum mandates of the State of Tennessee. However, additional emphasis should be placed on educating local business owners and employees.

H. Solid Waste Facilities and Programs in the Region

(See Figure 1-A.)

I. Waste Stream Flow

(See Figure 1-B.)

J. Future Solid Waste Plan

1. Revised Goals of the Update Report

a. Waste Stream

- By 2003, reduce by 25 percent the amount of Shelby County's waste being disposed of in Class I landfills and incinerators. As a minimum, meet the State's 25 percent goal qualitatively.

b. Collection and Transportation

- Assure that first-quality solid waste collection and transportation services are available to all residents and businesses in Shelby County.

c. Recycling

- Increase recycling opportunities for residents and businesses in Shelby County.
- Increase composting opportunities for residents and businesses in Shelby County.
- Encourage the development of solid waste processing and waste-to-energy programs and facilities in Shelby County.
- Encourage the development and expansion of markets for recycled and composted products.

d. Disposal

- Assure that first-quality solid waste disposal services are available to all residents and businesses in Shelby County.
- Assure that landfills in Shelby County have adequate capacities in future years to meet the county's disposal needs.

e. Problem Wastes

- In cooperation with the State of Tennessee's mobile collection service, assure that residents of Shelby County have adequate access to collection and disposal services for household hazardous waste and other problem wastes.

f. Solid Waste Education

- Increase solid waste education programs for citizens and businesses in Shelby County.

2. Implementation Responsibilities

a. Waste Stream

Each jurisdiction is responsible for reducing by 25 percent the amount of solid waste it disposes in Class I landfills and incinerators. Shelby County

Government, through the Solid Waste Board, bears the responsibility for ensuring that the Shelby County Municipal Solid Waste Region overall reduces its solid waste by 25 percent.

b. Collection and Transportation

Each municipality is responsible for establishing and monitoring the operations of its own collection and transportation system. Currently, this is accomplished either by the municipal governments themselves or by local governments contracting with private collection services. Municipal governments contracting with private haulers bear the responsibility to ensure that the private haulers provide adequate services for municipal residents.

Shelby County Government must assure that one or more collection systems are available to meet the needs of the residents of the county.

Shelby County Government will oversee and maintain collection agreements with private haulers to ensure adequate collection services for residents of unincorporated Shelby County.

c. Recycling

Each jurisdiction bears the responsibility for establishing and monitoring the operations of recycling programs for their residents.

However, if recycling collection sites are not otherwise available, Shelby County Government must provide at least one collection site for recyclables.

d. Disposal

Disposal of municipal solid waste in Shelby County is provided by Browning-Ferris Industries's two Class I landfills. Other private collection companies in the county haul waste to Class I landfills outside Shelby County. The Shelby County Board is responsible for assessing disposal facilities and assuring that available landfills have adequate capacities to meet the county's disposal needs.

Shelby County Government must assure that one or more disposal systems are available to meet the needs of the residents of the county.

e. Problem Wastes

If collection sites for problem wastes are not otherwise available, Shelby County Government must provide at least one collection site for waste tires, used oil, and lead-acid batteries.

f. Solid Waste Education

The Shelby County Region and each jurisdiction within must establish and implement solid waste action education plans.

3. Implementation Schedule for Current Facilities and Programs

All current solid waste facilities in the region are operating effectively and all solid waste programs have been implemented successfully.

4. Implementation Schedule for Proposed Facilities and Programs

The SCEIC plans to open several drop-off recycling sites for residents of unincorporated Shelby County. The first site is scheduled to open later in 2001.

The EARTH Complex Landfill is a permitted Class I landfill owned by the City of Memphis. It is currently not in operation and there are no plans to open the landfill in the foreseeable future.

TABLE 1-A

MANDATES OF THE SOLID WASTE MANAGEMENT ACT OF 1991

MANDATE	DIRECTIONS	STATUTORY ACT
TWENTY-FIVE PERCENT REDUCTION GOAL	THE GOAL OF THE STATE IS THAT EACH MUNICIPAL SOLID WASTE PLANNING REGION MUST HAVE REDUCED BY 25 PERCENT THE ANNUAL PER CAPITA AMOUNT OF WASTE DISPOSED IN CLASS I LANDFILLS AND INCINERATORS IN 1989 BY DECEMBER 31, 1995. *	[T.C.A. 68-211-861]
COUNTY-WIDE COLLECTION ASSURANCE	EACH COUNTY SHALL ASSURE THAT ONE OR MORE COLLECTION SYSTEMS ARE AVAILABLE TO MEET THE NEEDS OF THE RESIDENTS OF THE COUNTY.	[T.C.A. 68-211-851(a)]
COUNTY-WIDE DISPOSAL ASSURANCE	EACH COUNTY SHALL ASSURE THAT ONE OR MORE DISPOSAL SYSTEMS ARE AVAILABLE TO MEET THE NEEDS OF THE RESIDENTS OF THE COUNTY.	[T.C.A. 68-211-851(a)]
PROBLEM WASTE DISPOSAL ASSURANCE	IF COLLECTION SITES ARE NOT OTHERWISE AVAILABLE, EACH COUNTY MUST PROVIDE AT LEAST ONE COLLECTION SITE FOR WASTE TIRES, LEAD-ACID BATTERIES, AND USED OIL.	[T.C.A. 68-211-866(b)]
RECYCLABLE COLLECTION ASSURANCE	IF COLLECTION SITES ARE NOT OTHERWISE AVAILABLE, EACH COUNTY MUST PROVIDE AT LEAST ONE COLLECTION SITE FOR RECYCLABLES.	[T.C.A. 68-211-863]
SOLID WASTE EDUCATION PLANNING	IN ORDER TO LEGITIMIZE THEIR PROGRAMS AND QUALIFY FOR EDUCATION AWARDS AND GRANT MONEY, EACH REGION AND LOCAL JURISDICTION WITHIN SHOULD FORM COMPREHENSIVE EDUCATION ACTION PLANS.	[T.C.A. 68-21-(842-848)]
FULL FINANCIAL DISCLOSURE AND ACCOUNTABILITY	EACH COUNTY, SOLID WASTE AUTHORITY, AND MUNICIPALITY SHALL ACCOUNT FOR FINANCIAL ACTIVITIES RELATED TO THE MANAGEMENT OF SOLID WASTE IN EITHER A SPECIAL REVENUE FUND OR AN ENTERPRISE FUND ESTABLISHED EXPRESSLY FOR THAT PURPOSE.	[T.C.A. 68-211-874(a)]
MANDATED PLANNING, REPORTING, AND RECORD-KEEPING	MUNICIPAL SOLID WASTE PLANNING REGIONS ARE REQUIRED TO COMPILE TEN-YEAR SOLID WASTE PLANS AND ANNUAL REPORTS. ALL THOSE ACTIVELY ENGAGED IN SOLID WASTE ACTIVITIES ARE REQUIRED TO REPORT TO THEIR REGION AND, IN SOME CASES, TO THE STATE. LANDFILL, INCINERATOR, AND TRANSFER STATION OPERATORS MUST REPORT WASTE AMOUNTS IN TONS THROUGH THE USE OF SCALES.	[T.C.A. 68-211-813-814-815-871] [T.C.A. 68-211-871(c-e)] [T.C.A. 68-211-862]

* THIS MANDATE WAS AMENDED BY THE TENNESSEE GENERAL ASSEMBLY IN 1999, I.E.: (1) THE BASE YEAR WAS CHANGED FROM 1989 TO 1995, (2) REGIONS ARE NOW REQUIRED TO MEET THE GOAL BY DECEMBER 31, 2003, RATHER THAN ANNUALLY, (3) TDEC MAY ALLOW REGIONS TO EMPLOY AN ECONOMIC ADJUSTMENT FORMULA, (4) FOR REGIONS FAILING TO MEET THE THEIR GOAL QUANTITATIVELY, TDEC MAY ASSESS THOSE REGIONS QUALITATIVELY, AND (5) SOURCE REDUCTION, RECYCLING, AND DIVERSION EFFORTS THAT ACHIEVED DOCUMENTED REDUCTIONS IN 1995 ARE ALLOWED TO BE INCLUDED IN THE ESTABLISHMENT OF THE BASE YEAR.

SOURCES: GUIDELINES FOR PREPARATION OF FIVE-YEAR UPDATES TO MUNICIPAL SOLID WASTE REGIONAL PLANS, 1999, AND TENNESSEE'S COMPREHENSIVE SOLID WASTE MANAGEMENT UPDATE, APRIL 2000, TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

KEY TO FIGURE 1-A

SOLID WASTE FACILITIES AND PROGRAMS IN THE SHELBY COUNTY REGION

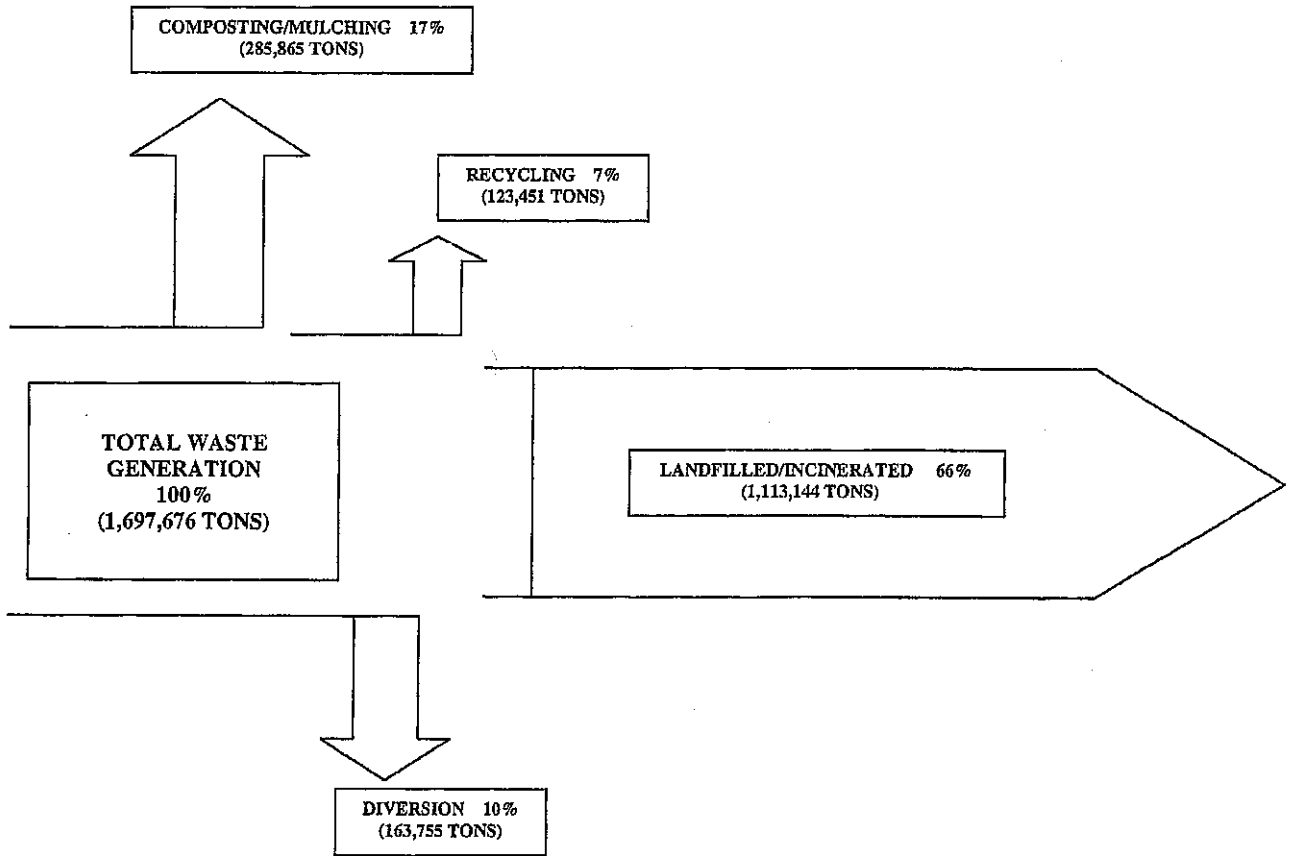
MAP #	FACILITY/PROGRAM	ADDRESS/LOCATION OF FACILITY OR HEADQUARTERS OF PROGRAM
SOLID WASTE COLLECTION AND TRANSPORTATION (CT) SERVICES		
CT1	TOWN OF ARLINGTON (CONTRACTED WITH WASTE MANAGEMENT)	5854 AIRLINE ROAD, ARLINGTON
CT2	CITY OF BARTLETT	3585 ALTRURIA ROAD, BARTLETT
CT3	TOWN OF COLLIERVILLE	167 WASHINGTON STREET, COLLIERVILLE
CT4	CITY OF GERMANTOWN (CONTRACTED WITH BROWNING-FERRIS INDUSTRIES)	7700 SOUTHERN AVENUE, GERMANTOWN
CT5	CITY OF LAKELAND (CONTRACTED WITH BROWNING-FERRIS INDUSTRIES)	10001 HIGHWAY 70, LAKELAND
CT6	CITY OF MEMPHIS	125 NORTH MAIN STREET, MEMPHIS
CT7	CITY OF MILLINGTON	4701 BILOXI STREET, MILLINGTON
CTV	16+ PRIVATE COLLECTION AND TRANSPORTATION COMPANIES PROVIDING SERVICES FOR BUSINESSES; INSTITUTIONS; MULTIFAMILY DWELLINGS/ COMMUNITIES; AND SINGLE-FAMILY HOUSEHOLDS IN UNINCORPORATED SHELBY COUNTY	
SHELBY COUNTY MUNICIPAL SOLID WASTE BOARD (BO)		
BO1	AGRICENTER INTERNATIONAL (MEETING SITE)	7777 WALNUT GROVE ROAD, MEMPHIS
RECYCLING (RC) PROGRAMS		
RC1	TOWN OF ARLINGTON	5854 AIRLINE ROAD, ARLINGTON
RC2	CITY OF BARTLETT	3585 ALTRURIA ROAD, BARTLETT
RC3	TOWN OF COLLIERVILLE	167 WASHINGTON STREET, COLLIERVILLE
RC4	CITY OF GERMANTOWN	7700 SOUTHERN AVENUE, GERMANTOWN
RC5	CITY OF LAKELAND	10001 HIGHWAY 70, LAKELAND
RC6	CITY OF MEMPHIS "RECYCLE MEMPHIS"	125 NORTH MAIN STREET, MEMPHIS
RC7	CITY OF MILLINGTON	4701 BILOXI STREET, MILLINGTON
RC8	SHELBY COUNTY GOVERNMENT	1075 MULLINS STATION ROAD, MEMPHIS
RCV	VARIOUS PRIVATE RECYCLING PROGRAMS PROVIDING SERVICES FOR RESIDENTS OF UNINCORPORATED SHELBY COUNTY	
MATERIALS PROCESSING (MP) AND PRIVATE RECYCLING FACILITIES		
MP1	FCR TENNESSEE, INC.	3197 FARRISVIEW BOULEVARD, MEMPHIS
MPV	35+ MATERIALS PROCESSING FACILITIES AND PRIVATE RECYCLERS LOCATED THROUGHOUT THE REGION	
COMPOSTING (CP) PROGRAMS		
CPI	CITY OF MEMPHIS EARTH COMPLEX	2389 HENNINGTON AVENUE, MEMPHIS
MULCHING (ML) OPERATIONS		
MLV	12+ PUBLIC AND PRIVATE MULCHING OPERATIONS LOCATED THROUGHOUT THE REGION	
INCINERATORS (IN)		
INI	STERICYCLE MEDICAL WASTE	540 RIVERGATE ROAD, MEMPHIS

KEY TO FIGURE 1-A

(CONTINUED)

MAP #	FACILITY/PROGRAM	ADDRESS/LOCATION OF FACILITY OR HEADQUARTERS OF PROGRAM
CLEAN-UP AND LITTER PREVENTION (CL) PROGRAMS		
CL1	TOWN OF ARLINGTON	5854 AIRLINE ROAD, ARLINGTON
CL2	CITY OF BARTLETT	3585 ALTRURIA ROAD, BARTLETT
CL3	TOWN OF COLLIERVILLE	167 WASHINGTON STREET, COLLIERVILLE
CL4	CITY OF GERMANTOWN	7700 SOUTHERN AVENUE, GERMANTOWN
CL5	CITY OF LAKELAND	10001 HIGHWAY 70, LAKELAND
CL6	CITY OF MEMPHIS	125 NORTH MAIN STREET, MEMPHIS
CL7	CITY OF MILLINGTON	4701 BILOXI STREET, MILLINGTON
CL8	SHELBY COUNTY GOVERNMENT	1075 MULLINS STATION ROAD, MEMPHIS
CLASS I, III, AND IV LANDFILLS (LF)		
LF1	BROWNING FERRIS INDUSTRIES-NORTH SHELBY	7111 OLD MILLINGTON ROAD, MILLINGTON
LF2	BROWNING-FERRIS INDUSTRIES-SOUTH SHELBY	5494 MALONE ROAD, MEMPHIS
LF3	CITY OF MEMPHIS EARTH COMPLEX (PERMITTED FACILITY/NOT OPERATIONAL)	2389 HENNINGTON AVENUE, MEMPHIS
LF4	CHANDLER WRECKING COMPANY	NORTH SIDE OF LEVBE ROAD BETWEEN NORTH THOMAS STREET AND INTERSTATE 240, MEMPHIS
LF5	FRANK ROAD	10636 SHELTON ROAD, COLLIERVILLE
LF6	KLINKE ROAD	382 KLINKE ROAD, MEMPHIS
TRANSFER STATIONS (TS)		
TS1	BARTLETT	6224 OLD BROWNSVILLE ROAD, BARTLETT
TS2	BELLEVUE BOULEVARD	1514 NORTH BELLEVUE BOULEVARD, MEMPHIS
TS3	COLLIERVILLE	450 EAST SOUTH STREET, COLLIERVILLE
TS4	FARRISVIEW BOULEVARD	3205 FARRISVIEW BOULEVARD, MEMPHIS
TS5	SCOTT STREET	289 SCOTT STREET, MEMPHIS
TS6	SOUTHERN DISPOSAL	621 EAST BROOKS ROAD, MEMPHIS
TS7	WASTE MANAGEMENT	3750 HATCHER CIRCLE, MEMPHIS
WASTE-TO-ENERGY PROGRAMS (WE)		
WE1	ALLEN FOSSIL FUEL PLANT	2574 STEAM PLANT ROAD, MEMPHIS
PROBLEM WASTES (PW) FACILITES AND PROGRAMS		
PW1	STATE OF TENNESSEE HOUSEHOLD HAZARDOUS WASTE MOBILE COLLECTION SERVICE (MAIN COLLECTION SITE)	105 SOUTH GERMANTOWN ROAD, MEMPHIS
PW2	CITY OF MEMPHIS TIRE SHREDDER	1530 LEVBE ROAD, MEMPHIS
PWO	50+ WASTE OIL AND AUTO FLUID RECYCLERS LOCATED THROUGHOUT THE REGION	
PWB	100+ RECYCLERS OF LEAD-ACID BATTERIES LOCATED THROUGHOUT THE REGION	
SOLID WASTE EDUCATION (ED) PROGRAMS		
ED1	GERMANTOWN ENVIRONMENTAL COMMISSION	7700 SOUTHERN AVENUE, GERMANTOWN
ED2	MEMPHIS CITY BEAUTIFUL COMMISSION	664 ADAMS AVENUE, MEMPHIS
ED3	MEMPHIS CITY SCHOOLS	2597 AVERY AVENUE, MEMPHIS
ED4	CITY OF MEMPHIS "RECYCLE MEMPHIS"	125 NORTH MAIN STREET, MEMPHIS
ED5	SHELBY COUNTY ENVIRONMENTAL IMPROVEMENT COMMISSION	1075 MULLINS STATION ROAD, MEMPHIS
ED6	SHELBY COUNTY SCHOOLS	160 SOUTH HOLLYWOOD STREET, MEMPHIS
ED7	KEEP TENNESSEE BEAUTIFUL	UNIVERSITY OF MEMPHIS, SOUTH CAMPUS, 976 WEST PARK LOOP, MEMPHIS

FIGURE 1-B
WASTE STREAM FLOW FOR SHELBY COUNTY, 2000



NOTE: SOURCE REDUCTION (11,146 TONS) AND UNMANAGED WASTES (5,000 TONS) EACH REPRESENT LESS THAN ONE PERCENT OF THE TOTAL GENERATED WASTE STREAM FOR SHELBY COUNTY.

Chapter 2: General Information About the Region

A. Description of the Shelby County Municipal Solid Waste Region

The region consists of one county, Shelby County, Tennessee. Shelby County is located in the southwestern portion of the state. It is bounded on the north by Tipton County, Tennessee; on the east by Fayette County, Tennessee; on the south by DeSoto and Marshall counties, Mississippi; and on the west by the Mississippi River and Crittenden County, Arkansas. Shelby County has a total land area of 772 square miles.

There are seven incorporated municipalities in the county: Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington. Memphis is the largest city and the county seat.

The Memphis Metropolitan Statistical Area consists of five counties: Shelby, Fayette, Tipton, DeSoto, and Crittenden.

B. Population

According to the U. S. Census Bureau, the population of Shelby County in 2000 was 897,472.

C. Solid Waste Board

The Shelby County Municipal Solid Waste Regional Board was created in 1992 by resolution of the Shelby County Board of Commissioners. (See Appendix A for a copy of the Solid Waste Board's formation resolution.) There are 13 board members. The City of Memphis has five representatives on the board, Shelby County Government has two, with the six smaller suburban municipalities having one representative each. (See Appendix B, Table B-A, for a listing of the members of the board.)

D. Solid Waste Board Chairman

(See Appendix B, Table B-B, for information pertaining to the chairman of the Solid Waste Board.)

E. Formation of Part 9 Solid Waste Authority

The Shelby County Region has not formed a Part 9 Solid Waste Authority.

F. Contacts for Solid Waste Information

(See Table 2-A for information pertaining to contacts for solid waste information in the region.)

G. Activities of the Solid Waste Board

1. Meeting Schedule

The Solid Waste Board has no periodically scheduled meetings. Rather, the board meets as needed, approximately four times a year. The board usually holds its meetings at Agricenter International at 7777 Walnut Grove Road in Memphis.

2. Involvement with Local Planning Groups

The Solid Waste Board coordinates its planning activities with the Memphis and Shelby County Division of Planning and Development, the joint city-county agency responsible for developing plans for Memphis and Shelby County. Solid waste plans are prepared for the board by DPD's Environmental Planning Section under the Department of Regional Services and are reviewed by the division's director.

3. Public Involvement

All meetings of the Solid Waste Board are open to the public. Meeting notices are distributed to the city halls of the seven municipalities and to the Shelby County Administration Building for posting prior to the meetings. Notices for special public meetings and public hearings held by the Solid Waste Board are placed in *The Commercial Appeal*, Memphis's largest daily newspaper.

4. Solid Waste Plans and Annual Progress Reports

The *Shelby County Municipal Solid Waste Regional Plan* was submitted to the State on June 30, 1994. The plan was approved by the State of Tennessee Department of Environment and Conservation on May 9, 1995.

This Five-Year Update is the first revision of the 1995 plan.

Each March, the Solid Waste Board submits an annual progress report on the previous year's solid waste activities to TDEC.

5. Permit Review

The Solid Waste Board typically reviews several permit applications for solid waste facilities and programs in Shelby County each year to determine if they comply with Shelby County's solid waste plan. The reviews normally are scheduled to precede board meetings.

H. Region's Rationale for Formation

Shelby County elected to form its own solid waste region principally due to its singular urban nature among southwestern Tennessee counties. Because of its urban characteristics, Shelby County's solid waste needs and concerns are considerably different from those of neighboring Fayette and Tipton counties. In a typical year, Shelby County disposes more than 20 times the amount of solid waste disposed of in Tipton and Fayette counties combined.

I. Door-to-Door Collection Services

Door-to-door collection services are available to one hundred percent of all single-family homes in the county. (See Table 2-B for detailed descriptions of these services.)

J. Development Patterns in the Region

1. Urbanized Areas

Much of Shelby County is urbanized, particularly the central and west-central portions of the county within the limits of the City of Memphis. Suburban development patterns predominate in the eastern and southeastern sections of the county in and around the municipalities of Bartlett, Germantown, and Collierville.

2. Rural Areas

Northern and northeastern areas of the county generally retain small-town and rural characteristics. These areas include the incorporated cities of Millington, Lakeland, and Arlington.

3. Major Employment Centers

Memphis is the county's principal employment center. Governmental and judicial functions are centered in Downtown Memphis. A large medical center lies just to the east of Downtown. A major warehousing and distribution center is in the southern portion of Memphis in the vicinity of Memphis International Airport. Industrial operations are located throughout the greater Memphis area although they tend to be concentrated in the western, southern, and northern sections of the city. Major office developments predominate in Downtown Memphis and East Memphis.

The suburban communities are principally residential and commercial in nature although there are major office uses in Bartlett, Germantown, and Collierville. Several large industrial operations are located in Bartlett, Collierville, and Millington and in unincorporated Shelby County north of Memphis.

K. Fees for Solid Waste Services

(See Table 2-C for information on solid waste fees for local municipalities.)

L. Costs and Revenues of Solid Waste Programs

Costs for solid waste programs in Shelby County exceeded \$50 million for Fiscal Year 2000. Solid waste costs for the City of Memphis for 2000 represented approximately 85 percent of the total solid waste costs for the region.

Revenues for solid waste programs in Shelby County are generated primarily from solid waste fees assessed local residents and businesses and transfers-in from general fund tax dollars. Other revenue sources for some municipalities include income from the sale of recyclables and grants from the State of Tennessee. (See Appendix C, Table C-A, for a summary of cost and revenue figures for solid waste programs in Shelby County. Individual cost and revenue reports for Arlington, Bartlett, Collierville, Germantown, Lakeland, and Memphis follow Table C-A.)

M. Satisfaction with Current Cost/Revenue Systems

All municipalities report that revenues generated by monthly solid waste fees and supplemented by general fund tax dollars are sufficient to cover the costs of their solid waste programs.

N. Compliance with Uniform Financial Accounting Methods

All municipalities in Shelby County and Shelby County Government comply with uniform financial accounting methods.

O. Ten-Year Solid Waste Budgets

It is anticipated that Shelby County municipalities will spend in excess of \$60 million per year for solid waste programs by 2010. (See Appendix D, Table D-A, for a summary of projected ten-year solid waste budgets in the region.)

P. Contacts for Information on Solid Waste Budgets

(See Table 2-D for contacts for budget information for Shelby County municipalities and Shelby County Government.)

TABLE 2-A

CONTACTS FOR SOLID WASTE INFORMATION

- 1. PAUL PATTERSON, CHAIRMAN
SHELBY COUNTY MUNICIPAL SOLID WASTE REGIONAL BOARD
125 NORTH MAIN STREET, ROOM 628
MEMPHIS, TENNESSEE 38103
901-576-6851**
- 2. ANDY ASHFORD, SECRETARY
SHELBY COUNTY MUNICIPAL SOLID WASTE REGIONAL BOARD
125 NORTH MAIN STREET, ROOM 628
MEMPHIS, TENNESSEE 38103
901-576-6868**
- 3. JEFF REECE, PRINCIPAL PLANNER
MEMPHIS AND SHELBY COUNTY DIVISION OF PLANNING AND DEVELOPMENT
DEPARTMENT OF REGIONAL SERVICES
ENVIRONMENTAL PLANNING SECTION
1075 MULLINS STATION ROAD
MEMPHIS, TENNESSEE 38134
901-379-7861**

TABLE 2-B
DOOR-TO-DOOR COLLECTION SERVICES

JURISDICTION	OPERATED BY	2000 POPULATION
ARLINGTON	WASTE MANAGEMENT	2,569
BARTLETT	MUNICIPALITY	40,543
COLLIERVILLE	MUNICIPALITY	31,872
GERMANTOWN	BROWNING-FERRIS INDUSTRIES	37,348
LAKELAND	BROWNING-FERRIS INDUSTRIES	6,862
MEMPHIS	MUNICIPALITY	650,100
MILLINGTON	MUNICIPALITY	10,433
UNINCORPORATED SHELBY COUNTY	VARIOUS PRIVATE HAULERS	117,745
SHELBY COUNTY TOTAL		----- 897,472

SOURCE: POPULATION FIGURES FROM U.S. CENSUS BUREAU, 2000

TABLE 2-C
MUNICIPAL FEES FOR SOLID WASTE SERVICES

MUNICIPALITY/ TYPE OF FEE	INSTITUTED BY	WHEN INSTITUTED	AMOUNT OF FEE	HOW COLLECTED	HOW OFTEN COLLECTED
ARLINGTON SANITATION FEE	MUNICIPALITY	1996	\$ 7.95	UTILITY BILL	MONTHLY
BARTLETT SANITATION FEE	MUNICIPALITY	19--	\$15.00	UTILITY BILL	MONTHLY
COLLIERVILLE SANITATION FEE	MUNICIPALITY	2000	\$15.00	UTILITY BILL	MONTHLY
GERMANTOWN SOLID WASTE FEE	MUNICIPALITY	19--	\$21.75	WATER BILL	MONTHLY
LAKELAND SANITATION FEE	MUNICIPALITY	2000	\$10.50	UTILITY BILL	MONTHLY
MEMPHIS SOLID WASTE FEE	MUNICIPALITY	1998	\$ 7.50	UTILITY BILL	MONTHLY
MILLINGTON SANITATION FEE	MUNICIPALITY	1994	\$10.00	WATER BILL	MONTHLY

TABLE 2-D
CONTACTS FOR INFORMATION ON SOLID WASTE BUDGETS

JURISDICTION	CONTACT	TITLE	TELEPHONE
ARLINGTON	CATHY DURANT	RECORDER	901-867-2620
BARTLETT	TOBY ATKISON	DIRECTOR, PUBLIC WORKS AND UTILITIES	901-385-5570
COLLIERVILLE	WILBUR BETTY	DIRECTOR, PUBLIC WORKS	901-853-3215
GERMANTOWN	TRACY SMITHERMAN	RISK MANAGER	901-757-7221
LAKELAND	NORMAN KING	CITY RECORDER	901-867-2717
MEMPHIS	PAUL PATTERSON	ADMINISTRATOR, SOLID WASTE ADMINISTRATION	901-576-6851
MILLINGTON	RODNEY STANBACK	SANITATION SUPERVISOR	901-873-5650
SHELBY COUNTY	FRANCIS "BUBBA" WINKLER	ADMINISTRATIVE ASSISTANT, ENVIRONMENTAL IMPROVEMENT COMMISSION	901-387-5707

SOURCE: *SHELBY COUNTY SOLID WASTE PLANNING REGION SOLID WASTE NEEDS ASSESSMENT, 1998 UPDATE*

Chapter 3: Waste Stream

A. Waste Stream Report for 2000

1. Tons of Municipal Solid Waste Generated and Disposed

In 2000, Shelby County generated 1,113,144 tons of solid waste that was disposed of in Class I landfills. (See Table 3-A for more detailed information.)

2. Waste Generated by Economic Sector

(See Table 3-B for estimates of waste generated by economic sector.)

3. Waste Generated by Source

(See Table 3-C for estimates of waste generated by source.)

4. Tons Reduced or Diverted

In 2000, Shelby County reduced or diverted an estimated 592,778 tons of solid waste. (See Table 3-D for more information.)

5. Total Generated Waste Stream

The total generated waste stream for Shelby County in 2000 was estimated at 1,705,922 tons of solid waste. This figure represents the tons of municipal solid waste generated and disposed of in Class I landfills (1,113,144 tons) plus the estimated tons of waste reduced or diverted (592,778 tons.)

6. Waste Stream Flow

(See Figure 1-B for a diagram depicting the region's waste stream flow.)

7. Recent Demographic Trends Affecting Waste Generation and Disposal

The population of Shelby County increased by 8.6 percent from 1990 to 2000.

The local economy has been very strong in the late 1990s. From 1996 to 1999, investments in new or expanding industries in Shelby County averaged \$1.55 billion per year. From 1996 to 1999, jobs in Memphis and Shelby County increased at an average rate of 13,600 per year.

With the fast pace of development in Memphis and Shelby County comes the generation of additional municipal solid waste. Demands on landfills will continue to grow.

8. Economic Profile
 - a. Major Employers
(See Table 3-E for a list of major employers in Shelby County.)
 - b. Unemployment Rate
According to the State of Tennessee Department of Labor and Workforce Development, the unemployment rate for Shelby County in December 2000 was 3.7 percent. The state average for December was 4.3 percent; the national average was 4.0 percent.
 - c. Economic Factors Affecting the Waste Stream and Waste Reduction Efforts
Shelby County will continue to show substantial population growth in the foreseeable future. Business and industry also will continue to grow thus increasing the amount of waste in the region's waste stream.
9. Major Contributors to the Overall Waste Stream
(See Table 3-F for a list of major contributors to the region's overall waste stream.)
10. Clean-Up and Litter Prevention Programs
(See Table 3-G for information on clean-up and litter programs in the region.)
11. Reduction and Diversion Programs
 - a. Recent Successes
All municipalities in Shelby County and Shelby County Government sponsor solid waste reduction and diversion programs. Highlights from 2000 activities include:
 - Arlington diverted 210 tons of yard debris from landfills through its mulching program.
 - Bartlett recycled 733 tons of solid waste from its drop-off recycling centers and curbside collection program.
 - Collierville recycled 1,119 tons of waste in its town-wide, curbside recycling program.
 - Germantown's participation rate in its recycling program in 2000 exceeded 80 percent resulting in the diversion of 2,200 tons of waste from Class I landfills.
 - Lakeland diverted 390 Christmas trees from landfills in its Christmas tree recycling program.

- Memphis diverted 121,089 tons of waste from landfills in 2000, an increase of 1,290 tons over the 1999 total.
- Millington recycled 1.5 tons of used oil at its drop-off site located at the City's Public Works Facility.
- Shelby County's litter and solid waste crews collected 4,376 tons of waste in 2000 compared to 1,493 tons in 1999. A special cleanup of illegal dumpsites in May and June accounted for 2,326 tons alone.

(See Appendix E for individual reports on 2000 reduction and diversion activities in Shelby County municipalities and Shelby County Government.)

b. Funding/Revenues

Each jurisdiction funds its own reduction and diversion activities. Some jurisdictions operate their own programs while others contract for these services with their solid waste collection companies. Several jurisdictions supplement local funding with grants from the State of Tennessee.

In 1999, Memphis reported approximately \$102,000 in revenue from the sale of mulch and compost. Collierville reported approximately \$30,000 in revenue from the sale of aluminum cans.

c. Ten-Year Trends

All local jurisdictions plan to continue their reduction and diversion activities and anticipate even greater success in the next ten years.

d. Proposed Programs

The SCEIC plans to establish several drop-off collection sites for recyclables in unincorporated Shelby County in 2001.

e. Education Programs and Opportunities

Shelby County jurisdictions cooperate with a variety of local organizations providing solid waste education. (See Chapter 8 for detailed information on these organizations.)

f. Commercial and Industrial Sector Response and Participation

In the past, reduction and diversion programs in Shelby County have focused on the general public, students, and government workers. The City of Memphis plans to begin addressing commercial and industrial sector needs in 2001 through its ongoing Recycle Memphis program.

g. Cooperation Among Jurisdictions

The Shelby County Municipal Solid Waste Board provides a valuable forum for the exchange of ideas and opportunities regarding local reduction and diversion programs.

B. Effects of Economic Growth Adjustment Formula on the Region

According to TDEC, Shelby County's 1999/1995 base year percentage reduction figure (using the economic ratio formula) was 30 percent. TDEC's application of this formula appears to benefit Shelby County. The Solid Waste Board believes the use of this formula represents a fair indication of the region's progress in meeting its reduction goal.

C. Base-Year Change

1. 1989 Base-Year Figures

According to TDEC, Shelby County's per capita waste generation figure in 1989 was 1.6500 tons. This figure was based on (1) the generation of 1,362,405 tons of solid waste in 1989 with (2) an estimated population of 825,700.

2. 1995 Base-Year Figures

According to TDEC, Shelby County's per capita waste generation figure in 1995 was 1.2718 tons. This figure was based on (1) the generation of 1,076,750 tons of solid waste in 1995 with (2) an estimated population of 846,584.

3. Effects of Base-Year Change

Using 1995 rather than 1989 as the base year, it will be more difficult for Shelby County to meet the State's 25 percent reduction and diversion goal since any future year's generation totals will be based on a lower per capita generation figure (1.2718 in 1995 versus 1.6500 in 1989.) This appears to penalize Shelby County for its efforts to reduce the amount of waste generated per capita in the region from 1989 through 1995.

4. Documentation of Base-Year Adjustments

The board believes the region's 1994 and 1995 annual progress reports filed with TDEC sufficiently document the progress the region made in its reduction and diversion activities from 1989 to 1995.

5. Designation of Base Years

The board suggests that, in the future, TDEC consider designating U. S. Census years—2000, 2010, 2020, etc.—as base years for determining per capita waste generation figures (assuming no anomalies in waste generation figures for those particular years.) The board believes using county population figures based on verified counts in a census year would be a more accurate method of determining per capita generation rates rather than relying on population estimates/projections made nine years into the future (as in 1989) or five years into the future (as in 1995.)

TABLE 3-B

ESTIMATES OF WASTE GENERATED BY ECONOMIC SECTOR, 2000

ECONOMIC SECTOR	ESTIMATED PERCENTAGE
RESIDENTIAL	.37
COMMERCIAL	.27
INDUSTRIAL	.29
INSTITUTIONAL	.01
OTHER (INCLUDING SPECIAL)	.06

TOTAL	1.00

**SOURCE: *SHELBY COUNTY SOLID WASTE PLANNING REGION SOLID WASTE NEEDS
ASSESSMENT, 1998 UPDATE***

TABLE 3-C
ESTIMATES OF WASTE GENERATED BY SOURCE, 2000

SOURCE	ESTIMATED PERCENTAGE
YARD WASTE	.15
CONSTRUCTION/DEMOLITION WASTE	.10
TIRES	.01
RECYCLABLES	.05
WHITE GOODS	.01
REGULAR MUNICIPAL SOLID WASTE	.68

TOTAL	1.00

TABLE 3-D

ESTIMATES OF WASTE REDUCED OR DIVERTED, 2000

REDUCTION/ DIVERSION METHOD	ESTIMATED TONS	ESTIMATED PERCENTAGE OF TOTAL GENERATED WASTE STREAM (1,705,922 TONS)
SOURCE REDUCTION	11,623	*
RECYCLING	123,830	.07
COMPOSTING/MULCHING	295,865	.17
DIVERSION		
CLASS III /IV LANDFILLS	156,455	---
AIR CURTAIN DESTRUCTOR	5,005	---
TOTAL	161,460	.09
UNMANAGED WASTES (BACKYARD BURNING, DUMPS, DITCHES, ETC.)	5,000	*
TOTAL	597,778	.35**

* LESS THAN .01 OF TOTAL.

** TOTAL INCLUDES FRACTIONS OF ONE PERCENT FROM SOURCE REDUCTION AND UNMANAGED WASTES CATEGORIES.

NOTE: SEE FIGURE 1-B FOR A GRAPHIC DEPICTION OF THESE FIGURES.

SOURCE: SHELBY COUNTY MUNICIPAL SOLID WASTE PLANNING REGION ANNUAL PROGRESS REPORT, 2000

TABLE 3-E
LARGEST EMPLOYERS IN SHELBY COUNTY

COMPANY/AGENCY	NUMBER OF LOCAL EMPLOYEES
FEDERAL EXPRESS CORPORATION	29,500
U. S. GOVERNMENT	14,860
MEMPHIS CITY SCHOOLS	14,000
METHODIST HEALTHCARE	9,228
SHELBY COUNTY GOVERNMENT	6,636
MEMPHIS CITY GOVERNMENT	6,414
BAPTIST MEMORIAL HOSPITALS	5,162
AUTOZONE, INC.	4,934
SHELBY COUNTY BOARD OF EDUCATION	4,872
KROGER-DELTA MARKETING AREA	4,700
NAVAL SUPPORT ACTIVITY -- MID-SOUTH	4,308
UNIVERSITY OF TENNESSEE AT MEMPHIS	4,250
CENTURY MANAGEMENT	4,000
TENNESSEE STATE GOVERNMENT	3,890
INTERNAL REVENUE SERVICE	3,800
WAL-MART STORES, INC.	3,450
FIRST TENNESSEE BANK	3,162
NORTHWEST AIRLINES	2,900
MEMPHIS LIGHT, GAS, AND WATER	2,615
THE UNIVERSITY OF MEMPHIS	2,456

SOURCE: MEMPHIS AREA CHAMBER OF COMMERCE

TABLE 3-F

LARGEST CONTRIBUTORS TO THE REGION'S WASTE STREAM, 2000

CONTRIBUTOR	CONTACT	TELEPHONE	WASTE TYPES DISPOSED	TONS OF WASTE DISPOSED
CITY OF MEMPHIS	ANDY ASHFORD	901-576-6868	MIXED RESIDENTIAL	274,953
CITY OF BARTLETT	TOBY ADKISON	901-385-5570	MIXED RESIDENTIAL	21,816
CITY OF MILLINGTON	JACK HUFFMAN	901-873-5650	MIXED RESIDENTIAL	16,058
CITY OF GERMANTOWN	SAM BEACH	901-757-7352	MIXED RESIDENTIAL	13,320
TOWN OF COLLIERVILLE	WILBUR BETTY	901-853-3215	MIXED RESIDENTIAL	11,883

SOURCES: *SHELBY COUNTY MUNICIPAL SOLID WASTE PLANNING REGION ANNUAL PROGRESS REPORT, 2000*

TABLE 3-G
CLEAN-UP AND LITTER PROGRAMS

JURISDICTION	DESCRIPTION OF PROGRAM	SOURCE OF LABOR	PROGRAM CONTACT	PROGRAM CONTACT'S TELEPHONE
ARLINGTON	LITTER COLLECTION, GRASS CUTTING	PUBLIC WORKS EMPLOYEES, INMATES	JAYNE HOLDEN	901-867-2600
BARTLETT	STREET SWEEPING, LITTER COLLECTION, GRASS CUTTING	GROUNDS MAINTENANCE EMPLOYEES, INMATES	-----	901-385-5570
COLLIERVILLE	LITTER COLLECTION	STREET DEPARTMENT EMPLOYEES, INMATES	BOBBY KENNEDY	901-853-3215
GERMANTOWN	LITTER COLLECTION, STREET SWEEPING	PARKS AND RECREATION EMPLOYEES	PAUL BURLESON	901-757-7394
LAKELAND	LITTER COLLECTION	PUBLIC WORKS EMPLOYEES, INMATES	DARREN SANDERS	901-867-2717
MEMPHIS	LITTER COLLECTION, STREET SWEEPING	GENERAL SERVICES EMPLOYEES	DARRELL ELDRED	901-576-6321
MILLINGTON	LITTER COLLECTION, GRASS CUTTING, STREET SWEEPING	STREETS DEPARTMENT EMPLOYEES	RODNEY STANBACK	901-873-5650
SHELBY COUNTY	LITTER COLLECTION, ADOPT-A-ROAD PROGRAM	ROADS AND BRIDGES EMPLOYEES, INMATES, VOLUNTEER GROUPS	FRANCIS "BUBBA" WINKLER	901-387-5707

SOURCE: SHELBY COUNTY SOLID WASTE PLANNING REGION SOLID WASTE NEEDS ASSESSMENT, 1998 UPDATE

Chapter 4: Collection and Transportation

A. Collection Services

1. Services in Local Jurisdictions

(See Table 4-A for information on collection services in local jurisdictions.)

2. Private Haulers

(See Table 4-B for information on private haulers operating in Shelby County.)

B. Collection Assurance Mandate

Each municipal government in Shelby County provides solid waste collection as a municipal service for residents or contracts with a professional waste collection company. One hundred percent of all single-family households in the seven municipalities in Shelby County receive curbside collection services.

Shelby County Government does not provide waste collection services for residents of unincorporated Shelby County. However, the County maintains waste collection agreements with several local waste haulers to provide these services. It is estimated that approximately 59 percent of all single-family households in unincorporated Shelby County contract with one of the local waste haulers. Residents of the remaining 41 percent either (1) contract with one of a number of small hauling companies that are unknown or do not report to the Solid Waste Board, or (2) dispose of their solid waste themselves.

However, one hundred percent of all single-family households in Shelby County **have access** to professional collection services since the major haulers in the county have agreed to provide collection services to any single-family household in unincorporated Shelby County willing to pay for the services. It is estimated that 95 percent of the total number of single-family households in Shelby County (in both incorporated and unincorporated areas) receive professional waste collection services.

Each municipality in Shelby County requires that owners of multifamily dwellings or communities contract with private companies for collection services. In some cases, this is done as part of a municipal contract. In other instances, owners of multifamily dwellings or communities contract with private haulers individually.

In addition to multifamily dwellings and communities, local private haulers serve businesses and institutions throughout Shelby County.

C. Collection Needs

It is believed that all solid waste collection needs in the region are being met.

D. Future Trends

As growth continues, particularly in unincorporated Shelby County, it is imperative that private haulers respond to the increase in demand for their services.

TABLE 4-A
COLLECTION SERVICES IN LOCAL JURISDICTIONS

JURISDICTION	TYPE OF SERVICE	AVAILABLE TO	PAID FOR BY	DESCRIPTION
ARLINGTON (1)	DOOR-TO-DOOR	ALL RESIDENTS	LOCAL GOVERNMENT/ RESIDENTS THROUGH FEES	WEEKLY COLLECTION
BARTLETT	DOOR-TO-DOOR	ALL RESIDENTS	LOCAL GOVERNMENT/ RESIDENTS THROUGH FEES	WEEKLY COLLECTION
COLLIERVILLE	DOOR-TO-DOOR	ALL RESIDENTS	LOCAL GOVERNMENT/ RESIDENTS THROUGH FEES	WEEKLY COLLECTION
GERMANTOWN (2)	DOOR-TO-DOOR	ALL RESIDENTS	LOCAL GOVERNMENT/ RESIDENTS THROUGH FEES	WEEKLY COLLECTION
LAKELAND (2)	DOOR-TO-DOOR	ALL RESIDENTS	LOCAL GOVERNMENT/ RESIDENTS THROUGH FEES	WEEKLY COLLECTION
MEMPHIS	DOOR-TO-DOOR	ALL RESIDENTS	LOCAL GOVERNMENT/ RESIDENTS THROUGH FEES	WEEKLY COLLECTION
MILLINGTON	DOOR-TO-DOOR	ALL RESIDENTS	LOCAL GOVERNMENT/ RESIDENTS THROUGH FEES	TWICE WEEKLY COLLECTION
UNINCORPORATED SHELBY COUNTY (3)	DOOR-TO-DOOR	ALL RESIDENTS	INDIVIDUAL HOUSEHOLDS	WEEKLY COLLECTION

- (1) COLLECTION SERVICES IN ARLINGTON ARE OPERATED BY WASTE MANAGEMENT.
(2) COLLECTION SERVICES IN GERMANTOWN AND LAKELAND ARE OPERATED BY BROWNING-FERRIS INDUSTRIES.
(3) RESIDENTS OF UNINCORPORATED SHELBY COUNTY ARE SERVED BY VARIOUS PRIVATE COLLECTION SERVICES.
SEE TABLE 4-B FOR A LIST OF PRIVATE HAULERS IN THE REGION.

TABLE 4-B
PRIVATE SOLID WASTE COLLECTION SERVICES

COLLECTION SERVICE	TYPE OF SERVICE	TELEPHONE
BARKER BROTHERS	COMMERCIAL	901-885-5528
BROWNING-FERRIS INDUSTRIES	COMMERCIAL, RESIDENTIAL	901-794-3800
BUILDERS CHOICE	COMMERCIAL	1-800-699-2696
CRITCHFIELD DEMOLITION AND DUMPSTER	COMMERCIAL	901-272-9116
COSMAN WASTE SERVICES	COMMERCIAL	901-452-9191
ECO SERVICES	COMMERCIAL, RESIDENTIAL	901-521-8020
INDUSTRIAL WASTE SERVICES	COMMERCIAL	901-458-0925
JACK MACLIN'S SANITATION SERVICE	RESIDENTIAL	901-872-1016
MARK DUNNING INDUSTRIES	COMMERCIAL	901-876-6159
MEMPHIS RECYCLING CENTER, INC.	COMMERCIAL	901-948-2726
MEMPHIS WASTE AND DISPOSAL	COMMERCIAL	901-380-7939
MILITARY WASTE MANAGEMENT	COMMERCIAL, RESIDENTIAL	1-800-352-3464
SOUTHERN DISPOSAL	COMMERCIAL, RESIDENTIAL	601-781-0223
WASTE MANAGEMENT	COMMERCIAL, RESIDENTIAL	901-362-8950
W. B. CONSTRUCTION	COMMERCIAL	901-867-3721
WOOD RECYCLERS, INC.	COMMERCIAL	601-429-7720

Chapter 5: Recycling

A. Recycling Coordinators

There is no single recycling coordinator for the region. Instead, each jurisdiction has its own recycling coordinator. (See Table 5-A for a list of local recycling coordinators.)

B. Public Recycling Programs

1. Town of Arlington Recycling Program.
Description: See Appendix E.
Sponsorship: Town of Arlington.
Public/Private Program: Public.
For-Profit/Not-for-Profit Program: Not-for-profit.
Availability: Arlington residents.
Collection of Materials: Curbside pickup and drop-off center.
Items Accepted: Newspapers, plastics, glass, aluminum cans, yard waste.
Program Contact: Jayne Holden.
Address: 5854 Airline Road, Arlington, Tennessee 38002.
Telephone: 901-867-2620.
2. City of Bartlett Recycling Program.
Description: See Appendix E.
Sponsorship: City of Bartlett.
Public/Private Program: Public.
For-Profit/Not-for-Profit Program: Not-for-profit.
Availability: Residents of Bartlett.
Collection of Materials: Curbside pickup and two drop-off centers.
Items Accepted: Plastics #1 and #2; aluminum cans; corrugated cardboard; brown paper bags; clear, brown, and green glass; newspapers; telephone books; yard waste.
Program Contact: Jerry Hall.
Address: 3585 Altruria Road, Bartlett, Tennessee 38135.
Telephone: 901-385-5570.
3. Town of Collierville Recycling Program.
Description: See Appendix E.
Sponsorship: Town of Collierville.
Public/Private Program: Public.
For-Profit/Not-for-Profit Program: Not-for-profit.
Availability: Residents of Collierville.
Collection of Materials: Curbside pickup.
Items Accepted: Newspapers, tin and aluminum cans, plastic drink bottles, yard waste.
Program Contact: Wayne Coburn.
Address: 167 Washington Street, Collierville, Tennessee 38107.
Telephone: 901-853-3215.
4. City of Germantown Recycling Program.
Description: See Appendix E.
Sponsorship: City of Germantown.
Public/Private Program: Public.

For-Profit/Not-for-Profit Program: Not-for-profit.
Availability: Residents of Germantown.
Collection of Materials: Curbside pickup.
Items Accepted: Aluminum and steel cans, glass bottles, plastics #1 and #2, newspapers and inserts, yard waste.
Program Contact: Kent Howell.
Address: 7700 Southern Avenue, Germantown, Tennessee 38138.
Telephone: 901-751-7691.

5. City of Lakeland Recycling Program.
Description: See Appendix E.
Sponsorship: City of Lakeland.
Public/Private Program: Public.
For-Profit/Not-for-Profit Program: Not-for-profit.
Availability: Residents of Lakeland.
Collection of Materials: Curbside pickup.
Items Accepted: Newspapers, aluminum and steel cans, glass, plastics #1 and #2, yard waste.
Program Contact: Darren Sanders.
Address: 10001 Highway 70, Lakeland, Tennessee 38002.
Telephone: 901-867-2717.
6. Recycle Memphis.
Description: See Appendix E.
Sponsorship: City of Memphis.
Public/Private Program: Public.
For-Profit/Not-for-Profit Program: Not-for-profit.
Availability: Residents of Memphis.
Collection of Materials: Curbside pickup.
Items Accepted: Newspapers, telephone books, aerosol cans, aluminum and steel cans, glass bottles, plastics #1 and #2, appliances, yard waste, city waste carts.
Program Contact: Andy Ashford.
Address: 125 North Main Street, Room 628, Memphis, Tennessee 38103.
Telephone: 901-576-6868.
7. City of Millington Recycling Program.
Description: See Appendix E.
Sponsorship: City of Millington.
Public/Private Program: Public.
For-Profit/Not-for-Profit Program: Not-for-profit.
Availability: Residents of Millington.
Collection of Materials: Three drop-off sites and other recycling bins.
Items Accepted: Newspapers, magazines, aluminum, tin, plastics, cardboard.
Program Contact: Rodney Stanback.
Address: 4701 Biloxi Street, Millington, Tennessee 38053.
Telephone: 901-873-5650.
8. Shelby County Environmental Improvement Commission.
Description: See Appendix E.
Sponsorship: Shelby County Government.
Public/Private Program: Public.
For-Profit/Not-for-Profit Program: Not-for-profit.
Availability: Residents of Shelby County.

Collection of Materials: Recycling bins in county buildings and county schools.
Items Accepted: Mixed office paper, corrugated cardboard, telephone books, yard waste, scrap metals, Christmas trees.
Program Contact: Francis "Bubba" Winkler.
Address: 1075 Mullins Station Road, Memphis, Tennessee 38134.
Telephone: 901-387-5707.

C. Private Recyclers

(See Table 5-B for a list of private recyclers in Shelby County.)

D. Materials Processing Facilities

Name of Facility: FCR Tennessee, Inc.
Description of Facility/Process: One manually sorted line for papers and one manual/mechanical line for co-mingled glass, plastics, and metal cans.
Types of Materials Processed: Corrugated containers, newspapers, magazines, telephone books, mixed papers, glass, plastics #1 and #2, and steel and aluminum cans.
Owner: FCR Tennessee, Inc.
Contact: Ahard Williams.
Address: 3197 Farrisview Boulevard, Memphis, Tennessee 38118.
Telephone: 901-795-6886.
Population Served: Shelby County and beyond.
Approximate Volume Processed Annually: 15,788 tons.

E. Composting Facilities

Name of Facility: City of Memphis EARTH Complex Composting Facility.
Description of Facility/Process: Tub grinder, trommel screens, and scarab to turn windrows on concrete pad.
Materials Accepted: Organic yard waste.
Owner: City of Memphis.
Contact: Andy Ashford.
Address: 125 North Main Street, Room 628, Memphis, Tennessee 38103.
Telephone: 901-576-6868.
Population Served: Memphis.
Approximate Volume Composted Annually: 59,500 tons.

(The EARTH Complex is the only true composting facility in the county. However, there are a number of private mulching operations including Charles Cox Corporation; J & B Company; Jones Mulch; Memphis Recycling Center; and Nature's Earth Products; as well as municipally operated programs in each city and town.)

F. Status of Recycling Programs

1. Recent Progress

Each of the municipalities in Shelby County sponsors a recycling program. Some operate their own recycling programs while others use recycling services offered by their contracted waste collection companies. Some private collection services in unincorporated Shelby County offer recycling services to their clients for a fee.

Shelby County has numerous public and private recycling programs that accept a wide variety of recyclables, such as aluminum cans; scrap metals; laser printer and copier toner cartridges; newspapers; corrugated cardboard; plastics #1 and #2; clear, green and brown glass; paper bags; foam padding; wooden pallets; rags; scrap paper; steel; as well as other items.

2. Problems and Setbacks

Several private recycling companies in Memphis have closed, changed ownership, or reduced services recently thus affecting recycling opportunities in the region. Also, several haulers in unincorporated Shelby County that previously offered recycling services to their customers have either reduced or stopped offering these services.

Another problem facing recycling is market fluctuations of prices paid for recyclables. When market prices drop, it costs more for municipalities and private haulers to operate their programs. A related problem is the lack of end-users and/or processors of recyclables.

Frequent contamination of collected recyclables is also a problem.

3. Marketing Efforts

a. Principal End-Users

Local recyclables are shipped to end-users throughout the nation.

b. Successes and Failures

Several successful promotional events for recycling activities are held by local jurisdictions and solid waste education organizations each year.

The City of Memphis raised more than \$600,000 in public and private funds and in-kind services to promote recycling. However, despite these marketing efforts, many Memphis residents have been slow to accept recycling as an essential part of the City's solid waste management program.

c. Cooperation Among Jurisdictions

Bartlett, Collierville, Germantown, Lakeland, and Memphis contract with FCR to process their recyclables.

d. Assistance Needed

Assistance is needed in finding more dependable markets for items currently being recycled and new markets for items not currently being recycled.

e. Future Plans

It is anticipated that other recyclables will be collected locally if markets can be developed and collection is feasible.

The SCEIC has plans to develop recycling drop-off sites in unincorporated Shelby County in 2001.

The City of Memphis's contract with FCR expires in 2004. No decision has been made concerning the status of the FCR facility after 2004.

G. Recycling Drop-Off Collection Sites

(See Table 5-C for a list of public and private drop-off sites.)

TABLE 5-A
RECYCLING COORDINATORS

JURISDICTION	NAME	TITLE	EMPLOYER	ADDRESS/ TELEPHONE
ARLINGTON	JAYNE HOLDEN	-----	TOWN OF ARLINGTON	5854 AIRLINE RD P. O. BOX 507 ARLINGTON, TN 38002 901-387-5707
BARTLETT	JERRY HALL	RECYCLING COORDINATOR	CITY OF BARTLETT	3585 ALTRURIA RD BARTLETT, TN 38135 901-385-5570
COLLIERVILLE	WAYNE COBURN	SANITATION SUPERVISOR	TOWN OF COLLIERVILLE	167 WASHINGTON ST COLLIERVILLE, TN 38017 901-853-3215
GERMANTOWN	KENT HOWELL	SOLID WASTE COORDINATOR	CITY OF GERMANTOWN	7700 SOUTHERN AVE GERMANTOWN, TN 38138 901-751-7691
LAKELAND	DARREN SANDERS	-----	CITY OF LAKELAND	10001 HIGHWAY 70 LAKELAND, TN 38002 901-867-2717
MEMPHIS	ANDY ASHFORD	RECYCLING ADMINISTRATOR	CITY OF MEMPHIS	125 NORTH MAIN ST ROOM 628 MEMPHIS, TN 38103 901-576-6868
MILLINGTON	RODNEY STANBACK	SANITATION SUPERVISOR	CITY OF MILLINGTON	4701 BILOXI ST MILLINGTON, TN 38053 901-873-5650
SHELBY COUNTY	FRANCIS "BUBBA" WINKLER	ADMINISTRATIVE ASSISTANT	SHELBY COUNTY ENVIRONMENTAL IMPROVEMENT COMMISSION	1075 MULLINS STATION RD MEMPHIS, TN 38134 901-387-5707

SOURCE: *SHELBY COUNTY SOLID WASTE PLANNING REGION SOLID WASTE NEEDS ASSESSMENT, 1998 UPDATE*

TABLE 5-B
PRIVATE RECYCLERS

JURISDICTION	RECYCLER	ADDRESS	ITEMS COLLECTED
MEMPHIS	ACE RECYCLING	2250 S THIRD ST	ALUMINUM CANS, SCRAP METAL
	AIRWAYS IRON AND METAL CO.	2103 E PERSON AVE	ALUMINUM CANS, SCRAP METAL
	ALUMINUM CAN RECYCLING	4662 LAMAR AVE	ALUMINUM CANS
	AMERICAN LASER RECYCLING, INC.	1444 GILLHAM DR	LASER PRINTER AND COPIER TONER CARTRIDGES
	BOXES, BOXES, BOXES	157 S PARKWAY E	CORRUGATED CARDBOARD BOXES, FIBER DRUMS
	C & R ENTERPRISES	5341 DUNNELLON	LASER PRINTER AND COPIER TONER CARTRIDGES
	COMPULASER, INC.	1497 BARTLETT RD	LASER PRINTER, COPIER, AND FAX CARTRIDGES
	DELTA MATERIALS HANDLING, INC.	4676 CLARKE RD	USED SHELVING, PALLET RACKS
	DIXIE RECYCLING CENTER	2747 JACKSON AVE	ALUMINUM CANS, CARDBOARD, OFFICE RECYCLABLES, NEWSPAPERS
	FCR TENNESSEE, INC.	3197 FARRISVIEW BLVD	CORRUGATED CARDBOARD; MIXED PAPER; NEWSPAPERS; CLEAR, BROWN, AND GREEN GLASS; PLASTICS #1 AND #2; TELEPHONE BOOKS; ALUMINUM CANS; STEEL CANS
	ISKIWITZ METAL CO.	604 MARBLE AVE	ALUMINUM CANS, ALUMINUM SCRAP, NONFERROUS METALS, STAINLESS STEEL, BATTERIES, COPPER, BRASS
	J & J SCRAP METAL	235 S PARKWAY E	COPPER, BRASS, ALUMINUM
	JEFFERSON SMURFIT CORP.	1131 AGNES PL	ALUMINUM CANS, PAPER SCRAP
	KARCHMER & SON, INC.	1337 RIVERSIDE DR	ALUMINUM SCRAP, COPPER, BRASS, NONFERROUS METALS
	LAZAROV BROTHERS INC.	1167 N SEVENTH ST	ALUMINUM CANS, NONFERROUS SCRAP METALS
	MAIL'N MORE	2121 SYCAMORE VIEW RD	PLASTIC PACKAGING MATERIALS

TABLE 5-B (CONTINUED)

JURISDICTION	RECYCLER	ADDRESS	ITEMS COLLECTED
MEMPHIS (CONTINUED)	MEMPHIS RECYCLING CENTER	735 E H CRUMP BLVD	ALUMINUM, BRASS, COPPER
	MEMPHIS RECYCLING CENTER, INC.	188 E INDUSTRIAL AVE	CARDBOARD, WOOD MATERIALS, ORGANIC MATERIALS
	MEMPHIS WASTE PAPER INC.	704 S DUDLEY ST	SCRAP PAPER, NEWSPRINT
	MOGY & SON CO.	2530 SHASTA	ALUMINUM CANS, SCRAP METAL
	MONSARRAT PALLET CO.	1018 N HOLLYWOOD ST	PALLETS
	PC APPLICATIONS CONSULTANTS, INC.	759 CEDAR BRAKE	LASER PRINTER AND COPIER TONER CARTRIDGES
	PAD WAREHOUSE	2640 FAXON AVE	USED FOAM, CARPET PADDING, FURNITURE FOAM
	PALLET EXPRESS, INC.	1309 KANSAS ST	PALLETS
	PALLET FACTORY	821 VANCE AVE	WOODEN PALLETS
	PAYNE AUTO PARTS	1301 N HOLLYWOOD ST	USED ENGINES, TRANSMISSIONS, SCRAP ALUMINUM
	PERLCO LLC	540 WEAKLEY AVE	FERROUS AND NON-FERROUS SCRAP METAL
	PERLCO SHREDDER	490 WEAKLEY AVE	TIN, LIGHT IRON, APPLIANCES, CARS
	RECYCLING AMERICA	6363 POPLAR AVE	COMPUTER RIBBONS, LASER TONER CARTRIDGES
	RECYCLON	1312 LOUISIANA	BUFFING PADS
	RECYCLATONE	2725 S MENDENHALL RD	LASER PRINTER TONER CARTRIDGES, COPY MACHINES, FAX MACHINES
	SOUTHERN TIN COMPRESS CORP, INC.	1270 N SEVENTH ST	ALUMINUM CANS, SCRAP METAL
	WEYERHAEUSER RECYCLING	234 TITAN DR	ALUMINUM CANS
	WEYERHAEUSER RECYCLING	243 SATURN	SCRAP PAPER, CARDBOARD
MILLINGTON	MID-SOUTH METAL RECYCLING	6612 HWY 51 N	ALUMINUM CANS, NONFERROUS METALS

SOURCES: "LOCAL RECYCLING," THE COMMERCIAL APPEAL; AND TENNESSEE RECYCLING REPORT FOR 1999

TABLE 5-C

RECYCLING DROP-OFF COLLECTION SITES *

JURISDICTION	SITE	ADDRESS	ITEMS COLLECTED	DESCRIPTION
ARLINGTON	COMMUNITY RECYCLING BIN	5854 AIRLINE RD	NEWSPAPERS, PLASTICS, GLASS, ALUMINUM CANS	OWNED AND OPERATED BY TOWN OF ARLINGTON
BARTLETT	BARTLETT RECYCLES I	2842 BARTLETT BLVD	PLASTICS #1 AND #2; ALUMINUM CANS; CORRUGATED CARDBOARD; BROWN PAPER BAGS; CLEAR, BROWN, AND GREEN GLASS; NEWSPAPERS	OWNED AND OPERATED BY CITY OF BARTLETT
	BARTLETT RECYCLES II	6600 STAGE RD	PLASTICS #1 AND #2; ALUMINUM CANS; CORRUGATED CARDBOARD; BROWN PAPER BAGS; CLEAR, BROWN, AND GREEN GLASS; NEWSPAPERS	OWNED AND OPERATED BY CITY OF BARTLETT
MEMPHIS	KROGER STORE	2860 FRAYSER BLVD	ALUMINUM CANS	PRIVATE
	PIGGLY WIGGLY STORE	888 S WHITE STATION RD	ALUMINUM CANS	PRIVATE
	PIGGLY WIGGLY STORE	5898 HWY 70	ALUMINUM CANS	PRIVATE
	SUPERVALUE STORE	1779 PRESCOTT RD	ALUMINUM CANS	PRIVATE
MILLINGTON	BFI NORTH SHELBY LANDFILL CONVENIENCE CENTER	7111 OLD MILLINGTON RD	ALUMINUM CANS	PRIVATE
	MOST STORE	4802 NAVY RD	ALUMINUM CANS	PRIVATE

* THESE SITES ARE IN ADDITION TO THE DROP-OFF LOCATIONS OPERATED BY THE PRIVATE RECYCLERS LISTED IN TABLE 5-B.

SOURCE: "LOCAL RECYCLING," THE COMMERCIAL APPEAL

Chapter 6: Disposal

A. Existing Disposal Facilities

1. Landfills

- a. Name: BFI North Shelby Landfill.
Owner: Browning-Ferris Industries.
Operator/Contact: Jimmy Fleming.
Address: 7111 Old Millington Road, Millington, Tennessee 38053.
Telephone: 901-872-7200.
Classification: Class I (Subtitle D.)
Jurisdictions Served: Shelby County and beyond.
Permit Number: SNL 79-000-0224.
Tipping Fee Per Ton: \$25.60.
Special Tipping Fees: Varies.
Materials Received: Municipal, industrial, demolition, and special wastes (asbestos.)
Production of Energy: No.
Transfers: No.
- b. Name: BFI South Shelby Landfill.
Owner: Browning-Ferris Industries.
Operator/Contact: Jimmy Fleming.
Address: 5494 Malone Road, Memphis, Tennessee 38118.
Telephone: 901-794-8070.
Classification: Class I (Subtitle D.)
Jurisdictions Served: Shelby County and beyond.
Permit Number: SNL 79-000-0135.
Tipping Fee Per Ton: \$25.60.
Special Tipping Fees: Varies.
Materials Received: Municipal, industrial, demolition, and special wastes (asbestos.)
Production of Energy: No.
Transfers: No.
- c. Name: Chandler Wrecking Company Landfill.
Owner: Chandler Wrecking Company.
Operator/Contact: Rick Chandler.
Address: 1223 North Watkins Street, Memphis, Tennessee 38108.
Telephone: 901-276-5459.
Classification: Class III/IV.
Jurisdictions Served: Shelby County and beyond.
Permit Number: DML 79-106-0074.
Tipping Fee Per Ton: Not applicable (used only by Chandler Wrecking Company.)
Special Tipping Fees: Not applicable.
Materials Received: Construction and demolition wastes.
Production of Energy: No.
Transfers: No.

d. Name: Frank Road Landfill.
Owner: Blaylock and Brown Construction, Inc.
Operator/Contact: Norman Brown III.
Address: 10636 Shelton Road, Collierville, Tennessee 38017.
Telephone: 901-853-0953.
Classification: Class III/IV.
Jurisdictions Served: Shelby County and beyond.
Permit Number: DML 79-000-0050.
Tipping Fee Per Ton: \$17.00.
Special Tipping Fees: No.
Materials Received: Construction and demolition wastes, trees.
Production of Energy: No.
Transfers: No.

e. Name: Klinke Road Landfill.
Owner: Jimmy T. Wood.
Operator/Contact: Marvin Frick.
Address: 382 Klinke Road, Memphis, Tennessee 38127.
Telephone: 901-358-9544.
Classification: Class III/IV.
Jurisdictions Served: Shelby County.
Permit Number: DML 79-000-0077.
Tipping Fee Per Ton: \$18.00.
Special Tipping Fees: Negotiated in contract.
Materials Received: Construction and demolition wastes, trees.
Production of Energy: No.
Transfers: No.

2. Transfer Stations

a. Name: Bartlett Transfer Station.
Owner: City of Bartlett.
Contact: Toby Adkison.
Address: 6224 Old Brownsville Road, Bartlett, Tennessee 38135.
Telephone: 901-385-5570.
Classification: Not applicable.
Jurisdictions Served: Bartlett.
Permit Number: Not applicable.
Tipping Fee Per Ton: Not applicable.
Special Tipping Fees: Not applicable.
Materials Received: Mixed residential wastes.
Production of Energy: No.
Transfers: Yes.

b. Name: Bellevue Boulevard Transfer Station.
Owner: City of Memphis.
Contact: Paul Patterson.
Address: 1514 North Bellevue Boulevard, Memphis, Tennessee 38106.
Telephone: 901-576-6851.
Classification: Not applicable.
Jurisdictions Served: Memphis.
Permit Number: Not applicable.
Tipping Fee Per Ton: Not applicable.

Special Tipping Fees: Not applicable.
Materials Received: Mixed residential wastes.
Production of Energy: No.
Transfers: Yes.

- c. Name: Collierville Transfer Station.
Owner: Town of Collierville.
Contact: Wilbur Betty.
Address: 450 East South Street, Collierville, Tennessee 38017.
Telephone: 901-853-3215.
Classification: Not applicable.
Jurisdictions Served: Collierville.
Permit Number: Not applicable.
Tipping Fee Per Ton: Not applicable.
Special Tipping Fees: Not applicable.
Materials Received: Mixed residential wastes.
Production of Energy: No.
Transfers: Yes.
- d. Name: Farrisview Boulevard Transfer Station.
Owner: City of Memphis.
Contact: Paul Patterson.
Address: 3207 Farrisview Boulevard, Memphis, Tennessee 38118.
Telephone: 901-576-6851.
Classification: Not applicable.
Jurisdictions Served: Memphis.
Permit Number: Not applicable.
Tipping Fee Per Ton: Not applicable.
Special Tipping Fees: Not applicable.
Materials Received: Mixed residential waste.
Production of Energy: No.
Transfers: Yes.
- e. Name: Scott Street Transfer Station.
Owner: City of Memphis.
Contact: Paul Patterson.
Address: 289 Scott Street, Memphis, Tennessee 38112.
Telephone: 901-576-6851.
Classification: Not applicable.
Jurisdictions Served: Memphis.
Permit Number: Not applicable.
Tipping Fee Per Ton: Not applicable.
Special Tipping Fees: Not applicable.
Materials Received: Mixed residential wastes.
Production of Energy: No.
Transfers: Yes.
- f. Name: Southern Disposal Transfer Station.
Owner: Southern Disposal.
Contact: Chuck Carr.
Address: 621 East Brooks Road, Memphis, Tennessee 38116.
Telephone: 901-398-5400.
Classification: Not applicable.

Jurisdictions Served: Serves Southern Disposal only.
Permit Number: Not applicable.
Tipping Fee Per Ton: Not applicable.
Special Tipping Fees: Not applicable.
Materials Received: Mixed residential wastes.
Production of Energy: No.
Transfers: Yes.

- g. Name: Waste Management Transfer Station.
Owner: Waste Management.
Operator/Contact: Wally Briscoe.
Address: 3750 Hatcher Circle, Memphis, Tennessee 38118.
Telephone: 901-362-8950.
Classification: Not applicable.
Jurisdictions Served: Serves Waste Management only.
Permit Number: Not applicable.
Tipping Fee Per Ton: Not applicable.
Special Tipping Fees: Not applicable.
Materials Received: Mixed residential wastes.
Production of Energy: No.
Transfers: Yes.

3. Municipal Solid Waste Incinerators

There are no municipal solid waste incinerators in the region. However, there is one medical waste incinerator at 540 Rivergate Road in Memphis, owned by Stericycle.

Also, there is one air curtain destructor and one pit burner operating in the region.

4. Landfill Gas-to-Energy Facilities

There are no landfill gas-to-energy facilities in the region.

5. Waste-to-Energy Facilities

The Allen Fossil Fuel Plant, owned by the Tennessee Valley Authority, operates a waste-to-energy program using chipped waste tires to produce a fuel additive at its facility at 2574 Steam Plant Road in Southwest Memphis.

B. Proposed Disposal Facilities

The permitted EARTH Complex Landfill is a Class I (Subtitle D) landfill owned by the City of Memphis. It is currently not in operation. There are no plans to open the landfill in the foreseeable future.

C. Class I Waste Exported From/Imported Into the Region

1. Exported Waste

In 2000, Shelby County exported 159,425 tons of solid waste from the county for disposal elsewhere. This waste was transported by private haulers to landfills in Mississippi and Arkansas.

2. Imported Waste

In 2000, 315,490 tons of municipal solid waste were imported into Shelby County from outside the region. (See Table 6-A for more information.)

D. Disposal Needs

1. Efficient Disposal Versus Reasonable Prices

On average, disposal costs in the region are at or below national figures.

2. Contemplated Changes

There are no major changes contemplated within the next ten years.

3. Anticipated Growth and Future Disposal Demands

It is anticipated that Shelby County's population will continue to increase in the future. The University of Tennessee Center for Business and Economic Research projects that Shelby County's population will grow to 914,527 by 2005 and 943,806 by 2010. Too, an increase in the number of businesses in the county is expected, particularly in the retail, services, and transportation sectors. These increases will undoubtedly place additional demands on local landfills to meet the disposal needs of the county.

E. Capacities of Disposal Facilities

Both BFI landfills recently were approved by the State of Tennessee for expansions to their facilities. With the expansions, the BFI South Shelby Landfill has approximately 15 years of disposal capacity remaining. The BFI North Shelby Landfill has approximately 40 years of disposal capacity remaining.

F. Financial Activities Enterprise Fund for Publicly Held Class I Landfills

Neither of the Class I landfills in Shelby County is publicly held.

TABLE 6-A

SOLID WASTE IMPORTED INTO SHELBY COUNTY, 2000

COMPANY/ FACILITY NAME	IMPORTED FROM COUNTY/REGION/STATE	ESTIMATED TONS OF IMPORTED WASTE
BFI HAULING COMPANY	NOT AVAILABLE	141,392
BFI NORTH SHELBY LANDFILL	NOT AVAILABLE	30,604
BFI SOUTH SHELBY LANDFILL	NOT AVAILABLE	134,305
BUILDERS CHOICE	NOT AVAILABLE	100
COSMAN WASTE SERVICES	NOT AVAILABLE	450
CRITCHFIELD DEMOLITION AND DUMPSTER	NOT AVAILABLE	37
ECO SERVICES	NOT AVAILABLE	6,560
WASTE MANAGEMENT HAULING COMPANY	NOT AVAILABLE	1,895
W. B. CONSTRUCTION	NOT AVAILABLE	147
TOTAL		315,490

SOURCE: *SHELBY COUNTY MUNICIPAL SOLID WASTE PLANNING REGION ANNUAL PROGRESS REPORT, 2000*

Chapter 7: Problem Wastes

A. Household Hazardous Wastes

1. State-Sponsored Household Hazardous Waste Mobile Collection Service

Shelby County has used the State of Tennessee's household hazardous waste collection program since 1996 to serve residents of the region. Generally, two collection events are held each year.

The primary collection site is located at the Shelby Showplace Arena at 105 South Germantown Road in the Cordova section of Memphis near the geographic center of Shelby County. Other collection sites have been at the Mid-South Fairgrounds in Midtown Memphis, Halle Stadium in East Memphis, and the Naval Support Activity—Mid-South base in Millington.

Neither Shelby County Government nor any of the municipalities in Shelby County operate permanent household waste collection centers.

2. Success/Satisfaction with the Mobile Collection Service

The mobile collection service collected 61 tons of household hazardous waste in 2000. The region views the mobile collection service as a success and is satisfied with the program.

3. Recommended Changes

It is recommended that the program continue to operate as it has.

4. Plans for Local Household Hazardous Waste Collection Programs

The region will continue to make use of the State's household hazardous waste collection program. Neither Shelby County Government nor any of the municipalities in Shelby County plan to develop permanent household hazardous waste collection facilities.

B. Waste Tires

1. Regional Collection Program

a. Tire Shredding Facility

Tire dealers in Memphis and Shelby County contract with haulers to transport waste tires to the City of Memphis's tire shredding facility at 1530 Levee Road in North Memphis. Several municipalities also collect used tires on an as-needed basis. These also are taken to the tire shredding facility.

b. Disposal of Shredded Tires

After the tires are shredded, they are landfilled.

c. Satisfaction with Local Program

The region views the tire collection program as a success and is satisfied with the program.

d. Satisfaction with State-Sponsored Waste Tire Program

The City of Memphis contracts with the State of Tennessee to operate the region's waste tire program. This arrangement has worked satisfactorily.

e. Recommended Changes

There are no changes recommended for the program.

2. Waste Tire Waste-to-Energy Program

The Allen Fossil Fuel Plant, owned by TVA, operates a waste-to-energy program using chipped waste tires to produce a fuel additive at its facility at 2574 Steam Plant Road in Southwest Memphis.

3. Waste Tire Dumping

Despite the two waste tire programs, there continues to be a problem of waste tire dumping in the region. Most of the dumps are within the City of Memphis or in unincorporated Shelby County. However, it is believed that the local program has reduced dumping considerably.

C. Waste Oil and Auto Fluids

(See Table 7-A for a list of local oil and auto fluid collection sites.)

D. Lead-Acid Batteries

Each business that sells batteries is required to accept used batteries from customers upon purchase of new batteries. There are more than 100 businesses in Memphis and Shelby County that sell batteries.

TABLE 7-A
LOCAL OIL AND AUTO FLUID COLLECTION SITES

JURISDICTION	COLLECTION SITE	ADDRESS
BARTLETT	AUTO ZONE	6770 STAGE RD
	WAL-MART TIRE AND LUBE EXPRESS	6140 MACON RD
COLLIERVILLE	AUTO ZONE	995 POPLAR AVE
	TRACTOR SUPPLY CO.	179 HWY 72 E
	WAL-MART TIRE AND LUBE EXPRESS	560 W POPLAR AVE
GERMANTOWN	AUTO ZONE	7699 W FARMINGTON
	GERMANTOWN PUBLIC SERVICE COMPLEX	7700 SOUTHERN AVE
	WAL-MART TIRE AND LUBE EXPRESS	1280 S GERMANTOWN RD
LAKELAND	LAKELAND CITY HALL	10001 HWY 70
MEMPHIS	ADVANCE AUTO PARTS	1427 AIRWAYS BLVD
	ADVANCE AUTO PARTS	3223 AUSTIN PEAY HWY
	ADVANCE AUTO PARTS	213 CLEVELAND ST
	ADVANCE AUTO PARTS	4619 ELVIS PRESLEY BLVD
	ADVANCE AUTO PARTS	6645 E SHELBY DR
	ADVANCE AUTO PARTS	1520 GETWELL RD
	ADVANCE AUTO PARTS	3311 JACKSON AVE
	ADVANCE AUTO PARTS	4660 KNIGHT ARNOLD RD
	AUTO ZONE	2900 COVINGTON PK
	AUTO ZONE	1510 ELVIS PRESLEY BLVD
	AUTO ZONE	1211 E RAINES RD
	AUTO ZONE	2076 FRAYSER BLVD
	AUTO ZONE	1363 GETWELL RD
	AUTO ZONE	2449 JACKSON AVE
	AUTO ZONE	4011 JACKSON AVE
	AUTO ZONE	4701 KNIGHT ARNOLD RD
	AUTO ZONE	2323 LAMAR AVE
	AUTO ZONE	385 N CLEVELAND ST
	AUTO ZONE	1592 N GERMANTOWN RD
	AUTO ZONE	4205 RIVERDALE
	AUTO ZONE	1850 S THIRD ST
	AUTO ZONE	4124 S THIRD ST
	AUTO ZONE	3171 SUMMER AVE
	AUTO ZONE	4394 SUMMER AVE
	AUTO ZONE	3343 WINCHESTER RD
	AUTO ZONE	5945 WINCHESTER RD
	BRYANT TIRE AND APPLIANCE	3220 AUSTIN PEAY HWY
	CORDOVA AUTOMOTIVE	7970 PATRIOT DR
	GOODYEAR TIRE AND RUBBER	1622 E SHELBY DR
	GOODYEAR TIRE AND RUBBER	3084 S PERKINS RD
	GOODYEAR TIRE AND RUBBER	1200 UNION AVE
	VALVOLINE INSTANT OIL CHANGE	3206 AUSTIN PEAY HWY
	VALVOLINE INSTANT OIL CHANGE	5996 MT MORIAH RD
	VALVOLINE INSTANT OIL CHANGE	5171 POPLAR AVE
	VALVOLINE INSTANT OIL CHANGE	4213 SUMMER AVE
	VALVOLINE INSTANT OIL CHANGE	2046 UNION AVE
VALVOLINE INSTANT OIL CHANGE	6845 WINCHESTER RD	
WAL-MART TIRE AND LUBE EXPRESS	5000 AMERICAN WAY	
WAL-MART TIRE AND LUBE EXPRESS	3950 AUSTIN PEAY HWY	
WAL-MART TIRE AND LUBE EXPRESS	6990 SHELBY DR	
WESTWOOD AUTO PARTS	4471 S THIRD ST	
MILLINGTON	ADVANCE AUTO PARTS	7855 HIGHWAY 51 N
	AUTO ZONE	4837 NAVY RD
	GOODYEAR TIRE AND RUBBER	7991 HIGHWAY 51 N
	MILLINGTON CITY HALL	4701 BILOXI STREET
	WAL-MART TIRE AND LUBE EXPRESS	8445 HIGHWAY 51 N

SOURCE: CITY OF MEMPHIS RECYCLING OFFICE

Chapter 8: Solid Waste Education

- A. Persons/Organizations Educating the Public
1. Name/Organization: Germantown Environmental Commission.
Sponsor: City of Germantown.
Description of Activities: Education programs for general public and elementary school students. Publishes the tri-annual *Germantown Environmental Reporter* newsletter.
Address: 7700 Southern Avenue, Germantown, Tennessee 38138.
Telephone: 901-757-7350.
Targeted Participants: General public, students, senior citizens.
 2. Name/Organization: Memphis City Beautiful Commission.
Sponsor: City of Memphis.
Description of Activities: Educates the public about beautification and environmental improvement activities.
Address: 664 Adams Avenue, Memphis, Tennessee 38105.
Telephone: 901-522-1135.
Targeted Participants: General public.
 3. Name/Organization: Memphis City Schools.
Sponsor: Memphis Board of Education.
Description of Activities: Classroom programs, environmental clubs, science fair, school recycling programs.
Address: 2597 Avery Avenue, Memphis, Tennessee 38112.
Telephone: 901-325-5300.
Targeted Participants: Kindergarten through Grade 5 students.
 4. Name/Organization: Recycle Memphis.
Sponsor: City of Memphis.
Description of Activities: Sponsors television and radio commercials, billboards, bus and trolley stop ads, newspaper articles and ads, and flyers promoting recycling; developed environmental curriculum/workbook, *The Learning Bin*, for Memphis City Schools; works with Friends of Recycle Memphis, a citizens' organization promoting recycling.
Address: 125 North Main Street, Room 628, Memphis, Tennessee 38103.
Telephone: 901-576-6868.
Targeted Participants: General public, students, government employees.
 5. Name/Organization: Shelby County Environmental Improvement Commission.
Sponsor: Shelby County Government.
Description of Activities: Sponsors the *Classroom Programs* series for elementary schools, Shelby County Schools recycling program, Student Environmental Club, elementary schools science fair, *SCEIC News* newsletter, and the *Environmental Directory for Memphis and Shelby County*; promotes environmental activities at various shows and events.

Address: 1075 Mullins Station Road, Memphis, Tennessee 38134.
Telephone: 901-387-5707.
Targeted Participants: General public, students, government employees.

6. Name/Organization: Shelby County Schools.
Sponsor: Shelby County Board of Education.
Description of Activities: Classroom programs, environmental clubs, science fair, school recycling programs.
Address: 160 South Hollywood Street, Memphis, Tennessee 38122.
Telephone: 901-325-7900.
Targeted Participants: Kindergarten through Grade 5 students.

7. Name/Organization: Keep Tennessee Beautiful.
Sponsor: State of Tennessee Department of Transportation.
Description of Activities: Statewide resource agency dedicated to providing training, guidance, program development, and support services to Tennessee communities on issues related to litter prevention, beautification, and solid waste education. Publishes *Keep Tennessee Beautiful Today* newsletter.
Address: The University of Memphis, South Campus, 976 West Park Loop, Memphis, Tennessee 38152.
Telephone: 901-678-4101.
Targeted participants: General public.

B. Education Needs

Solid waste education needs for students and the general public are being adequately met by the organizations listed above. However, education programs specifically targeted to businesses and industries in Shelby County need to be expanded as part of Shelby County's overall education initiative.

Recycle Memphis is considering printing educational brochures in Spanish to serve the local Hispanic population.

C. Recent Progress

School programs sponsored by the City of Memphis and Shelby County Government are an integral part of the school systems' environmental education programs. Both programs have received awards for their work.

D. Planned Activities

All education organizations plan to continue with their programs.

E. Assistance Requested

No assistance is requested at this time.

F. Education Action Plans

The region's solid waste education plan was presented in the *Shelby County Municipal Solid Waste Regional Plan* and approved by TDEC in 1995. The provisions of the solid waste education plan remain in effect.

The City of Memphis will continue to support the education programs of its local recycling office, the Memphis City Schools, and the Memphis City Beautiful Commission.

Schools in the suburban municipalities and in unincorporated Shelby County are under the jurisdiction of the Shelby County Board of Education. Students in the county schools will continue to receive solid waste education through the programs of the Shelby County Schools and through the Germantown Environmental Commission in Germantown. The Shelby County Environmental Improvement Commission will continue to provide education services for students and the general public as well.

G. Pathways to Education Curriculum

Local solid waste education programs are familiar with but do not use the Pathways to Education curriculum. Rather, they have developed their own curricula designed specifically to meet the needs of local residents.

Chapter 9: Flow Control and Permit Review

A. Waste Flow Control

The Solid Waste Board has not attempted to control the flow of waste into or out of the region. Likewise, none of the jurisdictions within the region has attempted to control the flow of waste.

B. Permit Review

The Solid Waste Board reviews proposed facilities and programs in the region to determine whether they comply with the region's Solid Waste Plan. The board has no set review schedule but convenes as needed.

C. Outstanding Issues

The Solid Waste Board sees no outstanding issues regarding the flow control or permit review processes.

Chapter 10: Five-Year Update Review

A. Preparation of the Update Report

The *Five-Year Update of the Shelby County Municipal Solid Waste Regional Plan* was prepared in 2000 by the Environmental Planning Section of the Memphis and Shelby County Division of Planning and Development under the direction of the Shelby County Municipal Solid Waste Regional Board.

B. Public Meeting/Public Hearing

The Five-Year Update was presented at a public meeting/public hearing on January 25, 2001, at Agricenter International at 7777 Walnut Grove Road in Memphis. Prior to the presentation, copies of the draft report of the update were made available for public review at the Main Branch of the Memphis and Shelby County Public Library and Information Center and in the offices of the City of Memphis Division of Public Works in the Memphis City Hall.

Notice of the public meeting/public hearing was placed in the December 22, 2000, issue of Memphis's largest daily newspaper, *The Commercial Appeal*. (See Table F-A for a copy of the notice.) Notices also were posted in the city halls of Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington; and in the Shelby County Administration Building.

Fifteen people attended the public meeting/public hearing. (See Appendix F, Table F-B, for a list of attendees. A summary of comments received is found in Table F-C.)

The Solid Waste Board unanimously approved the update at its board meeting immediately following the public meeting/public hearing.

C. Review of Five-Year Update by Local Planning Commission

The update was reviewed and approved by the director of DPD. (See Appendix G for a copy of the division director's letter of approval.)

D. County Resolution Approving the Five-Year Update

The Shelby County Board of Commissioners reviewed the Five-Year Update and approved the document at its meeting on April 23, 2001. (See Appendix H for a copy of the commission's resolution approving the update.)

E. Submission of the Five-Year Update

The update was submitted to TDEC on May 23, 2001.

APPENDIX A

**FORMATION RESOLUTION OF THE
SHELBY COUNTY MUNICIPAL SOLID WASTE REGION**

Item # 25

Commissioner Sisson

Prepared by Ray Allen

Approved by Ray Allen

County Attorney

A RESOLUTION CREATING SHELBY COUNTY'S MUNICIPAL
SOLID WASTE PLANNING REGION AND ESTABLISHING A
MUNICIPAL SOLID WASTE REGION BOARD TO ADMINISTER
THE ACTIVITIES OF THIS REGION

WHEREAS, The adoption of the Subtitle D landfill regulations by the United States Environmental Protection Agency and companion regulations adopted by the Tennessee Solid Waste Control Board will impact on both the cost and method of disposal of municipal solid waste; and

WHEREAS, At the urging and support of a coalition of local government, environmental, commercial, and industrial leaders, the 97th Tennessee General Assembly enacted T.C.A. 68-211-801 et seq. titled "Solid Waste Management Act of 1991"; and

WHEREAS, With the view that better planning for solid waste will help control the additional costs that will be imposed by the new landfill regulations, help protect the environment, provide an improved 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 work for the passage of this Act; and

WHEREAS, One of the stated public policies of this Act is to institute and maintain a comprehensive, integrated, statewide program for solid waste management; and

WHEREAS, As per T.C.A. 68-211-811, 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, Shelby County's Board of County Commissioners has given consideration to the needs assessment prepared by the Memphis Area Association of Governments 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; and

WHEREAS, The State of Tennessee will provide grant monies of varying amounts to single county, two county, and three or more county municipal solid waste regions to assist these regions in developing their municipal solid waste region plans; and

WHEREAS, The primary and prevailing purpose of the municipal solid waste regions are the preparation of municipal solid waste region plans which among other requirements must identify how each region will reduce its solid waste disposal per capita by twenty five per cent (25%) by December 31, 1995; and a planned capacity assurance of its disposal 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 solid waste is in the best interest of the citizens of Shelby County.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF SHELBY COUNTY, TENNESSEE, Acting pursuant to T.C.A. 68-211-801 et seq., that there is hereby established a Municipal Solid Waste Region for and by Shelby County, Tennessee; and

BE IT FURTHER RESOLVED, That pursuant to T.C.A. 68-211-813 (a)(2), that the Board of County Commissioners of Shelby County, Tennessee finds and determines that Shelby County shall be and shall constitute a single county municipal solid waste region due to the following: This one county planning region is identified and recommended in the District Solid Waste Needs Assessment prepared by the Memphis Area Association of Governments; and

BE IT FURTHER RESOLVED, That pursuant to T.C.A. 68-211-813(b)(1), a Municipal Solid Waste Region Board is hereby established to administer the activities of this Region; and

BE IT FURTHER RESOLVED, That this Municipal Solid Waste Region Board shall be comprised of thirteen members; and

BE IT FURTHER RESOLVED, That pursuant to T.C.A. 68-211-813(b)(1) the two Shelby County Board members shall be appointed by the County Mayor and approved by the Shelby County Board of County Commissioners and, due to the fact that Arlington collects or provides disposal services through its own initiative or by contract, the Town of Arlington shall have a Board member appointed by the Mayor of Arlington and approved by the Board of Aldermen of Arlington, and due to the fact that Bartlett collects or provides disposal services through its own initiative or by contract, the City of Bartlett shall have a Board member appointed by the Mayor of Bartlett and approved by the Board of Aldermen of Bartlett, and due to the fact that Collierville collects or provides disposal services through its own initiative or by contract, the Town of Collierville shall have a Board member appointed by the Mayor of Collierville and approved by the Board of Aldermen of Collierville, and due to the fact that Germantown collects or provides disposal services through its own initiative or by contract, the City of Germantown shall have a Board member appointed by the Mayor of Germantown and approved by the Board of Aldermen of Germantown, and due to the fact that Lakeland collects or provides disposal services through its own initiative or by contract, the City of Lakeland shall have a Board member appointed by the Mayor of Lakeland and approved by the Board of Commissioners of Lakeland, and due to the fact that Memphis collects or provides disposal services through its own initiative or by contract, the City of Memphis shall have five Board members appointed by the Mayor of Memphis and approved by the City Council of Memphis, and due to the fact that Millington collects or provides disposal services through its own initiative or by contract, the City of Millington shall have a Board member appointed by the Mayor of Millington and approved by the Board of Aldermen of Millington; and

BE IT FURTHER RESOLVED, That members of the Board of the Municipal Solid Waste Region shall serve a six (6) year term except that one member appointed by the County Mayor shall have a four (4) year term, that one member appointed by the County Mayor shall have a six (6) year term, that one member appointed by the Mayors of Arlington, Germantown, Memphis, and Millington shall have two year terms, that one member appointed by the Mayors

of Bartlett, and Lakeland and two members appointed by the Mayor of Memphis shall have four year terms, that one member appointed by the Mayor of Collierville and two members appointed by the Mayor of Memphis shall have six year terms; and


BE IT FURTHER RESOLVED, That this Municipal Solid Waste Region Board shall have all the powers and duties granted by the T.C.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 Shelby 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 Shelby 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 organizational 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 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, Shelby County, Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington, and to apply for and receive donations and grants from private corporations and foundations; and

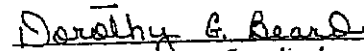
BE IT FURTHER RESOLVED, That Shelby County shall receive, disburse, and act as the fiscal agent for the administration of the funds of the Municipal Solid Waste Region and the Region's Board; and

BE IT FURTHER RESOLVED, That upon the passage of this Resolution and at no later date than December 31, 1992, the County Clerk of Shelby County shall transmit a copy of this Resolution to the Tennessee State Planning Office.


William N. Morris, Jr.
County Mayor

Date Dec 14, 1992

ATTEST:


Dorothy G. Beard
Clerk of County Commission

ADOPTED December 7, 1992

APPENDIX B

SHELBY COUNTY MUNICIPAL SOLID WASTE REGIONAL BOARD

TABLE B-A
MEMBERS OF THE
SHELBY COUNTY MUNICIPAL SOLID WASTE REGIONAL BOARD

THE SHELBY COUNTY MUNICIPAL SOLID WASTE REGIONAL BOARD CONSISTS OF 13 MEMBERS AS AUTHORIZED BY RESOLUTION OF THE SHELBY COUNTY BOARD OF COMMISSIONERS. FIVE MEMBERS REPRESENT THE CITY OF MEMPHIS, TWO MEMBERS REPRESENT SHELBY COUNTY GOVERNMENT, AND ONE MEMBER REPRESENTS EACH OF THE SIX SUBURBAN MUNICIPALITIES (ARLINGTON, BARTLETT, COLLIERVILLE, GERMANTOWN, LAKELAND, AND MILLINGTON.) OFFICERS OF THE BOARD ARE PAUL PATTERSON, CHAIRMAN; SAM BEACH, VICE-CHAIRMAN; AND ANDY ASHFORD, SECRETARY.

BOARD MEMBER	REPRESENTING	CURRENT TERM BEGAN	CURRENT TERM ENDS	APPOINTED BY	CONFIRMED BY	YEAR CONFIRMED
ROOSEVELT ALLEN	CITY OF MEMPHIS	MAY 1, 1999	MAY 1, 2005	MAYOR OF MEMPHIS	MEMPHIS CITY COUNCIL	1999
ANDY ASHFORD	CITY OF MEMPHIS	MAY 1, 1993	MAY 1, 2003	MAYOR OF MEMPHIS	MEMPHIS CITY COUNCIL	1993
TOBY W. ATKISON	CITY OF BARTLETT	MAY 1, 1997	MAY 1, 2003	MAYOR OF BARTLETT	BARTLETT BOARD OF ALDERMEN	1997
CLARD BAKER	SHELBY COUNTY GOVERNMENT	MAY 1, 1997	MAY 1, 2001	SHELBY COUNTY MAYOR	SHELBY COUNTY BOARD OF COMMISSIONERS	1997
SAM BEACH	CITY OF GERMANTOWN	MAY 1, 1993	MAY 1, 2001	MAYOR OF GERMANTOWN	GERMANTOWN BOARD OF ALDERMEN	1993
WILBUR BETTY	TOWN OF COLLIERVILLE	MAY 1, 1999	MAY 1, 2005	MAYOR OF COLLIERVILLE	COLLIERVILLE BOARD OF ALDERMEN	1999
JERRY COLLINS	CITY OF MEMPHIS	MAY 1, 1999	MAY 1, 2005	MAYOR OF MEMPHIS	MEMPHIS CITY COUNCIL	1999
KAREN BLANKS ELLIS	CITY OF MEMPHIS	MAY 1, 1993	MAY 1, 2003	MAYOR OF MEMPHIS	MEMPHIS CITY COUNCIL	1993
JACK HUFFMAN	CITY OF MILLINGTON	MAY 1, 1993	MAY 1, 2001	MAYOR OF MILLINGTON	MILLINGTON BOARD OF ALDERMEN	1993
JERRY OLDS	TOWN OF ARLINGTON	MAY 1, 2000	MAY 1, 2001	MAYOR OF ARLINGTON	ARLINGTON BOARD OF ALDERMEN	2000
PAUL PATTERSON	CITY OF MEMPHIS	MAY 1, 1997	MAY 1, 2003	MAYOR OF MEMPHIS	MEMPHIS CITY COUNCIL	1997
JERRY ROSS	SHELBY COUNTY GOVERNMENT	MAY 1, 1999	MAY 1, 2005	SHELBY COUNTY MAYOR	SHELBY COUNTY BOARD OF COMMISSIONERS	1999
DARREN J. SANDERS	CITY OF LAKELAND	MAY 1, 1998	MAY 1, 2004	MAYOR OF LAKELAND	LAKELAND BOARD OF COMMISSIONERS	1998

SOURCE: SHELBY COUNTY MUNICIPAL SOLID WASTE PLANNING REGION ANNUAL PROGRESS REPORT, 2000

TABLE B-B
CHAIRMAN OF THE
SHELBY COUNTY MUNICIPAL SOLID WASTE REGIONAL BOARD

NAME	JOB TITLE	ADDRESS	TELEPHONE
PAUL PATTERSON	ADMINISTRATOR, SOLID WASTE ADMINISTRATION, CITY OF MEMPHIS	125 NORTH MAIN STREET, ROOM 628, MEMPHIS, TENNESSEE 38103	901-576-6851

SOURCE: SHELBY COUNTY MUNICIPAL SOLID WASTE PLANNING REGION ANNUAL PROGRESS REPORT, 2000

APPENDIX C

**SUMMARY OF PROJECTED COST AND REVENUE FIGURES
FOR SOLID WASTE PROGRAMS IN SHELBY COUNTY**

TABLE C-A
SUMMARY OF PROJECTED
COST AND REVENUE FIGURES FOR SOLID WASTE PROGRAMS
IN SHELBY COUNTY FOR FISCAL YEAR 2000

JURISDICTION	FUNDING SOURCE	COSTS	REVENUES
ARLINGTON	SOLID WASTE/ SANITATION FUND	\$ 154,315	\$ 154,315
BARTLETT	SOLID WASTE FUND	\$ 2,420,078	\$ 2,431,743
COLLIERVILLE	SANITATION FUND	\$ 1,495,100	\$ 1,448,376
GERMANTOWN	SANITATION FUND	\$ 3,227,600	\$ 3,227,600
LAKELAND	WASTE COLLECTION AND DISPOSAL FUND	\$ 222,006 (1)	\$ 222,006 (1)
MEMPHIS	SOLID WASTE MANAGEMENT FUND	\$ 43,763,873	\$ 43,763,873
MILLINGTON	SANITATION FUND	\$ 406,495	\$ 425,724
SHELBY COUNTY	(2)	(2)	(2)
		-----	-----
TOTALS		\$ 51,689,467	\$ 51,673,637

- (1) LAKELAND'S ESTIMATE BASED ON JULY 2000 THROUGH OCTOBER 2000 FIGURES.
(2) SHELBY COUNTY GOVERNMENT HAS NO SOLID WASTE DEPARTMENT.

TOWN OF ARLINGTON

ACU1204 2000/05/16 08:00:21 TOWN OF ARLINGTON Revenue Estimates and Appropriation Requests

Submitted By Department

Account	Actual 1996-1997	Original Budget	Current Remain	Current Estimated	Calculated Total	Dept Request	Budget Comm/Commission
123 SOLID WASTE/SANITATION FUND							
33400	522	520	129	520	520		334
33470	481	315	324	315	315		300
36100							
36561		15,000		15,000	15,000	60,360	63,663
OTHER FINANCING SOURCES							
36561	481	60,360	54,575	54,575	60,360		
OPERATION REVENUE							
36561	481	128,665	108,504	108,504	128,665		154,315
TOTAL REVENUE & OTHER SOURCES	963	188,885	163,003	163,003	188,885		

Projected increase to revenue and expenses approx 5% per year due to
 increased population and 500 sq ft. addition
 [Signature]

TOWN OF ARLINGTON

2000/05/16 08105:21

Revenue Estimates And Appropriation Requests

Department

Submitted By

123 SOLID WASTE/SANITATION FUND

DESCRIPTION

1997-1998 Amended Budget/ Year

Estimated Fiscal Agent City

Year

Estimated Fiscal Agent City

City

Page: 19

Line	Description	1997-1998 Amended Budget/ Year	Estimated Fiscal Agent City
1	DESCRIPTION	-1-	-6-
2	REPAIR AND MAINTENANCE SERVICE	63,477	63,477
3		50,356	50,356
4		63,477	63,477
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Revenue Estimates And Appropriation Requests

Date Submitted By Department

125 SOLID WASTE/SANITATION FUND

Description	Year	Estimated	Fiscal Agent	City
	-1-	-2-	-3-	-4-
	1997-1998	Amended Budget/	Year	Estimated

PROFESSIONAL SERVICES	15,000	20,710	1,750	22,500	30,000
260	22,500				

OPERATING SUPPLIES	1,000	22,305	15,595	38,500	37,000
Total POSTCLOSURE CARE COSTS	1,343				

CITY OF BARTLETT

DESCRIPTION	ACCT CODE	FISCAL 2003 BUDGET		13750		14999		15008		15709		15800		16888		17300	
		FISCAL 2003	FISCAL 2004	FISCAL 2005	FISCAL 2006	FISCAL 2007	FISCAL 2008	FISCAL 2009	FISCAL 2010	FISCAL 2011	FISCAL 2012	FISCAL 2013	FISCAL 2014	FISCAL 2015	FISCAL 2016	FISCAL 2017	FISCAL 2018
REVENUES:																	
State Grants	3071	\$ 11,583	\$ 7,722	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000
Identity verification fee		\$ 15,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000
Sanitation Fee - Residential	3470	\$ 2,391,680	\$ 2,630,400	\$ 2,784,000	\$ 2,850,500	\$ 3,121,200	\$ 3,202,800	\$ 3,284,400	\$ 3,365,000	\$ 3,446,600	\$ 3,528,200	\$ 3,609,800	\$ 3,691,400	\$ 3,773,000	\$ 3,854,600	\$ 3,936,200	\$ 4,017,800
Sanitation Fee - Commercial	3471	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000
Recycling Fee	3472	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Special Sanitation Pickup	3476	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Charges for residential carts	3478	\$ 1,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
Interest	3610	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
Appliance Collection Fees	3633	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500
Total Revenues	3634	\$ 2,493,743	\$ 2,886,922	\$ 2,929,500	\$ 3,182,000	\$ 3,274,400	\$ 3,355,500	\$ 3,435,100	\$ 3,514,700	\$ 3,594,300	\$ 3,673,900	\$ 3,753,500	\$ 3,833,100	\$ 3,912,700	\$ 3,992,300	\$ 4,071,900	\$ 4,151,500
EXPENDITURES:																	
Personnel	100	\$ 1,174,870	\$ 1,201,534	\$ 1,227,198	\$ 1,252,862	\$ 1,278,526	\$ 1,304,190	\$ 1,329,854	\$ 1,355,518	\$ 1,381,182	\$ 1,406,846	\$ 1,432,510	\$ 1,458,174	\$ 1,483,838	\$ 1,509,502	\$ 1,535,166	\$ 1,560,830
Operations	200	\$ 897,060	\$ 1,006,325	\$ 1,022,174	\$ 1,038,023	\$ 1,053,872	\$ 1,069,721	\$ 1,085,570	\$ 1,101,419	\$ 1,117,268	\$ 1,133,117	\$ 1,148,966	\$ 1,164,815	\$ 1,180,664	\$ 1,196,513	\$ 1,212,362	\$ 1,228,211
Capital	500	\$ 246,400	\$ 391,400	\$ 581,400	\$ 771,400	\$ 961,400	\$ 1,151,400	\$ 1,341,400	\$ 1,531,400	\$ 1,721,400	\$ 1,911,400	\$ 2,101,400	\$ 2,291,400	\$ 2,481,400	\$ 2,671,400	\$ 2,861,400	\$ 3,051,400
Total Expenditures		\$ 2,418,330	\$ 2,599,259	\$ 2,830,772	\$ 3,062,285	\$ 3,293,796	\$ 3,525,309	\$ 3,756,822	\$ 3,988,335	\$ 4,219,848	\$ 4,451,361	\$ 4,682,874	\$ 4,914,387	\$ 5,145,900	\$ 5,377,413	\$ 5,608,926	\$ 5,840,439
Net from Operations		\$ 11,860	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283	\$ 17,283
Beginning Fund Balance	2710	\$ 50,652	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317	\$ 102,317
Ending Fund Balance	2710	\$ 102,317	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600	\$ 119,600
% increase from previous fiscal year			27%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%
% of existing fund balance in total expenditures			5%	4%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Solid Waste Fund																	
Detail of Expenditures:																	
Supervisor Salaries	211	\$ 43,428	\$ 43,845	\$ 44,262	\$ 44,679	\$ 45,096	\$ 45,513	\$ 45,930	\$ 46,347	\$ 46,764	\$ 47,181	\$ 47,598	\$ 48,015	\$ 48,432	\$ 48,849	\$ 49,266	\$ 49,683
Employee Wages	121	\$ 719,000	\$ 716,450	\$ 713,900	\$ 711,350	\$ 708,800	\$ 706,250	\$ 703,700	\$ 701,150	\$ 698,600	\$ 696,050	\$ 693,500	\$ 690,950	\$ 688,400	\$ 685,850	\$ 683,300	\$ 680,750
Group Insurance	140	\$ 3,893	\$ 4,924	\$ 5,955	\$ 6,986	\$ 8,017	\$ 9,048	\$ 10,079	\$ 11,110	\$ 12,141	\$ 13,172	\$ 14,203	\$ 15,234	\$ 16,265	\$ 17,296	\$ 18,327	\$ 19,358
Life Insurance	145	\$ 44,335	\$ 42,553	\$ 40,771	\$ 38,989	\$ 37,207	\$ 35,425	\$ 33,643	\$ 31,861	\$ 30,079	\$ 28,297	\$ 26,515	\$ 24,733	\$ 22,951	\$ 21,169	\$ 19,387	\$ 17,605
Workers' Compensation	151	\$ 83,300	\$ 87,813	\$ 92,326	\$ 96,839	\$ 101,352	\$ 105,865	\$ 110,378	\$ 114,891	\$ 119,404	\$ 123,917	\$ 128,430	\$ 132,943	\$ 137,456	\$ 141,969	\$ 146,482	\$ 150,995
PICA	153	\$ 31,614	\$ 67,385.40	\$ 88,237.75	\$ 91,763.10	\$ 95,288.45	\$ 98,813.80	\$ 102,339.15	\$ 105,864.50	\$ 109,389.85	\$ 112,915.20	\$ 116,440.55	\$ 120,965.90	\$ 124,491.25	\$ 129,016.60	\$ 133,541.95	\$ 138,067.30
Employee Pension	156	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Training		\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Sub-Total Personnel		\$ 1,174,870	\$ 1,261,834	\$ 1,271,933	\$ 1,282,032	\$ 1,292,131	\$ 1,302,230	\$ 1,312,329	\$ 1,322,428	\$ 1,332,527	\$ 1,342,626	\$ 1,352,725	\$ 1,362,824	\$ 1,372,923	\$ 1,383,022	\$ 1,393,121	\$ 1,403,220
Supervisor Salaries		\$ 43,428	\$ 43,845	\$ 44,262	\$ 44,679	\$ 45,096	\$ 45,513	\$ 45,930	\$ 46,347	\$ 46,764	\$ 47,181	\$ 47,598	\$ 48,015	\$ 48,432	\$ 48,849	\$ 49,266	\$ 49,683
Employee Wages		\$ 719,000	\$ 716,450	\$ 713,900	\$ 711,350	\$ 708,800	\$ 706,250	\$ 703,700	\$ 701,150	\$ 698,600	\$ 696,050	\$ 693,500	\$ 690,950	\$ 688,400	\$ 685,850	\$ 683,300	\$ 680,750
Group Insurance		\$ 3,893	\$ 4,924	\$ 5,955	\$ 6,986	\$ 8,017	\$ 9,048	\$ 10,079	\$ 11,110	\$ 12,141	\$ 13,172	\$ 14,203	\$ 15,234	\$ 16,265	\$ 17,296	\$ 18,327	\$ 19,358
Life Insurance		\$ 44,335	\$ 42,553	\$ 40,771	\$ 38,989	\$ 37,207	\$ 35,425	\$ 33,643	\$ 31,861	\$ 30,079	\$ 28,297	\$ 26,515	\$ 24,733	\$ 22,951	\$ 21,169	\$ 19,387	\$ 17,605
Workers' Compensation		\$ 83,300	\$ 87,813	\$ 92,326	\$ 96,839	\$ 101,352	\$ 105,865	\$ 110,378	\$ 114,891	\$ 119,404	\$ 123,917	\$ 128,430	\$ 132,943	\$ 137,456	\$ 141,969	\$ 146,482	\$ 150,995
PICA		\$ 31,614	\$ 67,385.40	\$ 88,237.75	\$ 91,763.10	\$ 95,288.45	\$ 98,813.80	\$ 102,339.15	\$ 105,864.50	\$ 109,389.85	\$ 112,915.20	\$ 116,440.55	\$ 120,965.90	\$ 124,491.25	\$ 129,016.60	\$ 133,541.95	\$ 138,067.30
Employee Pension		\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Training		\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Sub-Total Personnel		\$ 1,174,870	\$ 1,261,834	\$ 1,271,933	\$ 1,282,032	\$ 1,292,131	\$ 1,302,230	\$ 1,312,329	\$ 1,322,428	\$ 1,332,527	\$ 1,342,626	\$ 1,352,725	\$ 1,362,824	\$ 1,372,923	\$ 1,383,022	\$ 1,393,121	\$ 1,403,220

TOWN OF COLLIERVILLE

125-43200 SANITATION FUND SUMMARY

BUDGET FY 2001

ACCT CODE	DESCRIPTION	ACTUAL FY 98	ACTUAL FY 99	BUDGET FY 00	ESTM'D FY 00	APPROVED FY 01
	Beginning Fund Balance	\$ 89,042	\$ 112,270	\$ 28,158	\$ 28,158	\$ 507
REVENUE						
33430	Recycling Grant	6,562		7,000	6,292	6,292
34410	Solid Waste Collection Fee	1,180,021	1,258,635	1,376,376	1,345,912	1,815,565
34430	Special Refuse Pick-up Fee	225	256			
36533	Sale of Carts	43,330	46,660	45,000	45,000	45,000
37497	Recycling Revenue	18,213	12,854	20,000	25,000	25,000
TOTAL REVENUE		1,248,351	1,318,405	1,448,376	1,422,204	1,891,857
EXPENDITURES						
Personnel						
111	Salaries Permanent Regular	31,515	31,358	33,970	36,375	36,388
121	Wages, Permanent Regular	409,364	431,713	488,224	493,015	532,427
122	Wages, Permanent OT	37,152	38,064	26,700	28,000	30,000
134	Christmas Bonus	1,388	2,139	2,545	2,328	2,653
141	FICA	35,776	37,430	44,387	42,640	48,573
142	Hospital/Health Insurance	68,352	72,288	73,944	71,664	73,320
143	Retirement Current	43,703	41,002	47,425	44,387	52,427
145	Life Insurance	4,573	4,912	6,034	5,797	6,603
146	Workman's Compensation	15,265	16,513	12,363	11,824	27,023
151	COLA			10,444	0	11,350
152	Merit			20,888	0	24,774
Total Personnel		647,088	675,417	766,924	736,030	845,538
Operating Expenses						
211	Postage	8	1			
222	Books, Catalogues, Brochures			500	1,100	500
235	Memberships, Registration Fees	2,400	2,700	2,700	2,700	2,800
237	Advertising					100
241	Utilities	1,401	1,488	1,400	1,400	1,400
245	Telephone	598	651	400	600	660
251	Medical/Employment Physical	594				1,000
256	Professional Services		1,005	500	500	20,000
261	Vehicle Repair & Maint.	14,449	11,994	8,000	8,000	8,000
262	Other Equip. Repair & Maint.	148	750	23,500	23,500	1,000
280	Travel	182				
283	Out-of-Town Travel Expense		675	500	500	700
287	Local Travel Expense			50	0	
290	Other Contractual					
295	Landfill Services	325,628	411,546	440,000	420,000	490,000
299	Contractual Services	29,827	34,770	35,000	35,000	35,000
310	Office Supplies	1				
311	Office Supplies		4	50	50	50
312	Small Items of Equip.	725		200	200	200
324	Household/Janitorial Supplies	5	3	50	50	50
326	Clothing/Uniforms	4,173	6,786	6,300	6,300	10,264
329	Operating Supplies	345	67	100	100	100
331	Fuel/Grease/Oil	27,129	22,804	30,000	30,000	34,000
332	Motor Vehicle Parts	9,043	22,090	12,000	12,000	15,000
333	Machinery & Equipment Parts	5,193	1,193	2,000	7,000	3,000

125-43200 SANITATION FUND SUMMARY

BUDGET FY 2001

ACCT CODE	DESCRIPTION	ACTUAL FY 98	ACTUAL FY 99	BUDGET FY 00	ESTM'D FY 00	APPROVED FY 01
334	Tires/Tubes	12,943	12,160	8,000	8,000	14,000
339	Operating Supplies	3,115	4,820	4,500	4,500	6,000
341	Hand Tools	116	104	200	100	200
352	Carts Purchased	35,415	33,248	23,500	23,500	30,000
360	Safety Equipment					
	Total Operating Expenses	473,437	568,858	599,450	585,100	674,024
	Capital Outlay					
941	General Machinery & Equipment					
942	Construction & Maint. Machinery		20,200			18,000
944	Transportation Equipment			600	600	1,200
945	Communication Equipment					2,000
948	Computer Equipment					
	Total Capital Outlay	0	20,200	600	600	21,200
	Debt Service					
	Principal					
	1992 G I B Refunding			12,500	12,500	13,000
	1993 Capital Outlay			21,450	21,450	19,500
	1995 G I B			4,800	4,800	4,900
	1996 G I B			20,000	20,000	20,000
	1997 G I B			18,750	18,750	18,750
	Subtotal - Principal	63,850	84,500	77,500	77,500	76,150
	Interest					
	1992 G I B Refunding			5,741	5,741	5,166
	1993 Capital Outlay			2,761	2,761	1,984
	1995 G I B			4,732	4,732	4,535
	1996 G I B			17,193	17,193	16,273
	1997 G I B			20,199	20,199	19,468
	Subtotal - Interest	40,748	53,542	50,625	50,625	47,426
	Total Debt Service	104,598	138,042	128,125	128,125	123,576
	TOTAL EXPENDITURES	1,225,123	1,402,517	1,495,100	1,449,855	1,664,337
	Revenue over (under) expenditures	23,228	(84,111)	(46,724)	(27,651)	227,520
	Fund Balance Appropriation	0	0	46,724	27,651	0
	General Fund Operating Transfer			18,565	0	0
	Designated/Reserved	112,270	28,158	0	507	228,026
	Undesignated	(0)	0	0	0	0
	Ending Fund Balance	\$ 112,270	\$ 28,158	\$ -	\$ 507	\$ 228,026

Note: A \$3.00 rate increase in sanitation fees is included in the FY 2001 revenue projection for equipment replacement in the FY 2002 CIP.

25-43200 SANITATION FUND

PERSONNEL DETAIL

ACCT CODE	DESCRIPTION	BUDGET FY 00	ESTM'D FY 00	APPROVED FY 01
111	Salaries			
	Supervisor	1.0	33,970	1.0
	Total Salaries	1.0	33,970	1.0
121	Wages			
	Driver	9.0	234,312	10.0
	Loader/Driver	4.0	73,761	4.0
	Loader	9.0	180,151	9.0
	Total Wages	22.0	488,224	23.0
	Benefits:			
134	Bonus		2,545	2,653
141	FICA		44,387	48,573
142	Health Insurance		73,944	73,320
143	Retirement		47,425	52,427
145	Life Insurance		6,034	6,603
146	Worker's Comp		12,363	27,023
	Total Benefits		186,699	178,640
151	COLA		10,444	11,350
152	Merit Adjustment		20,888	24,774
	Other Compensation			
121	Upgrades			1,317
122	Overtime		26,700	28,000
135	College Incentive			30,000
	Total Other Compensation		26,700	28,000
148	Employee Education			
Total Personnel		23.0	766,924	24.0
				736,030
				25.0
				845,538

CITY OF GERMANTOWN

SANITATION

FY01 OPERATING BUDGET

The FY01 Sanitation Budget includes funding for the final year of a five-year contract with Browning-Ferris Industries (BFI) for residential garbage, yard waste, and recycling collection. The cost of residential collection for FY01 is calculated at \$23.50 per single family dwelling. This fee is consistent with the FAC's and the BMA's recommendation to eliminate the General Fund subsidy and to have full cost accounting for the collection and disposal of solid waste. The terms of this contract coincide with the terms of a 10-year landfill contract with BFI, which began in July 1991.

In addition to the collection costs, the City pays BFI for disposal of residential waste in a permitted sanitation landfill on a per ton basis. The cost, as set by contract, is as follows: per ton tipping fee will increase or decrease the same percentage as the consumer price index. This fee is expected to be \$30.10 per ton for FY01:

The cost for collection service alone is \$2,675,100 with landfill fees projected to total \$627,100 including savings from recycling. A continued citizen education program is underway to familiarize the public with the benefits of recycling.

The Solid Waste Coordinator works with citizens, the Environmental Commission and BFI to promote a public awareness program and to assure citizen satisfaction.

The Grasscycling and Backyard Composting programs saved an estimated \$36,600 in disposal costs last year. Reducing yard trash volumes continues to be a goal of the Environmental Commission.

FY01 PERFORMANCE MEASURES

Mission To successfully collect and dispose of all solid waste through contracts with external vendor and, in conjunction with the Environmental Commission, to educate citizens about solid waste reduction activities such as recycling, grasscycling and composting.

Performance Measures: Citizen Perspective

BSC Objective: Customer focus
Dept. Objective: Provide reliable and high-quality yard waste, household garbage and refuse, and recycling collection

Measure: percent of service requests that are responded to within 24 hours
Target: 95%

Measure: average number of customer service requests to Mayor's Action Hotline
Target: maintain calls at less than 40 requests/week

Measure: percent of households participating in recycling program
Target: maintain 80% participation

BUDGET CATEGORY SUMMARY

CATEGORY	Actual FY99	Budget FY00	Estimated FY00	Amt. Chg.	% Chg.	Budget FY01
Personnel	\$ -	500	500	-	0.00%	500
Communication	11,187	15,500	15,500	-	0.00%	15,500
Professional Fees	4,096	3,000	6,400	-	0.00%	6,400
Other Maintenance	71	200	200	-	0.00%	200
Supplies	1,400	2,800	2,800	-	0.00%	2,800
Contract Services	3,007,010	3,200,900	3,139,000	163,200	5.20%	3,302,200
Depreciaton	3,247	3,200	3,000	-	0.00%	3,000
Utilities	1,601	1,500	1,600	-	-	1,600
TOTAL	\$ 3,028,612	3,227,600	3,169,000	163,200	5.15%	3,332,200

PERSONNEL PROJECTIONS

	FY99 Actual	FY00 Estimate	FY01 Projected
Exempt Salaries	0.0	0.0	0.0
Non-Exempt Wages	0.0	0.0	0.0
Other Compensation	0.0	0.0	0.0
Fringe Benefits	-	-	-
Merit Adjustments	-	-	-
Other Personnel	-	-	500
DEPARTMENT TOTAL	0.0	0.0	500

BUDGET CATEGORY EXPLANATIONS

<u>Personnel</u>	<u>\$ 500</u>
Meeting expenses.	
<u>Communication</u>	<u>\$ 15,500</u>
Subscriptions to job-related journals, membership fees, and seminars pertaining to recycling programs and solid waste disposal. Also included in this category are funds to expand the City's grasscycling/composting campaign.	
<u>Professional Fees</u>	<u>\$ 6,400</u>
Funds to support the Environmental Commission, such as the distribution of brochures regarding solid waste management programs.	
<u>Other Maintenance</u>	<u>\$ 200</u>
Department radio communication system not covered under annual maintenance contract.	
<u>Supplies</u>	<u>\$ 2,800</u>
Funds utilized to provide office supplies, uniforms and rain wear. Funds are also budgeted to support Environmental Commission program such as the "Environmental Reporter", and for support to the computer system. In addition, petroleum products are included here.	
<u>Contract Services</u>	<u>\$3,302,200</u>
This category reflects the cost for both solid waste disposal charges (\$627,100) and the collection charges from BFI for one year (\$2,675,100).	
<u>Depreciation</u>	<u>\$ 3,000</u>
The annual-depreciated valuation of the radio communication system.	
<u>Utilities</u>	<u>\$ 1,600</u>
Sanitation's share of utility costs (electricity and gas, water and sewer, and local telephone).	

CITY OF LAKELAND

110 GENERAL FUND
43250 WASTE COLLECTION AND DISPOSAL
121 WAGES HOURLY EMP PERM

End-Obj-Sub-Cost	Sub-Obj-Sub-Cost	Transaction Type	Date	Description	Debit Amount	Credit Amount	Balance
110-43250-121	PA	10720	07/01/2000	Beginning Balance	0.00	0.00	0.00
110-43250-121	JE	452	07/20/2000	AUTOMATIC PAYROLL SUMMARY	792.77	0.00	792.77
110-43250-121			07/30/2000	PAYROLL DIBNET POST	684.00	0.00	1,476.77
110-43250-121				Month-End Balance	1,476.77	0.00	1,476.77
110-43250-121	PA	10802	08/01/2000	Beginning Balance	0.00	0.00	1,476.77
110-43250-121	PA	10815	08/02/2000	AUTOMATIC PAYROLL SUMMARY	761.76	0.00	2,238.53
110-43250-121	PA	10831	08/15/2000	AUTOMATIC PAYROLL SUMMARY	761.76	0.00	3,000.29
110-43250-121			08/31/2000	AUTOMATIC PAYROLL SUMMARY	761.76	0.00	3,762.05
110-43250-121				Month-End Balance	2,285.28	0.00	3,762.05
110-43250-121	PA	10913	09/01/2000	Beginning Balance	0.00	0.00	3,762.05
110-43250-121	PA	10927	09/13/2000	AUTOMATIC PAYROLL SUMMARY	761.76	0.00	4,523.81
110-43250-121			09/27/2000	AUTOMATIC PAYROLL SUMMARY	761.76	0.00	5,285.57
110-43250-121				Month-End Balance	1,523.52	0.00	5,285.57
110-43250-121	PA	11011	10/01/2000	Beginning Balance	0.00	0.00	5,285.57
110-43250-121			10/11/2000	AUTOMATIC PAYROLL SUMMARY	761.76	0.00	6,047.33
110-43250-121				Month-End Balance	761.76	0.00	6,047.33
110-43250-141	PA	10720	07/01/2000	Beginning Balance	0.00	0.00	0.00
110-43250-141			07/20/2000	AUTOMATIC PAYROLL SUMMARY	60.64	0.00	60.64
110-43250-141				Month-End Balance	60.64	0.00	60.64
110-43250-141	PA	10802	08/01/2000	Beginning Balance	0.00	0.00	60.64
110-43250-141	PA	10815	08/02/2000	AUTOMATIC PAYROLL SUMMARY	58.27	0.00	118.91
110-43250-141	PA	10831	08/15/2000	AUTOMATIC PAYROLL SUMMARY	58.27	0.00	177.18
110-43250-141	PA	10831	08/31/2000	AUTOMATIC PAYROLL SUMMARY	58.27	0.00	235.45
110-43250-141				Month-End Balance	174.81	0.00	235.45

110 GENERAL FUND
 43260 WASTE COLLECTION AND DISPOSAL
 141 EMP. PART SOCIAL SECURITY

End=Func-Obj=Sub Cost Sub Transaction Fund=Func-Obj=End=Centr-Obj Type Number	Date	Description	Debit Amount	Credit Amount	Balance
110-43260-141	09/01/2000	Beginning Balance			235.45
110-43260-141	09/13/2000	AUTOMATIC PAYROLL SUMMARY	58.27	0.00	293.72
110-43260-141	09/27/2000	AUTOMATIC PAYROLL SUMMARY	58.27	0.00	351.99
141-EMP-PART-SOCIAL SECURITY		Month-End Balance	116.54	0.00	351.99
110-43260-141	10/01/2000	Beginning Balance			351.99
110-43260-141	10/11/2000	AUTOMATIC PAYROLL SUMMARY	58.26	0.00	410.25
142-INSURANCE-DENTAL-HEALTH LIFE		Month-End Balance	58.26	0.00	410.25
110-43260-142	07/01/2000	Beginning Balance			0.00
110-43260-142	07/31/2000	STATE OF TN HEALTH INS	184.40	0.00	184.40
142-INSURANCE-DENTAL-HEALTH LIFE		Month-End Balance	184.40	0.00	184.40
110-43260-142	08/01/2000	Beginning Balance			184.40
110-43260-142	08/31/2000	STATE OF TENNESSEE INSURA	184.40	0.00	368.80
142-INSURANCE-DENTAL-HEALTH LIFE		Month-End Balance	184.40	0.00	368.80
110-43260-142	09/01/2000	Beginning Balance			368.80
110-43260-142	09/30/2000	STATE OF TN HEALTH/DENTAL IN	184.40	0.00	553.20
251-REGM-COLLECTION FEE		Month-End Balance	184.40	0.00	553.20
110-43260-251	07/01/2000	Beginning Balance			0.00
110-43260-251	07/28/2000	MLGSM	445.54	0.00	445.54
251-REGM-COLLECTION FEE		Month-End Balance	445.54	0.00	445.54
110-43260-251	08/01/2000	Beginning Balance			445.54
110-43260-251	08/22/2000	REGM	445.54	0.00	890.87
251-REGM-COLLECTION FEE		Month-End Balance	445.54	0.00	890.87

110 GENERAL FUND
WASTE COLLECTION AND DISPOSAL
251 MLGW COLLECTION FEE

End=Fund=Obj=Fund-Centr=Obj Type Number
Sub Cost Sub Transaction

Date	Description	Debit Amount	Credit Amount	Balance
	Month-End Balance	445.33	0.00	890.87
09/01/2000	Beginning Balance			890.87
09/21/2000	MLGW	443.18	0.00	447.69
	Month-End Balance	443.18	0.00	1,334.05
	Ending Balance	1,334.05	0.00	1,334.05

298 CONTRACTED SERVICE

110-43260-298
110-43260-298

07/01/2000	Beginning Balance			0.00
07/21/2000	SFI BROWN FERRIS INDUS	21,885.72	0.00	21,885.72
	Month-End Balance	21,885.72	0.00	21,885.72

298 CONTRACTED SERVICE

110-43260-298
110-43260-298

08/01/2000	Beginning Balance			21,885.72
08/25/2000	SFI BROWN FERRIS INDUS	21,885.72	0.00	43,771.44
	Month-End Balance	21,885.72	0.00	43,771.44

298 CONTRACTED SERVICE

110-43260-298
110-43260-298

09/01/2000	Beginning Balance			43,771.44
09/20/2000	SFI BROWN FERRIS INDUS	21,885.72	0.00	65,657.16
	Month-End Balance	21,885.72	0.00	65,657.16
	Ending Balance	65,657.16	0.00	65,657.16

Total Beginning Balance For Account: 110-43260-121-
Total Ending Balance For Account: 110-43260-298-
Total Beginning Balance Thru Account: 110-43260-121-
Total Ending Balance Thru Account: 110-43260-298-
Month: 07 Month: 2000
Ending: 10 OCTOBER 2000 110-43260-722-222-72222-722

* End of Report: CITY OF LAKELAND *

CITY OF MEMPHIS

PUBLIC WORKS

SOLID WASTE MANAGEMENT

MISSION STATEMENT

Using the most sound engineering, economic and management principles, Solid Waste Management ensures the collection and disposal of residential solid waste, meeting community goals and stringent State and Federal regulations at the minimum cost.

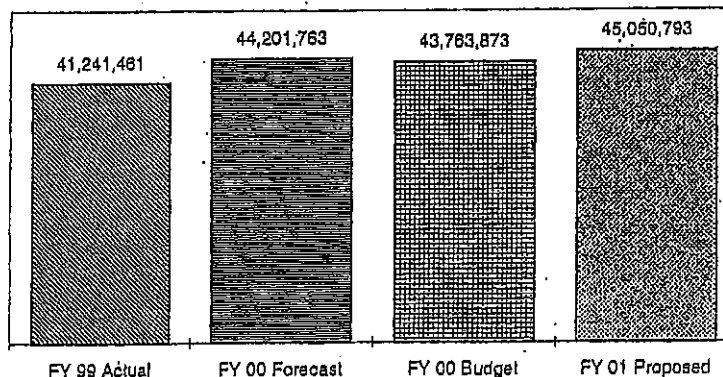
OPERATING BUDGET

Category	FY 1999 Actual	FY 2000 Forecast	FY 2000 Budget	FY 2001 Proposed
Personnel	21,750,065	23,267,242	22,824,967	23,832,823
Supplies/Services	15,298,355	16,400,355	16,832,781	16,956,602
Capital	222,700	590,249	107,700	580,100
Transfer In/Out	4,059,256	4,044,078	4,069,425	3,754,268
Gross Expenditures	41,330,377	44,301,924	43,834,873	45,123,793
Expense Recoveries	(88,916)	(100,161)	(71,000)	(73,000)
Total Expenditures	41,241,461	44,201,763	43,763,873	45,050,793
Charges For Services	(19,450,085)	(20,561,810)	(20,075,518)	(23,174,500)
Transfer In From General Fund	21,686,464	23,639,953	23,688,355	21,876,293
Staffing Level	667	669.84	671.72	671.72

DIVISION STRATEGIC GOALS

- ▲ Increase the residential curbside recycling rate from the current 18% to the national average of 23%.

Solid Waste Management



PUBLIC WORKS

SPECIAL REVENUE

OPERATING BUDGET

Description	FY 1999 Actual	FY 2000 Forecast	FY 2000 Budget	FY 2001 Proposed
Solid Waste Disposal Fee	(18,081,030)	(18,619,861)	(18,525,994)	(21,185,000)
Sanitation Inspection Fee	(357,032)	(385,004)	(409,524)	(400,000)
Waste Reduction Grant	(201,880)	(134,586)	(190,000)	(134,500)
Tire Shredder - State Revenue	(497,792)	(552,195)	(450,000)	(475,000)
Recycling Proceeds	(312,350)	(370,164)	(500,000)	(480,000)
Misc. Other Revenue	0	(500,000)	0	(500,000)
Total Revenue	(19,450,085)	(20,561,810)	(20,075,518)	(23,174,500)



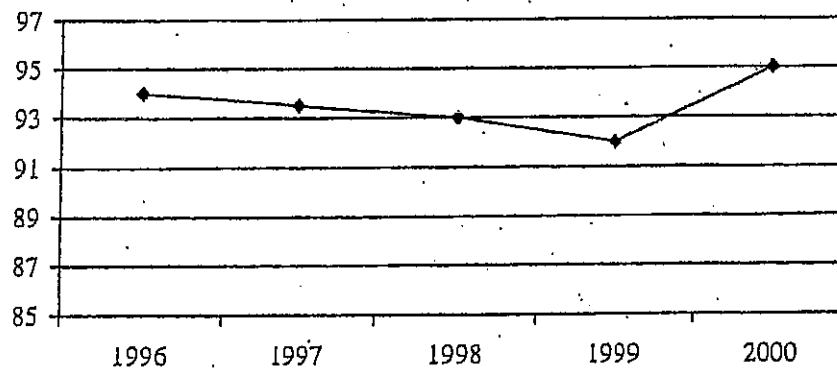
PUBLIC WORKS

PERFORMANCE HIGHLIGHTS

FY 2000 PERFORMANCE HIGHLIGHTS

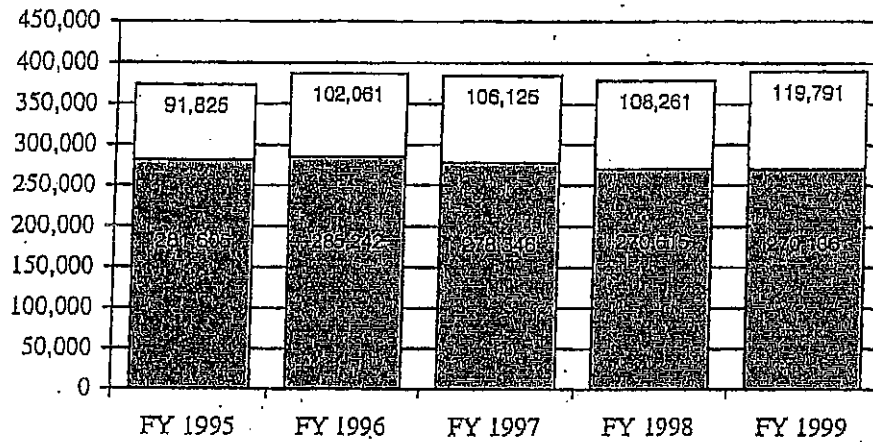
- ★ Completion of Farrisview Solid Waste Complex, consolidating two outdated facilities. This was part of the long-range improvements to solid waste service, including the FCR recycling facility at the Farrisview Complex.
- ★ Increased solid waste recycled by two percent in FY 1999.
- ★ Diverted almost 12,000 tons of solid waste from disposal in landfills to the recycling program.

Memphis Poll Results Promptness



The Memphis Poll found that 95% of those polled agreed that solid waste is consistently collected on the scheduled day.

Solid Waste Disposal



Top row of numbers represents the amount of solid waste diverted.
 Bottom row of numbers represents solid waste disposed of in local landfills.

The City continues to meet and exceed the State's mandated goal of 25% reduction of solid waste disposed at Class I landfills. This goal is met through residential curbside recycling program, mulch and composting programs and other diversion alternatives.



PUBLIC WORKS

SOLID WASTE ADMINISTRATION

MISSION STATEMENT

Provide organizational effectiveness by administrative support to all solid waste service centers.

OPERATING BUDGET

Category	FY 1999 Actual	FY 2000 Forecast	FY 2000 Budget	FY 2001 Proposed
Personnel	1,026,144	1,140,095	1,183,559	1,251,404
Supplies/Services	592,808	563,535	567,754	553,585
Capital	3,470	14,500	14,500	2,600
Gross Expenditures	1,622,422	1,718,130	1,765,813	1,807,589
Expense Recoveries	(8,056)	(13,603)	(7,000)	(7,000)
Total Expenditures	1,614,365	1,704,527	1,758,813	1,800,589
Charges for Services	(18,438,062)	(19,004,865)	(18,935,518)	(21,585,000)
Revenue (Over) Under Expense	(16,823,697)	(17,300,338)	(17,176,705)	(19,784,411)
Staffing Level	34	35.51	36.86	36.86

FY 2000 PERFORMANCE HIGHLIGHTS

- ★ Completion of Farrisview Solid Waste Complex, consolidating two outdated facilities. This was part of the long-range improvements to solid waste service, including the FCR recycling facility at the Farrisview Complex.

FY 2001 GOALS, OBJECTIVES & PERFORMANCE MEASURES

Goal No.	Goal	Obj. No.	Objective	Performance Measure	Actual FY 99	Estimated FY 00	Projected FY 01
1	Increase professional development of supervisory staff.	1	To provide broad range of training activities to employees.	Total hours of supervisory training of supervisory training	500	575	600
2	Effective solid waste planning.	1	To increase overall customer satisfaction.	Number of service categories in Memphis Poll categories rated exceptional	1	2	2



PUBLIC WORKS

SOLID WASTE COLLECTIONS

MISSION STATEMENT

To protect and promote public health by providing solid waste collection services to the citizens of Memphis.

OPERATING BUDGET

Category	FY 1999 Actual	FY 2000 Forecast	FY 2000 Budget	FY 2001 Proposed
Personnel	18,618,236	19,761,687	19,265,555	20,124,054
Supplies/Services	9,526,767	9,802,207	10,119,547	10,136,853
Capital	130,431	529,549	47,000	529,500
Transfer In/Out	2,849,761	2,839,744	2,865,090	2,796,432
Charges for Services	0	(500,000)	0	(500,000)
Revenue (Over) Under Expense	31,125,195	32,433,187	32,297,192	33,086,839
Staffing Level	577	575.21	575.21	575.21

FY 2001 GOALS, OBJECTIVES & PERFORMANCE MEASURES

Goal No.	Goal	Obj. No.	Objective	Performance Measure	Actual FY 99	Estimated FY 00	Projected FY 01
1	Collect residential solid waste and curbside recycling weekly from single family residences.	1	To improve customer satisfaction in FY 2001.	Percent of citizens reporting garbage collection services provided in a consistent, scheduled manner	92%	95%	94%
				Percent of citizens reporting curbside recyclable collection services provided in a consistent, scheduled manner	80%	87%	84%
				Percent of citizens reporting curbside trash and bulky items collected within one week	75%	78%	80%
				Percent of citizens reporting solid waste crews maintaining neatness during the performance of their duties	69%	66%	75%

PUBLIC WORKS**SOLID WASTE DISPOSAL****MISSION STATEMENT**

To process/transfer and dispose of municipal waste for approximately 650,000 residents of Memphis.

OPERATING BUDGET

Category	FY 1999 Actual	FY 2000 Forecast	FY 2000 Budget	FY 2001 Proposed
Personnel	1,620,869	1,854,230	1,842,449	1,909,593
Supplies/Services	6,021,222	5,767,653	5,796,974	5,926,147
Capital	86,168	46,200	46,200	48,000
Gross Expenditures	7,728,259	7,668,083	7,685,623	7,883,740
Expense Recoveries	(80,860)	(86,558)	(64,000)	(66,000)
Total Expenditures	7,647,399	7,581,525	7,621,623	7,817,740
Charges for Services	(497,792)	(552,195)	(450,000)	(475,000)
Revenue (Over) Under Expense	7,149,607	7,029,330	7,171,623	7,342,740
Staffing Level	45	47.04	47.04	47.04

FY 2001 GOALS, OBJECTIVES & PERFORMANCE MEASURES

Goal No.	Goal	Obj. No.	Objective	Performance Measure	Actual FY 99	Estimated FY 00	Projected FY 01
1	To provide environmentally sound solid waste processing/transfer and disposal.	1	To achieve compliance with environmental regulations.	Percent compliance with State and Federal agencies	100%	100%	100%
2	Efficient transfer of municipal solid waste.	1	To increase the percent of total waste processed through transfer station by one percent.	Percent of total waste transferred through transfer station per year	70%	72%	73%

PUBLIC WORKS**SOLID WASTE RECYCLING****MISSION STATEMENT**

To provide the citizens of Memphis the opportunity to participate in a convenient and effective curbside recycling program reducing landfill requirements and conserving natural resources.

OPERATING BUDGET

Category	FY 1999 Actual	FY 2000 Forecast	FY 2000 Budget	FY 2001 Proposed
Personnel	498,095	511,230	533,404	547,772
Supplies/Services	214,283	266,960	348,506	340,017
Capital	46,800	0	0	0
Transfer In/Out	1,209,495	1,204,334	1,204,335	957,836
Total Expenditures	1,968,673	1,982,524	2,086,245	1,845,625
Charges for Services	(514,231)	(504,750)	(690,000)	(614,500)
Revenue (Over) Under Expense	1,454,442	1,477,774	1,396,245	1,231,125
Staffing Level	11	12.09	12.61	12.61

FY 2000 PERFORMANCE HIGHLIGHTS

- ★ Increased solid waste recycled by two percent in FY 1999.
- ★ Diverted almost 12,000 tons of solid waste from disposal in landfills to the recycling program.

FY 2001 GOALS, OBJECTIVES & PERFORMANCE MEASURES

Goal No.	Goal	Obj. No.	Objective	Performance Measure	Actual FY 99	Estimated FY 00	Projected FY 01
1	Operate convenient and productive curbside recycling program.	1	To increase participation in the recycling program by increasing recyclable tonnage collected by 500 tons in FY 2001.	Number of tons of curbside recyclables collected	7,689	8,000	8,500
2	Operate an efficient curbside recycling program.	1	To increase the efficiency of recycle collection crews by 20% in FY 2001.	Tons collected	Not measured	5	6

PUBLIC WORKS

AUTHORIZED COMPLEMENT

Service Center/Position Title	Authorized Positions	Service Center/Position Title	Authorized Positions
<u>SWM Administration</u>		<u>SWM Disposal</u>	
Foreman-Solid Waste Mgmt	2	Supv Special Waste	1
Insp-Serv Fee/Sr	1	Super-Trans Station	4
Insp-Serv Fee	3	Tech-Disposal	3
Mgr-Solid Waste Fees	1	Tech-Trans Station	2
Support Services Mgr	1	Heavy Equipt Oper	2
Super-Cart Central	1	Driver-Tractor Trail	21
Clerk-General/B	6	Driver-Truck	7
Clerk Accounting B	1	Crewperson	9
Secretary A	1	Total SWM Disposal	49
Secretary C	1	<u>SWM Recycling</u>	
Safety & Health Office	1	Mgr Compost	1
Admin-Solid Waste Ops	1	Compost Facility Super	1
Mechanic-Mnt	14	Secretary C	1
Crewperson	4	Recycling Coordinator	1
Total SWM Admin	38	Recycling Rep	2
<u>SWM Collections</u>		Admn-Recycling Operations	1
Mgr Area/Solid Waste	5	Mech-Heavy Equipt	3
Super Zone Swm	24	Driver-Tractor Trail	1
Super Clerical Swm	2	Crewperson	2
Clerk General A	1	Total SWM Recycling	13
Clerk General B	4		
Clerk General C	6	TOTAL SOLID WASTE	693
Dispatcher	1		
Admin Solid Waste Mgmt	2		
Oper-Hvy Equip	5		
Oper-Spec Eqp	12		
Crewchief	167		
Driver-Truck	60		
Crewperson	304		
Total SWM Collections	593		

APPENDIX D

**PROJECTED TEN-YEAR BUDGETS FOR THE
SHELBY COUNTY MUNICIPAL SOLID WASTE REGION**

TABLE D-A

**PROJECTED BUDGETS FOR THE
SHELBY COUNTY REGION,
2001 THROUGH 2010**

JURISDICTION	-----PROJECTED-----					
	FY '00	FY '01	FY '02	FY '03	FY '04	FY '05
ARLINGTON (1)	\$ 154,315	\$ 162,031	\$ 170,133	\$ 178,640	\$ 187,572	\$ 196,951
BARTLETT	\$ 2,420,078	\$ 2,669,658	\$ 2,617,679	\$ 2,734,774	\$ 2,942,285	\$ 3,014,115
COLLIERVILLE	\$ 1,448,376	\$ 1,891,857	(2)	(2)	(2)	(2)
GERMANTOWN	\$ 3,227,600	\$ 3,332,200	(2)	(2)	(2)	(2)
LAKELAND (3)	\$ 222,006	\$ 230,886	\$ 240,121	\$ 249,726	\$ 259,715	\$ 270,104
MEMPHIS (4)	\$ 43,763,873	\$ 45,050,793	\$ 46,402,317	\$ 47,794,387	\$ 49,228,219	\$ 50,705,066
MILLINGTON (4)	\$ 406,495	\$ 418,690	\$ 431,251	\$ 444,189	\$ 457,815	\$ 471,549
SHELBY COUNTY	(5)	(5)	(5)	(5)	(5)	(5)
TOTAL	\$ 51,642,743					

JURISDICTION	-----PROJECTED-----				
	FY '06	FY '07	FY '08	FY '09	FY '10
ARLINGTON (1)	\$ 206,799	\$ 217,139	\$ 227,996	\$ 239,396	\$ 251,366
BARTLETT	\$ 3,190,878	\$ 3,350,047	\$ 3,517,175	\$ 3,692,656	\$ 3,876,916
COLLIERVILLE	(2)	(2)	(2)	(2)	(2)
GERMANTOWN	(2)	(2)	(2)	(2)	(2)
LAKELAND (3)	\$ 280,908	\$ 292,144	\$ 303,830	\$ 315,983	\$ 328,622
MEMPHIS (4)	\$ 52,226,218	\$ 53,793,005	\$ 55,406,795	\$ 57,068,999	\$ 58,781,069
MILLINGTON (4)	\$ 485,695	\$ 500,266	\$ 515,274	\$ 530,732	\$ 546,654
SHELBY COUNTY	(5)	(5)	(5)	(5)	(5)

- (1) ARLINGTON ASSUMES A FIVE PERCENT ANNUAL INCREASE.
- (2) FIGURES NOT AVAILABLE.
- (3) LAKELAND'S ESTIMATE IS BASED ON JULY 2000 THROUGH OCTOBER 2000 FIGURES. LAKELAND ASSUMES A FOUR PERCENT ANNUAL INCREASE.
- (4) MEMPHIS AND MILLINGTON ASSUME A THREE PERCENT ANNUAL INCREASE.
- (5) SHELBY COUNTY GOVERNMENT HAS NO SOLID WASTE DEPARTMENT.

APPENDIX E

**DESCRIPTIONS OF REDUCTION AND DIVERSION PROGRAMS
IN SHELBY COUNTY**

TOWN OF ARLINGTON

P.O. BOX 507
5854 AIRLINE ROAD
ARLINGTON, TENNESSEE 38002-0507
901-887-2620

MAYOR
George Horton

VICE MAYOR
Russell Wiseman



ALDERMEN
George Branch
Don Hannah
Don May
Dave Norval
Allen Simpson

February 5, 2001

Shelby County Municipal Solid Waste Planning Board
Attn: Andy Ashford, Secretary
Rm 628
125 North Main St.
Memphis, Tn 38103

Re: Explanation of efforts to reduce waste in 2000

The Town of Arlington continues to offer to its citizens a choice of two ways to recycle in our community. The Community Recycling Bin is located at our Public Works Facility and is accessible during business hours Monday through Friday from 7:00 a.m. to 3:30 p.m. We also provide a Household Recycle Bin for collections to be picked-up curb side. The Town currently picks up curb side recycling on Thursday of each week and yard debris on Friday of each week. This information is included in the new resident packets provided to all new residents and updated as necessary through our monthly newsletter. The yard debris that is collected is stored at our Public Works facility and allowed to season, it is then offered to our citizens as mulch for flower beds and gardens as well as for the Town's use.

We encourage our citizens to use a paper recycling program at the elementary school that is provided by Memphis Areas Teachers Credit Union and benefits the school. The Town of Arlington also offers to its citizens a scrap metal recycling program, this allows us to accept large household items for recycling.

Arlington is a growing community and with the growth we are seeing renewed interest in all recycling programs. The largest reduction in waste to landfills within Arlington is the curb side collection of yard debris. We will continue to offer these services and investigate any and all forms of recycling to further reduce waste well above the required 25%.

Sincerely,

Catherine D. Durant, Recorder

c.c. Thomas D. Wiseman, Public Works Superintendent
Ed Haley, Town Superintendent

"Taking Pride In What We Have In Arlington"



City of Bartlett, TENNESSEE
KEN FULMAR, MAYOR

DEPARTMENT OF PUBLIC WORKS
TOBY W. ADKISON - Director
WILLIAM D. YEARWOOD - Assistant Director

January 30, 2001

Mr. Andy Ashford
Bureau of Solid Waste Management
Memphis City Hall
125 North Main Street
Suite 628
Memphis, TN 38103

Dear Mr. Ashford:

The City of Bartlett operated two drop-off-recycling centers during the year 2000. We also collected used tires, batteries, appliances and scrap metal placed at the curb. These actions resulted in 733 tons of solid waste being recycled.

We also collected 37,046 yards of clean yard waste equaling 9,261 tons. These totaled 9,994 tons of reduced waste.

We hauled 21,816.44 tons of solid waste to BFI north landfill.

The total tonnage collected in the City of Bartlett for calendar year 2000 was 31,810.44 tons. We were able to reduce the amount of solid waste going to a landfill by 31.4%.

We are continuing to work on educating our citizens on the importance of separating mulchable waste from landfill waste.

We also participated in America Recycles Day in 2000. We offered our citizens a chance to bring items not normally collected for recycling. We will continue to offer these and other programs in the future.

Sincerely,

Toby W. Adkison, Director
Public Works

TWA:bg

M:\docs01\lrr3215.ta

Town of Collierville
Department of Public Services

167 Washington Street ~ Collierville, Tennessee 38017 ~ (901) 853-3215

M e m o

TO: Andy Ashford
FROM: Wilbur Betty *WB*
DATE: February 14, 2001
RE: Overview of Collierville's 2000 Recycling Activities
CC: Bill Kilp

Continued Town-wide curbside recycling program with 5,332 of a total of 9,695 houses recycling for a participation rate of approximately 55%. Total weight recycled was 1,119 tons.

Talked to schools and citizen groups and participated in TV recycling programs.

Grass cycling information is distributed to encourage mulching or composting. Bins have also been distributed.

Each new resident is given a complete recycling packet.

Loose leaves are used for mulch. Bagged are taken to a Class IV Landfill.

All Christmas Trees were collected and mulched.

We have an arrangement with a private company to recycle used oil, oil filters and anti-freeze.



CITY OF GERMANTOWN

1930 South Germantown Road • Germantown, Tennessee 38138-2815
Phone (901)757-7200 Fax (901)757-7292 www.ci.germantown.tn.us

1-30-01

Mr. Andy Ashford
Solid Waste Board
125 N. Main Street
Memphis, TN. 38103

Dear Andy,

Thanks to the efforts of the Germantown Environmental Commission, a hard working group of dedicated volunteers, we are extremely pleased with the results of our city's solid waste reduction and diversion programs. Noteworthy successes in the year 2000 include such highlights as:

- Recycling – Germantown's curbside recycling program boasts an average participation rate of greater than 80%. Thanks to a thorough education program for adults, and an aggressive program targeting the city's fourth grade students, more than eight out of ten of Germantown's single family residences practice recycling, diverting nearly 2200 tons of waste material from class I sanitary landfills.
- Composting and Grasscycling- Germantown sponsors an annual free composting seminar and offers free composting bins, books, loaner videos, and literature on composting and grasscycling. We conservatively estimate that this reduces by over 7000 tons the amount of yard waste and clippings that would otherwise need to be sent to a class IV landfill.
- Used Oil and Antifreeze- Germantown's motor oil and antifreeze recycling program collected over eighteen tons of used motor oil and over a ton of used antifreeze that might otherwise end up in our lakes, streams or groundwater resources.

These programs, in conjunction with our tri-annual publication of "The Environmental Reporter", the commission's educational newsletter, help ensure that our citizens have the tools and knowledge to achieve future goals.

Sincerely,

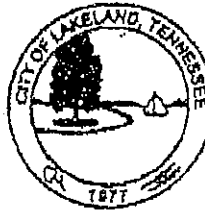
A handwritten signature in cursive script that reads "Kent Howell".

Kent Howell
Solid Waste Coordinator

Cc: Sam Beach Env. Svc. Dir

Jim P. Bompreszi, Sr. Mayor
Scott Carmichael, Vice Mayor

Commissioners
Nina H. Griffin
Mark E. Harts
Patra E. Temple



City Manager
Joseph C. Kirby

City Recorder
Norman F. King, Sr.

City of Lakeland

January 29, 2001

Shelby County Regional Solid Waste Board
Attention: Mr. Andy Ashford
125 N. Main Street
Memphis, Tennessee 38103

RE: 2000 CITY OF LAKELAND SOLID WASTE REPORT

Dear Mr. Ashford:

The City of Lakeland had a contract with Browning-Ferris Industries (BFI) through September of 2000 for residential solid waste pick-up and curb-side recycling. During the month of September bids were accepted for a new solid waste contract which was again awarded to BFI. Under the new contract the City of Lakeland solid waste and recycling fee was reduced from \$11.27 to \$10.50 per month. In 2000, 3113 tons of solid waste was collected and disposed in Shelby County Class I landfills. Curb-side recycling accounted for approximately 122 tons of waste diverted from Class I landfills.

The City of Lakeland has a mulching program that is operated by the Public Works Department. During the first week of each month, tree debris is collected and mulched by City employees. The mulch is used in parks and given to the residents at no charge. The City continued its Christmas tree program which diverted approximately 390 trees from the waste stream. A total of approximately 210 tons of tree debris was mulched during the 2000 calendar year. The City also continued its oil collection site located at City Hall.

The City of Lakeland participated in America Recycles Day by receiving pledge cards from residents at City Hall. Also, Lakeland attended the annual Tennessee Recycling Coalition Conference which was held in Memphis. Lakeland continues to support recycling and other methods of landfill diversion. The City is discussing the possibility of purchasing a leaf vacuum machine to improve its yard waste program. If you have any questions or require additional information, please contact me at (901)867-2717.

Sincerely,

Darren J. Sanders

Darren J. Sanders
Dir. of Code Enforcement

OVERVIEW OF MEMPHIS WASTE REDUCTION IN 2000

As in previous years, the City of Memphis continued to build on its waste reduction efforts in 2000. In calendar year 2000, the City of Memphis collected 396,034 tons of solid waste and diverted 121,089 tons (30.5%), an increase of 1,290 tons over 1999 and 12,820 tons in 1998. As stated in previous reports, there remains over 500,000 tons of commercial and residential waste collected and disposed by private solid waste and recycling companies.

CITY OF MEMPHIS GOVERNMENT:

In 2000 yard waste recycling continued to be the single largest municipal solid waste recycled, with 79,142 tons, up 11,904 tons in 1999, although curbside recycling volumes fell slightly by 72 tons. Yard waste recycling continued to increase due to more efforts being made to divert materials at the source by solid waste personnel. Crews identify the materials at the curb, then divert to the appropriate recycling facility. For example, during the heavy leaf generation period of November thru February, large concentrations of bagged leaves are addressed over and above the normal once per week solid waste collection. In 2000, 8,406 tons of bagged leaves were diverted to staging areas for composting - a 1,793 ton increase over 1999. Additionally, 65,883 tons of yard waste was ground into mulch and sold for approximately \$107,871.

Household recyclables continue to be collected once per week at curbside. Although the volume of recyclables was not significantly higher than 1999, there is optimism that participation will increase due to a variety of adjustments made to the program in 2000. The holiday collection schedule was changed beginning with the Labor Day holiday to allow recycling for all homes affected by holidays. In the past, recycling collection was suspended during holiday makeup days, in order to concentrate on garbage collection. Recycling bin wheel kits were added to the program in August to help those who were physically restricted from carrying the bin to the curb. With these two changes, the major barriers to recycling, identified in a 1999 citywide survey, were removed.

In November of 2000 a year long recycling contest began called THE CURBSIDE CASH GIVEAWAY, which rewards those who participate in recycling. For the winning entry, \$50 in cash is rewarded and during special weeks, such as Earth Day week, \$100 per day is awarded. Winners are announced each week in the Sunday edition of The Commercial Appeal. To support the contest, a promotional campaign consisting of television commercials and bus shelter ads are provided by media partners, Time Warner and Eller Media. A variety of other printed and distributed promotional items were developed and provided by the City's ad agency, Sossaman and Associates.

Obviously, funding of waste reduction programs is imperative. Revenues from the sale of recyclables and landfill diversion savings in 2000 equaled approximately \$1,975,800. These funds and savings coupled with the Division of Community Assistance Recycling Rebate of \$134,586.82 made it possible for the City of Memphis to achieve its greatest reduction to date. We continue to learn more about reduction with each passing year and are optimistic that with future funding assistance from TDEC, the City of Memphis will continue to succeed.

COMMERCIAL/PRIVATE SOLID WASTE AND RECYCLING HAULER/PROCESSORS

Generally, from the City of Memphis perspective, there has been little or no change in the commercial recycling sector of Memphis. FCR remains the primary recycler of municipal household items, with Weyerhaeuser being the dominant office paper recycling company. There are several other recyclers of corrugated cardboard (OCC) in the Memphis area that continue to battle for

accounts and volume and Perlco appearing to be the primary scrap metal company. With the markets for recyclable materials being generally down during 2000 it is difficult to say how well these companies are doing. There have been some changes in ownership and management at several of the solid waste and recycling companies.

With the abundance of parties involved, collecting solid waste and recycling data has been very difficult and very time consuming. Collecting information about solid waste and recycling for the Annual Update has also been especially difficult this year due to late and non-responding parties. Any suggestions or guidance by the Division of Community Assistance to encourage timely responses by solid waste and recycling related companies, would be greatly appreciated.

2000

CITY OF MEMPHIS
SOLID WASTE REDUCTION

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
NO. OF SERVICE DAYS	21	21	23	16	21	22	19	23	21	22	22	21	248
(A) TONS CLASS I LANDFILL	22,879.59	19,159.34	27,155.79	23,930.95	28,344.47	25,294.33	22,830.51	23,077.93	19,628.54	21,179.47	21,386.51	20,085.89	274,953.32
AVERAGE TONS/DAYS	(1,089.50)	(912.35)	(1,180.68)	(1,496.54)	(1,332.36)	(1,149.75)	(1,141.57)	(1,003.38)	(934.69)	(962.70)	(972.11)	(956.47)	(1,232.05)
No. of Recycling Days	17	21	23	16	21	22	19	23	21	22	22	21	248
Appliances	0	13.12	13.54	0	0	21.85	0	14.08	10.82	4.36	0	0	71.71
City Hall (Office)	4.51	3.22	2.83	.86	.72	1.88	1.28	2.42	.97	1.49	1.70	2.70	24.58
Curbside (City & BFI) (Avg/Day)	621.56 (36.56)	658.38 (31.35)	726.88 (31.34)	581.64 (36.35)	708.60 (33.74)	746.80 (33.94)	578.43 (30.44)	682.67 (29.68)	597.20 (28.43)	650.39 (29.56)	691.63 (31.43)	659.29 (31.39)	7,897.47 (31.84)
Telephone Books	94.43	0	0	0	0	16.47	0	0	0	0	0	0	110.90
Yardwaste (Mulchworks)	0	174.00	176.00	132.00	709.75	659.75	550.00	548.00	498.00	835.00	354.00	198.00	4,835.00
Yardwaste (J.T. Wood)	2,180.00	2,005.00	3,030.00	815.00	3,075.00	6,656.50	3,916.50	2,585.00	3,195.00	2,575.00	2,130.00	1,140.00	33,303.00
Yardwaste (Earth Complex)	1,058.00	986.00	1,188.00	1,304.00	1,348.00	1,464.00	1,507.00	1,261.00	1,174.00	1,116.00	1,044.00	1,044.00	14,494.00
Yardwaste (Bellevue)	1,731.00	1,613.00	1,945.00	2,134.00	2,206.00	2,395.00	2,467.00	2,064.00	1,921.00	1,826.00	1,708.00	1,708.00	23,718.00
Yardwaste (Penal Farms)	2,020.00	1,882.00	2,269.00	2,490.00	2,573.00	2,795.00	2,878.00	2,407.00	2,242.00	2,131.00	1,992.00	1,992.00	27,671.00
Yardwaste (BFI SO)	438.00	93.00	0	0	0	0	0	0	0	0	0	0	531.00
Bagged Leaves	3,110.31	2,101.56	0	0	0	0	0	0	0	0	1,513.13	1,681.25	8,406.25
(B) TOTAL REDUCTION	11,257.81	9,529.28	9,345.25	7,457.50	10,621.07	14,757.25	11,888.21	9,564.17	9,638.99	9,139.74	9,434.46	8,425.24	121,068.97
TOTAL WASTE (A + B)	34,137.40	28,688.62	36,501.04	31,388.45	38,965.54	40,051.58	34,718.72	11,942.10	29,267.53	30,319.21	30,820.97	28,511.13	396,022.29

2000
CITY OF MEMPHIS
BFI LANDFILLED SOLID WASTE

MONTH	WK. DAYS	BFI SO.	SO. DEMO	BFI NO.	TOTAL
JANUARY	21	10,443.23	8.25	12,428.11	22,879.59
FEBRUARY	21	8,224.50	22.50	10,912.34	19,159.34
MARCH	23	12,102.17	82.25	14,971.37	27,155.34
APRIL	20	10,896.32	63.25	12,971.38	23,930.95
MAY	23	13,253.54	13.75	15,077.18	28,344.47
JUNE	22	11,585.12	2.75	13,706.46	25,294.33
JULY	20	10,630.41	24.75	12,175.35	22,830.51
AUGUST	23	10,065.97	60.50	12,951.46	23,077.93
SEPTEMBER	21	8,745.44	33.00	10,850.10	19,628.54
OCTOBER	22	9,366.80	43.25	11,769.42	21,179.47
NOVEMBER	22	9,545.76	37.75	11,803.00	21,386.51
DECEMBER	21	9,761.93	31.75	10,292.21	20,085.89
TOTAL	260	124,621.19	423.75	149,908.38	274,953.32

CURBSIDE RECYCLING: TONNAGE

(CALENDAR YEAR JAN. - DEC.)
(Month Reporting : December 2000)

<u>MONTH</u>	<u>YEAR</u>	<u>TONS</u>	<u>WORK DAYS</u>	<u>AVG TONS/DAY</u>
JANUARY	2000	621.56	17	36.56
	1999	633.24	18	35.18
	1998	812.31	15	54.15
	1997	563.37	15	37.55
FEBRUARY	2000	658.38	21	31.35
	1999	565.51	20	28.27
	1998	623.28	20	31.16
	1997	434.05	20	21.70
MARCH	2000	720.88	23	31.34
	1999	704.75	23	30.64
	1998	614.08	22	27.91
	1997	364.27	15	24.28
APRIL	2000	581.64	16	36.35
	1999	704.45	18	39.14
	1998	659.60	22	29.98
	1997	681.01	22	30.95
MAY	2000	708.60	21	33.74
	1999	687.13	20	34.35
	1998	500.92	16	31.30
	1997	565.74	17	33.27
JUNE	2000	746.80	22	33.94
	1999	739.76	21	35.22
	1998	710.68	22	32.30
	1997	862.49	21	41.07
JULY	2000	578.43	19	30.44
	1999	619.06	20	30.95
	1998	636.63	20	31.83
	1997	749.10	19	39.42
AUGUST	2000	682.67	23	29.68
	1999	643.53	22	29.25
	1998	618.72	21	29.46
	1997	699.38	21	33.30

(See next page)

CURBSIDE RECYCLING TONNAGE (CONTINUED)

<u>MONTH</u>	<u>YEAR</u>	<u>TONS</u>	<u>WORK DAYS</u>	<u>AVG. TONS/DAY</u>
SEPTEMBER	2000	597.20	**21	28.43
	1999	632.34	20	31.61
	1998	590.65	*20	29.53
	1997	680.49	17	40.02
OCTOBER	2000	650.39	22	29.56
	1999	590.75	21	28.13
	1998	589.47	22	26.79
	1997	719.35	23	31.27
NOVEMBER	2000	691.63	22	31.43
	*** 1999	588.81	17	34.63
	1998	487.30	16	30.45
	1997	473.90	15	31.59
DECEMBER	2000	659.29	21	31.39
	1999	695.01	19	36.57
	1998	731.30	16	45.70
	1997	626.42	15	41.76

Year to date

<i>Total</i>	2000	7,897.47	248	31.84
	1999	7,804.34	240	32.51
	1998	7,574.94	232	32.65
	1997	7,419.57	220	33.72

** September 2000 (Labor Day) a new holiday recycling schedule began which provides for recycling for all days during holiday weeks.

* September 1998 (Labor Day) a new holiday recycling schedule was implemented which added three recycling days to weeks containing one (1) holiday. Weeks with two holidays, like Thanksgiving week, no recycling all week.

***November 27, 2000 - The Curbside Cash Giveaway, contest, began. Runs till week of November 16, 2001.

CITY OF MEMPHIS
2000
APPLIANCE/METAL RECYCLED

MONTH	LEVEE RD (BELLEVUE)	DEMOCRAT & BROOKS	SCOTT	EARTH COMPLEX, CART CENTRAL	TOTAL TONS	\$
JANUARY	0	0	0	0	0	0
FEBRUARY	13.12	0	0	0	13.12	\$629.76
MARCH	7.88 2.75	0	0	2.91	13.54	\$600.73
APRIL	0	0	0	0	0	0
MAY	0	0	0	0	0	0
JUNE	21.85	0	0	0	21.85	\$721.05
JULY	0	0	0	0	0	0
AUGUST	14.08	0	0	0	14.08	\$543.84
SEPTEMBER	10.82	0	0	0	10.82	\$357.06
OCTOBER	0	0	0	4.36	4.36	0
NOVEMBER	0	0	0	0	0	0
DECEMBER	0	0	0	0	0	0
TOTAL	70.50	0	0	7.27	77.77	\$2,852.44

CITY OF MEMPHIS
2000
CITY HALL RECYCLING

	PAPER			ALUMINUM CANS		
	LBS.	TONS		LBS.	TONS	TOTAL
JANUARY		4.50		10	.0050	4.51
FEBRUARY		3.22		6	.0030	3.22
MARCH		2.82		10	.0050	2.83
APRIL		.85		23	.0115	.86
MAY		.71		18	.0090	.72
JUNE		1.82		14	.0070	1.88
JULY		1.27		11	.0055	1.28
AUGUST		1.14		15	.0075	2.42
SEPTEMBER		.97		0	0	.97
OCTOBER		1.47		30	.0150	1.49
NOVEMBER		1.70		0	0	1.70
DECEMBER		2.16		19	.0095	2.70
TOTAL		22.67		156	.0780	24.58

CITY OF MEMPHIS
2000
REBOOK
TELEPHONE BOOK RECYCLING

MONTH	ITEM	NO. OF BOOKS	TONS
JANUARY	Yellow Pages	62,953	94.43
JULY	White Pages	13,176	16.47
Total		76,129	110.90

Note: Yellow pages = approximately 3.0 lbs./ea.
White pages = approximately 2.5 lbs./ea.

CITY OF MEMPHIS
2000
YARDWASTE DIVERSION

FACILITY: Mulch Works(Shelby Dr.)

MONTH	NO. OF LOADS	CUBIC YARDS	EST. TONS
JANUARY	0	0	0
FEBRUARY	29	696	174
MARCH	28	704	176
APRIL	22	528	132
MAY	118	2,839	709.75
JUNE	110	2,639	659.75
JULY	86	2,200	550
AUGUST	83	2,192	548
SEPTEMBER	77	1,992	498
OCTOBER	125	3,342	835
NOVEMBER	56	1,416	354
DECEMBER	33	792	198
TOTAL	767	19,340	4,834.50

CITY OF MEMPHIS
2000
CLASS III & IV LANDFILL REPORT

FACILITY: JIMMY T. WOOD

MONTH	BOB LOADS	CUBIC YARDS	EST. TONS
JANUARY	406	8,720	2,180
FEBRUARY	375	8,020	2,005
MARCH	564	12,120	3,030
APRIL	539	3,260	815
MAY	589	12,300	3,075
JUNE	1,151	26,626	6,656.50
JULY	731	15,666	3,916.50
AUGUST	485	10,340	2,585
SEPTEMBER	561	12,780	3,195
OCTOBER	489	10,300	2,575
NOVEMBER	396	8,520	2,130
DECEMBER	545	4,560	1,140
TOTAL	6,831	133,212	33,303

CITY OF MEMPHIS
2000
BRUSH TO EARTH COMPLEX, BELLEVUE, & PENAL FARM

	EARTH COMPLEX		BELLEVUE		PENAL FARM		TOTAL	
	CU. YARDS	TONS	CU. YARDS	TONS	CU. YARDS	TONS	CU. YARDS	TONS
JANUARY	4,232	1,058	6,924	1,731	8,080	2,020	19,236	4,809
FEBRUARY	3,944	986	6,452	1,613	7,528	1,882	17,920	4,480
MARCH	4,752	1,188	7,780	1,945	9,076	2,269	21,608	5,402
APRIL	5,216	1,304	8,536	2,134	9,960	2,490	23,716	5,929
MAY	5,392	1,348	8,824	2,206	10,292	2,573	24,508	6,127
JUNE	5,856	1,464	9,580	2,395	11,180	2,795	26,616	6,654
JULY	6,028	1,507	9,868	2,467	11,512	2,878	27,408	6,852
AUGUST	5,044	1,261	8,256	2,064	9,628	2,407	22,928	5,732
SEPTEMBER	4,699	1,174	7,684	1,921	8,968	2,242	21,348	5,337
OCTOBER	4,464	1,116	7,304	1,826	8,524	2,131	20,292	5,073
NOVEMBER	4,176	1,044	6,832	1,708	7,968	1,992	18,976	4,744
DECEMBER	4,176	1,044	6,832	1,708	7,968	1,992	18,976	4,744
TOTAL	57,979	14,494	94,872	23,718	110,684	27,671	263,532	65,883

NOTE: The above figures are quantified estimates of loose brush and limited compacted brush only. Bagged leaves are not included (see Leaves to Earth Complex). Tonnage is based on State of Tennessee ratio of four cubic yards to one ton.

CITY OF MEMPHIS
2000
CLASS III & IV LANDFILL REPORT

FACILITY: BFI SOUTH SHELBY

MONTH	BOB LOADS	CUBIC YARDS	EST. TONS
JANUARY	73	1,752	438
FEBRUARY	15	372	93
MARCH			
APRIL			
MAY			
JUNE			
JULY			
AUGUST			
SEPTEMBER			
OCTOBER			
NOVEMBER			
DECEMBER			
TOTAL	88	2,124	531

2000

LEAVES TO EARTH COMPLEX AND PENAL FARM

11/8/00 - 3/5/01

1999 totals in ()

	<u>#PACKERS</u>	<u>#BOBS</u>	<u>#TRAILERS</u>	<u>TOTAL CU. YDS.</u>
SCOTT	265 (261)	542 (132)	0	20,175 (9,825)
DEMO	173 (191)	211 (0)	0	9,600 (4,775)
BROOKS	64 (84)	0	0	1,600 (2,100)
BEL/MID	<u>0 (2)</u>	<u>0</u>	<u>30 (34)</u>	<u>2,250 (2,100)</u>
Total	502 (536)	753 (132)	30 (34)	33,625 (19,252)

NOTES:

1. One can only speculate as to the exact compaction ratio of leaves (in individual packers and transfer trailers). TDEC has indicated that a 4:1 ratio be used for calculating yard waste/brush in determining tonnage. Therefore, we are using the same 4:1 ratio to determine the loose cubic yardage from compaction, which would result in 78,025 loose cu. yds.

2. The exact tonnage ratio of loose leaves and compacted leaves per ton is very difficult to determine, however, the following are two possible ways to report, which would be conservatively accurate. Again, the 4:1 ratio is being used to report to TDEC.

Estimated tonnage: 33,625 (compacted & loose) cu. yds at 4:1 ratio = 8,406.25 tons

78,025 (loose) cu. yd. at 8:1 ratio = 9,753.12 tons

3. 14,373 cu. yd. increase vs. 1999

4. Collection period(s):

1999 collection dates: Nov. 10, 1999 - Feb. 18, 2000 (100 days)

2000 collection dates: Nov. 8, 2000 - Feb. 28, 2001 (112 days)

City of Millington

Public Works Department
4701 Biloxi Avenue
Millington, Tennessee 38053
(901) 873-5650

Jack Huffman, Director

Jeff Watts, Streets Supervisor
Rodney Stanback, Sanitation Supervisor
Jimmy Cullum, Shop Manager
Dana Crouch, Clerical Specialist

January 30, 2001

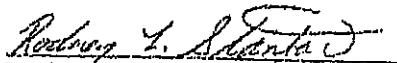
Shelby County Municipal Solid Waste Planning Board
Attn: Andy Ashford, Secretary
125 North Main Street, Rm. 628
Memphis, TN 38103-2090

Re: Explanation of Millington Solid Waste Reduction in 2000

The City of Millington offers to its citizens two locations for recycling of paper. One located at the Public Works facility, the other at the Millington High School. We also offer a recycling bin for aluminum, tin and plastic, located at the Public Works facility. The City offers three locations for cardboard drop off. We pick up cardboard at several local businesses to help reduce their waste. The City offers a tire collection program for local businesses and curbside tire collection for residents. These tires are taken to Memphis for shredding. The City has a used oil drop off site located at the Public Works facility, available to local residents. We recycled 1.5 tons of used oil in the year 2000. The City offers curbside loose leaf collection. These leaves are offered to residents, farmers, and sod fields. All leaves are diverted from the landfill. Tree limbs and other yard debris is also diverted from the landfill. It is taken to Edmund Orgil back fill area.

The City of Millington is gaining knowledge and experience in Solid Waste Reduction and Recycling Activities. In doing so, more ideas for reduction of waste taken to landfills and increased recycling will be implemented.

Sincerely,



Rodney L. Stanback,
Sanitation Supervisor

RLS:dc



Shelby County Tennessee

Jim Rout, Mayor

February 8, 2001

Mr. Andy Ashford, Administrator
Memphis City Bureau of Solid Waste Management
125 N. Main, #628
Memphis, TN 38103

Dear Andy:

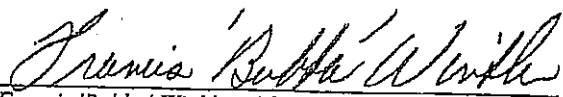
The Honorable Mayor Jim Rout and Shelby County Government know the importance of the 25% goal of solid waste reduction. The Mayor has assigned this important task to the Shelby County Environmental Improvement Commission, which has implemented many different programs to reach this goal. Aware that Americans collectively create about 209 million tons of garbage per year, with the help of Francis 'Bubba' Winkler, Administrative Assistant, the S.C.E.I.C. hopefully reached the 25% reduction goal.

Following are some of the ways the goals was accomplished:

- 1) The Litter and Solid Waste crew collected 4,375.80 tons this past year compared to the 1,492.97 tons collected in 1999. A special clean-up project of illegal dumpsites in May and June account for 2,326.38 of these tons.
- 2) The Litter crews walked a total of 6,805.8 miles of county roads.
- 3) The Litter crews handled and investigated a combined total of 609 complaints and illegal dumpsites.
- 4) In the 1999 ReBook Campaign, the County Schools collectively recycled 88.04 tons of outdated yellow pages compared to last year's 99.03 tons.
- 5) The S.C.E.I.C. also has a program that recycles scrap metals, which brought in a total of 86 tons.
- 6) Working with Memphis Recycling Center, the S.C.E.I.C. collected over 25,298.22 tons of wood products this year compared to the 23,156.55 tons collected in 1999.
- 7) Household Hazardous Waste was again successful gathering 16.74 tons in May and 44.31 in October for a total of 61.05 tons. We have already begun preparations for the 2001 HHW Collection event to be held in May.
- 8) The S.C.E.I.C. publishes a newsletter and provides to the media news releases in order to educate the public, teachers and students about the importance of "Reduce, Reuse, Recycle".

These are just some of the many ways we are working to reach our 25% reduction goal and to keep Shelby County a beautiful, green place to live.

Submitted by:


Francis 'Bubba' Winkler, Administrative Assistant
Shelby County Environmental Improvement Commission

S.C.E.I.C.

1075 Mullins Station Rd., Memphis, Tennessee 38134
(901) 387-5705 • FAX (901) 387-5741 • Email: SCEIC@bellsouth.net
"Serving the citizens of Shelby County since 1819"

APPENDIX F

**PUBLIC MEETING/PUBLIC HEARING OF THE FIVE-YEAR UPDATE
OF THE SHELBY COUNTY MUNICIPAL SOLID WASTE REGIONAL PLAN**

TABLE F-A

PUBLIC NOTICE ADVERTISING
THE PUBLIC MEETING/PUBLIC HEARING

MEMPHIS, FRIDAY, DECEMBER 22, 2000

THE COMMERCIAL APPEAL

Legal/Public
Notices

526

PUBLIC NOTICE

The Shelby County Municipal Solid Waste Planning Board will hold a public meeting and hearing January 25, 2001 in the board room of the Agrilcenter International at 7777 Walnut Grove Rd. At 3:00 p.m., a public meeting will be held at which time the Region's 5 Year Solid Waste Plan will be presented. Questions regarding the plan will be discussed at that time. Immediately following the public meeting, a formal public hearing will be held to receive comments regarding the 5 Year Plan. A copy of the 5 Year Plan is available for review at the Memphis/Shelby County Main Library, located at 1850 Peabody or at Memphis City Hall, 125 N. Main, Room 628. Written comments must be mailed to the following address before January 25th.

Andy Ashford, Board
Secretary, Solid Waste
Planning Board
125 N. Main, Room 628
Memphis, TN 38103
(phone: 576-6888)

A regular session of the Board
will be held immediately
following the hearing.

TABLE F-B

**LIST OF ATTENDEES
AT THE PUBLIC MEETING/PUBLIC HEARING**

TABLE F-C

SUMMARY OF COMMENTS RECEIVED AT THE PUBLIC MEETING/PUBLIC HEARING

PUBLIC MEETING

3:00 p.m., January 25, 2001

Agricenter International, 7777 Walnut Grove Road, Memphis, Tennessee

Andy Ashford, Secretary of the Shelby County Municipal Solid Waste Regional Board, presided in place of Solid Waste Board Chairman Paul Patterson and Vice-Chairman Sam Beach who were unable to attend.

Jeff Reece, Principal Planner with the Memphis and Shelby County Division of Planning and Development, presented a summary of Shelby County's Five-Year Update.

Mr. Ashford asked if there were any questions or comments.

Question: What is the difference between a qualitative assessment and a quantitative assessment of waste reduction measures?

Mr. Reece explained the difference as it relates to the Five-Year Update.

Question: What are the sources of waste from outside the county?

Mr. Ashford said there are various sources. Local haulers and landfill operators normally provide this information to the Board.

Mr. Reece said that it appears the State is looking more closely at the sources of out-of-region waste.

There were no other questions or comments and the Public Meeting concluded.

PUBLIC HEARING

3:30 p.m., January 25, 2001

Agricenter International, 7777 Walnut Grove Road, Memphis, Tennessee

Mr. Ashford presided.

Mr. Ashford asked those in attendance to sign the attendance log and explained that the Public Hearing was being tape recorded.

Mr. Ashford asked if there were any questions or comments regarding the Five-Year Update as presented by Mr. Reece in the preceding Public Meeting or as provided in copies of the draft update report distributed earlier.

Sue Williams, Vice-Chair of the Chickasaw Group of the Tennessee Chapter of the Sierra Club, distributed copies of a letter addressed to Mr. Ashford, as Secretary of the Board, from Don Richardson, Chair of the Chickasaw Group. The letter urged the Solid Waste Board to consider initiating monthly household hazardous waste collection days in the metropolitan area, supporting statewide container deposit legislation, and printing recycling education materials in Spanish.

There were no other questions or comments and the Public Hearing concluded.

APPENDIX G

**LETTER OF APPROVAL OF THE FIVE-YEAR UPDATE
FROM THE MEMPHIS AND SHELBY COUNTY
DIVISION OF PLANNING AND DEVELOPMENT**

Memphis and Shelby County
Division of Planning and Development

February 19, 2001

Mr. Paul Patterson
Chairman
Shelby County Municipal Solid Waste Regional Board
125 North Main Street, Room 628
Memphis, TN 38103

Dear Mr. Patterson,

As required by the Solid Waste Management Act of 1991, T.C.A. 68-211-814(b)(6), the Memphis-Shelby County Division of Planning and Development has received a copy of the Board approved Five-Year Solid Waste Plan Update. This plan is the mid-course adjustment to the original Ten-Year Plan approved by the Tennessee Department of Environment and Conservation in 1995. We appreciate the hard work the Board has exerted in getting this revised plan prepared and presented to the public.

The law requires the Update Plan be reviewed by the local planning commission to see if they have additional comments. Under the current structure, this Division serves as the local planning body for the jurisdiction of your Board. Following our review, the Shelby County Board of Commissioners must still approve the plan before submittal to the Tennessee Department of Environment and Conservation.

Our Office has been kept informed of developments by the staff throughout the preparation of this update. Recognizing the quality of the effort that has been put forth, we have reviewed the update and have no additional comments on the plan. It has been prepared using TDEC's 1999 guideline document, and appears to meet the requirement for such updates. We do recognize the challenge faced by the County and Board to meet the new 25% reduction requirement, based on 1995 disposal levels, by 2003 established in the 1999 Amendment to the Solid Waste Management Act. This update's recommendations are a good starting point for those efforts.

If you need further clarification on this review, please do not hesitate to call me at 545-4886 or Carter Gray at 379-7845.

Sincerely,



Louise Mercurio
Interim Director,
Division of Planning and Development

APPENDIX H

**SHELBY COUNTY RESOLUTION
APPROVING THE FIVE-YEAR UPDATE**

Item # 28

Prepared by GRAY/REECE

Commissioner WELLFORD

Approved by Wally Rayne Craft
County Attorney

A RESOLUTION OF THE BOARD OF COMMISSIONER OF SHELBY COUNTY
APPROVING THE FIVE-YEAR UPDATE
OF THE SHELBY COUNTY MUNICIPAL SOLID WASTE REGIONAL PLAN

WHEREAS, The 97th Tennessee General Assembly enacted T.C.A. 68-211-801 et seq. titled "Solid Waste Management Act of 1991"; and

WHEREAS, The act required that municipal solid waste regions be established throughout the state to institute and maintain a comprehensive, integrated, state-wide program for solid waste management; and

WHEREAS, The County of Shelby, including the municipalities therein, was established as a municipal solid waste region; and

WHEREAS, Each region was charged with establishing a municipal solid waste regional board to administer the activities of the region and to develop a municipal solid waste regional plan; and

WHEREAS, Shelby County's Board of County Commissioners established the Shelby County Municipal Solid Waste Regional Board in 1992; and

WHEREAS, The Shelby County Municipal Solid Waste Regional Board prepared the Shelby County Municipal Solid Waste Regional Plan to help protect the environment, provide an improved solid waste management system, better utilize natural resources, and promote the education of the citizens of Shelby County in the area of solid waste management; and

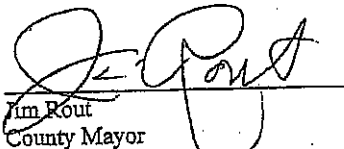
WHEREAS, Shelby County's Board of County Commissioners approved the provisions of the plan in 1994; and

WHEREAS, The State of Tennessee approved the plan in 1995; and

WHEREAS, The State of Tennessee directed the Shelby County Municipal Solid Waste Regional Board to prepare a five-year update of the plan; and

WHEREAS, The State of Tennessee requires documentation that Shelby County's Board of County Commissioners has approved the five-year update.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF SHELBY COUNTY, TENNESSEE, That the Board hereby approves the provisions of the Five-Year Update of the Shelby County Municipal Solid Waste Regional Plan.



Jim Rout
County Mayor

Date 4-25-01

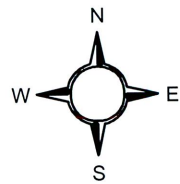
ATTEST:


Clerk of County Commission

ADOPTED APRIL 23, 2001

FIGURE 1-A

Solid Waste Facilities and Programs in the Shelby County Region



3 0 3 Miles

Map Prepared January 25, 2001
Memphis and Shelby County Division of Planning and Development

