

Routing Page
Solid Waste Planning Region
5 - YR Update

Planning Region: Stewart, Montgomery & Robertson 63

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 Mr. Shawn Winter
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? 6/21/01
Continue to question.
8. What is the deadline for the review (i.e., 90 working days from received stamp)? 8/23/2001
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 "5YrUpdtInmrg." 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 6/28/01 Reviewer's initials BSM
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

April 2, 2002

Mr. Joe Creek, Chairman
Stewart-Montgomery-Robertson Municipal S/W Planning Region *63*
912 Lafayette Road
Clarksville, TN 37042

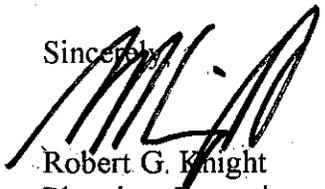
Dear Mr. Creek:

The requested information concerning the *Five-Year Update* to the Smith-Montgomery-Robertson MSW Planning Region's Solid Waste Plan was received from Mr. Shaun Winter of ENSAFE on April 1, 2002. The information has been reviewed by division staff and the solid waste plan update is hereby approved. Thank you very much for responding to this request.

This revised plan is intended to serve as a guide 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 Report and the next Five-Year Update.

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

Sincerely,


Robert G. Knight
Planning, Reporting, and Waste Reduction

Copy: The Honorable David Wallace, Stewart County Executive
The Honorable Douglas Weiland, Montgomery County Executive
The Honorable Roy A. Apple, Robertson County Executive
Mr. Pete Reed, Bi-County Solid Waste Director
Mr. Randy Pugh, Robertson County Solid Waste Director
Mr. Shaun Winter, Consultant, ENSAFE, Inc.
Mr. Phil Armor, Solid Waste Advisor, Greater Nashville Regional Council
Mr. Mike Stooksberry, Solid Waste Consultant, CTAS
Mr. Charles Jobe, EC, Nashville Environmental Assistance Center



ENSAFE INC.

ENVIRONMENTAL AND MANAGEMENT CONSULTANTS

220 Athens Way, Suite 410 • Nashville, Tennessee 37228 • Telephone 615-255-9300 • Facsimile 615-255-9345 • www.ensafe.com
March 29, 2002

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



Re: **Five Year Update Plan for the SMR Region** 63

Dear Mr. Knight:

On behalf of the SMR Regional Planning Board this letter is to provide additional information requested in a June 28, 2001 letter from the Division of Community Assistance. A copy of that letter is attached for reference.

Chapter 1-Summary

The summary requested an implementation schedule that illustrates current and planned facility programs through the coming ten-year horizon. Attached are the implementation schedules for the SMR region. An implementation schedule is not included for Greenbrier as the only solid waste activity sponsored in the city is contracted collection activities. New collection contractors are selected every five years. The collection is funded solely with user fees.

Chapter 2-General Information

The region recognizes that future regional solid waste board members should be appointed for a period of six years.

Chapter 2.11 asks for descriptions of costs and revenues involved in public funding for the region. This has been provided in the original plan submittal for Stewart, Montgomery and Robertson Counties. However, the cities of Greenbriar, White House and Springfield have separate operating budgets for solid waste activities. Attached are the costs and revenues for those cities.

Chapter 5 – Recycling

Chapter 5.3 asks for a description of progress and setbacks in recycling and reduction efforts; successes and failures in marketing, together with principal end-users; and anticipated changes and/or assistance in marketing. Do jurisdictions within the region cooperate on marketing efforts? Describe assistance needed by the counties and their programs. Include plans for additional recycling, reduction, or end-use programs of which you are aware. The SMR region is requested to provide more details on each of these items.

The Region has made considerable progress towards increasing recycling, composting, and waste diversion. Since programs were first initiated in the early 90s, the Region has increased diversion and recycling from 32,739 tons in 1995 to 120,080 tons in 2000.

Although the market for some recyclables has decreased over the past few years, Bi-County (Montgomery and Stewart) continues to identify revenue generating markets. Bi-County markets in bulk through the spot market, with the efforts of a full time recycling coordinator. Bi-County has found that by utilizing multiple brokers, markets can be found for undesirables by combining those items hard to market with the much more lucrative ones. The ability to segregate and bulk the materials increases the market price and also enhances the ability to market less desirable materials. Even though the cost for collecting and handling recyclables is significantly greater than the revenues generated, the Region recognizes the benefits associated with environmentally sound waste reduction within the Region.

Jurisdictions within the Region work together in their marketing efforts. At the board meetings, the members share their ideas and concerns regarding end markets and discuss ways to resolve their marketing problems.

Additional budgetary assistance is needed by the Region for the recycling programs. Two of the recycling programs were scaled back due to budget cuts: the frequency of the household hazardous waste collection and the tire recycling program. Bi-County had to stop accepting tires from outside the region due to the budget cuts. There is concern that even though the tire recycling program is funded by the tire disposal fee paid by consumers, these funds were reduced along with the rest of the state's budget cuts.

At this time, plans for additional recycling programs include the future addition of another "Adopt a School" partnership in Montgomery County and the purchase of a new recycling trailer in White House.

Chapter 7 – Problem Wastes

The 5 Year Update previously submitted erroneously stated that Bi-County Landfill provides a permanent collection point for household hazardous waste for the Region. There is not a permanent collection point for household hazardous waste. Household hazardous waste collection is conducted twice per year.

Chapter 8 – Solid Waste Education

Chapter 8.2 asks for a description of outstanding needs in public solid waste education, progress made and efforts planned, need for public information, need for state and technical agencies assistance, whether education action plan files or not, and whether use has been made of the Division of Community Assistance's book, "Pathways to Education". The SMR Region is requested to provide more details for each of these items.

The Region continues to build upon its existing programs and is not aware of significant outstanding needs in its public solid waste education program. The education program has

helped to significantly reduce the amount of waste placed into the Class I landfills. Many of the recycling programs in the Region were begun in the early nineties and have continued to expand. Additional emphasis will be placed on methods to improve source reduction and conservation.

The Region has not filed for an education action plan. The Pathways to Education Book has been reviewed.

Chapter 9 – Flow Control and Permit Review

Chapter 9.1 in the submitted 5-Year update was unclear as the Region's attempt at flow control. To clarify, there is no attempt at controlling flow of wastes into or out of the Region.

If you have any questions regarding the information contained within the report please feel free to contact me at 615-255-9300 or by e-mail at swinter@ensafe.com.

Sincerely,



Shaun A. Winter
Project Manager

pc: Joe L. Creek SMR Board Chairman
Douglas Weiland Montgomery County Executive
David Wallace Stewart County Executive
Roy Apple Robertson County Executive
Betty Gibbs Member, Stewart County
Gene E. Cook Member, Robertson County
David Haines Member, City of Clarksville
Walton Plummer Member, Cities of White House, Greenbrier and Springfield
Pete Reed Director, Bi-County Solid Waste Management System and Education
Director for the Region
Randall Pugh Director, Robertson County Solid Waste Department
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

June 28, 2001

Mr. Joe Creek, Chairman
Stewart-Montgomery-Robertson Municipal S/W Planning Region
912 Lafayette Road
Clarksville, TN 37042

Dear Mr. Creek:

The Five-Year Update to the Stewart-Montgomery-Robertson MSW Region's Ten-Year Solid Waste Plan has been reviewed and, while most of the information provided is complete and adequate, there are some items requiring additional information or clarification. The following comments are provided based upon this review and other relevant documents and requirements:

CHAPTER 1-SUMMARY

Chapter 1 requires an implementation schedule illustrating current and planned facilities and programs through the coming ten-year horizon.

CHAPTER 2-GENERAL INFORMATION

Chapter 2.3 concerns regional solid waste board members and their terms. **Please note that, in the future, all terms shall be appointed for a period of six (6) years.**

Chapter 2.11 asks for a description of **costs and revenues** involved in public funding for solid waste programs in the region. **You must consider capital cost considerations, staffing requirements, and operating expenses for each county and participating city in the region.**

CHAPTER 5-RECYCLING

Chapter 5.3 asks for a description of progress and setbacks in recycling and reduction efforts; successes and failures in marketing, together with principal end-users; and anticipated changes an/or assistance in marketing. Do jurisdictions within the region cooperate on marketing efforts? Describe assistance needed by the counties and their programs. Include plans for additional recycling, reduction, or end-use programs of which you are aware. **Please give more details on each of these items.**

Mr. Joe L. Creek
June 30, 2001
Page 2

CHAPTER 7-PROBLEM WASTES

Chapter 7.2 states that the Bi-County Landfill provides a permanent collection point for household hazardous waste for the region. **Please provide details for this site, including permit number, date opened, volumes collected, disposition of materials, etc.**

CHAPTER 8-SOLID WASTE EDUCATION

Chapter 8.2 asks for a description of outstanding needs in public solid waste education, progress made and efforts planned, need for public information, need for state and technical agencies assistance, whether education action plan files or not, and whether use has been made of the Division of Community Assistance's book, "Pathways to Education". **Please provide more details for each of these items.**

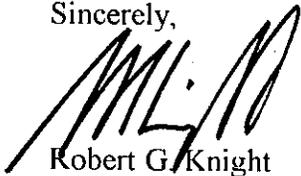
CHAPTER 9-FLOW CONTROL and PERMIT REVIEW

Chapter 9.1 is unclear as to region's attempt at flow control. **Please elaborate on those efforts.**

Please consider that, in addition to the comments included here, other information may be necessary in preparing a meaningful update to the region's solid waste plan. Feel free to include all information that you feel best describes the region.

Response to these comments should reach this office by September 30, 2001. If you have questions or need assistance, please contact me by phone at (615) 532-0082 or e-mail to: bknight@mail.state.tn.us

Sincerely,



Robert G. Knight

cc: The Honorable David Wallace, Stewart County Executive
The Honorable Douglas Weiland, Montgomery County Executive
The Honorable Roy A. Apple, Robertson County Executive
Mr. Pete Reed, Bi-County Solid Waste Director
Mr. Randy Pugh, Robertson County Solid Waste Director
Mr. Phil Armor, Solid Waste Advisor, Greater Nashville Regional Council
Mr. Mike Stooksberry, Solid Waste Consultant, CTAS
Mr. Charles Jobe, EC, Nashville Environmental Assistance Center
Mr. Shaun Winter, Consultant, ENSAFE, Inc.

Stewart & Montgomery (MIR Region) Solid Waste Program Implementation Schedule

ACTIVITY	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Waste Disposal/Landfill Operations												
Class I New Cell Buildout												
Obtain new property for additional Class I material												
Obtain new property for cover material												
Close-out existing Class I												
Collection												
New convenience centers constructed												
Upgrade existing convenience centers												
Waste Reduction Programs												
Household hazardous waste collection events (went to 1/yr due to state funding cuts)												
Establish more drop off recycling locations												
Establish a clean wood waste recycling program (create mulch)												
Waste tire recycling program- (stopped accepting from outside counties due to state budget cuts)												
Office paper recycling program creation, operation and expansion												
Backyard composting program (give away composters)												
Tire to trails (Xmas tree chipping program) (dropped at Dunbar cave- budget cuts may affect)												
Establish school office paper recycling program												
Expand school office paper recycling program												
Expand school cardboard recycling program												
Expand waste reduction program for commercial and industrial establishments												
Ban cardboard disposal in Class I Landfill from county operated collection programs												
Ban clean woodwaste from disposal in Class I landfills from county operated collection programs												
Ban yardwaste disposal in Class I landfill from county operated collection programs												
Solid Waste Education												
Billboard advertisement												
Anti-Litter program (Sheriff's department) community service from sentencing procedures												
Adopt a Highway												
Montgomery county school education program												
Initiate radio advertisements												
Adopt a School Partnership program												
Montgomery County school recycling revenue sharing												
College education seminars												
Solid Waste Funding												
User fees (Montgomery, Stewart counties)												
Litter grant program												

Robertson County (Sixth Region) Solid Waste Program Implementation Schedule

ACTIVITY	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Waste Disposal/Landfill Operations												
Obtain property to expand Class I permit	1998											
Plans completed for possible future expansion												
Re-bid Waste Disposal contract												
Collection												
New convenience centers constructed (year depends upon budget)												
Upgrade / relocate one existing convenience center (year depends upon budget)												
Waste Reduction Programs												
Household hazardous waste collection events-increase from 1/year to 2/year												
Establish more drop off recycling locations (with 2 new convenience centers-yr budget dependent)												
Maintain clean wood waste recycling program												
Waste tire recycling program- tighten outside county flow due to state budget cuts												
Establish anti-litter program-make littering criminal act												
Establish a reward program for litter reporting												
Expand school office paper recycling program												
Expand school cardboard recycling program												
Identify more commercial and industries for recycling programs												
Solid Waste Education												
Anti-Litter program (Sheriff's department)-as part of community service sentencing												
Adopt a Highway												
School education program												
School recycling revenue sharing program												
Solid Waste Funding												
County property taxes												
Litter grant program												

White House, TN (SM...Region) Solid Waste Program Implementation Schedule

ACTIVITY	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Waste Disposal/Landfill Operations												
No Disposal or landfill operations-waste taken to Robertson County transfer station												

Collection												
Purchase additional trucks												
Purchase additional recycling trailer												

Waste Reduction Programs												
Maintain a curbside recycling program												
Maintain current clean wood waste recycling program--mulch provided free to residents												
Waste tire recycling program- accept tires and haul to Robertson county transfer station												
Maintain school cardboard recycling program												

Solid Waste Education												
Advertise in a newsletter every three months												
Television advertising												
Anti-litter signs within city												
Beautification award program												

Solid Waste Funding												
City taxes												
User fees												

Springfield, TN (SMH region) Solid Waste Program Implementation Schedule

ACTIVITY	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Waste Disposal/Landfill Operations												
Landfill Closure Monitoring												

Collection

Purchase additional trucks												
Provide curbside service to residents												

Waste Reduction Programs

Waste tire recycling program- (carry to transfer station Robertson County)												
Waste oil collection location for Springfield residents												
Brush pickup (brush carried for chipping to Robertson County transfer station)												

Solid Waste Funding

User fees												
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Greenbrier, TN (SMR region) Solid Waste Program Implementation Schedule

ACTIVITY	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Collection												
Contract new haulers												

Robertson County Municipality Budget

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
White House, TN Ten Year Budget												
Funding (user's fees)	229950	300549	300000	325000	350000	375000	400000	425000	450000	475000	500000	525000
Expenditures	247826	243451	263000	283000	303000	323000	343000	368000	388000	408000	438000	468000
Revenue	-17876	57098	37000	42000	47000	52000	57000	57000	62000	67000	62000	57000

Greenbrier, TN Ten Year Budget												
Funding (user's fees & taxes)		248455	260087	273921	287617	301998	317698	332953	349601	367281	385435	404707
Expenditures		238530	252456	262999	276128	289934	304431	319653	335635	352417	370038	388546
Revenue		9925	7631	10922	11489	12064	13267	13300	13966	14864	15397	16161

Springfield, TN Ten Year Budget												
Funding (user's fees & int.)	763462	703107	722100	936100								
Expenditures	675440	745447	841498	947074								
Revenue	88022	-42340	-119398	-10974								
NOTE: See Attached Budget												



CITY OF SPRINGFIELD

Public Works Department
Street • Sanitation • Vehicle Maintenance

2809 Clinard Drive
SPRINGFIELD, TN 37172
Telephone (615) 384-2746
Fax (615) 382-2205

COMPARATIVE REVENUE ANALYSIS
BY FUND
SANITATION FUND

REVENUE	FY 99 ACTUAL	FY 2000 ACTUAL	CURRENT YEAR	
			PROJECTION FY 2000-2001	FY 2002 BUDGET
Refuse Collection Charges	644,221	661,794	689,000	745,000
Penalties Added to Billing	7,102	7,265	5,600	5,600
Sale of Carts				
Checking Accounts	1,013	1,504	1,000	1,000
TML Investment Interest	16,126	19,732	10,000	15,000
Misc. Income				
Sale of Notes				
Transfer From General Fund				
Transfer From Capital Reserve Fund	95,000	12,812	16,500	169,500
FUND TOTAL	763,462	703,107	722,100	936,100
Less:				
Expenditures:	(675,440)	(745,447)	(841,498)	(947,074)
Sub-Total	88,022	(42,340)	(119,398)	(10,974)
BEGINNING BALANCE	406,319	494,341	452,001	332,603
YEAR END BALANCE	494,341	452,001	332,603	321,629

FUND: Enterprise Fund
 DEPARTMENT: Public-Works - Sanitation

PROGRAM DESCRIPTION

The Sanitation Department provides residential and small commercial refuse service and brush/junk removal. Approximately 5,320 residential and small commercial customers are served by the refuse service. The department provides residents with once a week service for solid waste. Brush and junk pick-up is provided on a five (5) day work week schedule.

EXPENDITURES

	ACTUAL 1998-1999	ACTUAL 1999-2000	BUDGET 2000-2001	BUDGET 2001-2002
S&B	\$ 278,702.00	\$ 309,031.00	\$ 371,419.00	\$ 394,571.00
M&O	241,900.00	269,639.00	347,079.00	376,503.00
C.O.	115,879.00	82,485.00	43,000.00	176,000.00
C.I.	<u>2,669.00</u>	<u>84,292.00</u>	<u>80,000.00</u>	<u>-0-</u>
TOTAL	\$ 639,150.00	\$ 745,447.00	\$ 841,498.00	\$ 947,074.00

FUND: Emerprise
 DEPARTMENT: Sanitation

BUDGET
 2001-2002

SALARIES & BENEFITS

SALARIES REGULAR	53,548
WAGES REGULAR	198,081
WAGES-OVERTIME	15,846
WAGES TEMPORARY	13,866
SICK PAY	12,941
VACATION PAY	16,798
F.I.C.A. EMPLOYERS	23,845
HOSPITAL & HEALTH INSURANCE	47,140
LIFE INSURANCE	845
RETIREMENT	10,691
UNEMPLOYMENT INSURANCE	500
LONGEVITY PAY	520
<u>S. T. SALARIES & BENEFITS</u>	<u>394,821</u>

MAINTENANCE & OPERATIONS

POSTAGE, BOX RENT	250
AUTOMOBILE LICENSE	200
COMM. RADIOS	700
COMM. PAGERS	500
COMM. CELL PHONES	750
OTHER COMMUNICATION EXPENSE	180
PRINTING, FORMS, ETC.	100
PUBLICITY LEGAL NOTICES	250
PUBLICITY, SUBSCRIPTION	150
MBRSHIP, RGST, TUITION FEE	250
CHAMBER DUES	1,000
ADVERTISING	1,100
ELECTRIC UTILITY	2,750
WATER UTILITY	200

BUDGET
 2001-2002

SEWER UTILITY	400
GAS UTILITY	800
TELEPHONE SERVICE	1,800
MEDICAL, DENTAL SERVICES	1,000
LEGAL SERVICES	500
AUDIT SERVICES	1,000
DATA PROCESSING	2,500
JANITORIAL SERVICE	2,600
REPAIRMAINT-VEHICLE	20,000
REPAIRMAINT-MACHINEQUIP	500
REPAIRMAINT OFFICE MACHINERY	500
REPAIRMAINT GROUNDS	1,500
REPAIRMAINT LANDFILL	10,000
REPAIRMAINT-BUILDING	1,500
REPAIRMAINT-OTHER	250
EMPLOYEE AUTO ALLOWANCE	1,150
OUT OF TOWN EXPENSE	2,000
AIR TRAVEL	1,000
TRAINING & SCHOOLS	750
MEALS	100
STATE FEES	200
MACHINRY & EQUIP RENTAL	1,500
LANDFILL SERVICES	55,000
BRUSH DISPOSAL	16,000
SUNDRY	300
SMALL OFFICE EQUIPMENT	400
COMPUTER SUPPLIES	500
OTHER OFFICE SUPPLIES	500
AGRI-HORTIC SUPPLIES	300
CHEM. MEDICAL SUPPLIES	400
HOUSEHOLD & JANITORIAL	800
CLOTHING AND UNIFORMS	4,000

FUND: Enterprise
DEPARTMENT: Sanitation

BUDGET
2001-2002

EDUCATIONAL SUPPLIES	100
OTHER OPERATING SUPPLIES	750
GAS, OIL, DIESEL FUEL	13,000
TIRES, TUBES AND ETC.	4,500
REP/MAINT SUPPLIES	500
CONSUMABLE TOOLS	600
SIGN PARTS AND SUPPLIES	300
SAFETY SUPPLIES	1,000
CARTS & PARTS	2,000
RADIO SUPPLIES	250
SUPPLIES-SUNDRY	100
BLDG & CONTENTS INSURANCE	650
VEHICLE LIABILITY INSURANCE	2,500
GENERAL LIABILITY INSURANCE	4,870
WORKMAN'S COMP INSURANCE	16,191
MACHINERY & EQUIP. RENTAL	375
BAD DEBT EXPENSE	5,000
MGRPERSONNEL EXPENSE	11,573
CITY RECORDER EXPENSE	6,670
GEN GOVT BLDG EXPENSE	9,094
G.F. EXP-CITY SHOP	15,850
CUST ACCT EXPENSE	14,835
ADMIN & GEN'L EXPENSE	11,954
LEGISLATIVE EXPENSE	2,057
S. T. MAINTENANCE & OPERATIONS	<u>262,769</u>

CAPITAL OUTLAY

BUDGET
2001-2002

HD REFUSE PACKER TRUCK	120,000
1-TON TRUCK	33,000
REFUSE CARTS (200)	16,500
STORAGE BINS	5,000
HEATING UNIT REPLACEMENT	<u>1,500</u>
S. T. CAPITAL OUTLAY	176,000

DEPRECIATION EXPENSE

DEPRECIATION EXPENSE	65,000
TOTAL DEPRECIATION	<u>65,000</u>

DEBT SERVICE - PRINCIPAL

TML-2000 LOAN	19,147
TOTAL PRINCIPAL	<u>19,147</u>

DEBT SERVICE - INTEREST

TML-2000 LOAN	29,237
AMORT. BOND COST	100
TOTAL INTEREST EXPENSE	<u>29,337</u>

TOTAL SANITATION BUDGET

\$947,074

**PUBLIC WORKS DEPARTMENT
SANITATION
Salaries and Wages**

**CITY OF SPRINGFIELD, TENNESSEE
2001 - 2002 Annual Budget**

BUDGET

POSITION TITLE

SALARIES

PUBLIC WORKS DIRECTOR (1) 33 1/3%
PUBLIC WORKS OPER. SUPER. (1) 50%
OFFICE MANAGER (1) 33 1/3%
SECRETARY (1) 33 1/3%

\$20,488.43
23,893.61
10,344.58
6,344.39

WAGES

SANITATION CREWLEADER (2)
EQUIPMENT OPERATOR (1)
CREW WORKER (6)

57,686.18
24,932.18
137,777.95

TOTAL SALARIES AND WAGES

\$281,467.32

SANITATION DIVISION

Solid Waste Collected (tons)

Date	Residential	Junk	Tires	Sweeping	Brush
June 2000	470.98	67.33	1.06	6.67	85.93
July 2000	469.15	46.25	0	7.60	56.00
August 2000	484.16	70.19	1.77	4.79	80.07
September 2000	438.74	55.64	0	8.03	54.56
October 2000	466.92	54.14	2.14	16.72	51.52
November 2000	460.69	64.10	0	5.92	47.56
December 2000	442.75	62.42	2.26	0.50	26.99
January 2001	445.47	49.84	0	3.69	16.68
February 2001	394.05	52.49	0	0	39.73
March 2001	455.38	94.13	1.12	0	20.35
April 2001	486.47	77.32	0	0	83.17
May 2001					

VEHICLE MAINTENANCE DIVISION

Date	Workorders Completed	Vehicles Serviced
June 2000	132	31
July 2000	76	26
August 2000	110	35
September 2000	90	34
October 2000	85	25
November 2000	81	30
December 2000	80	21
January 2001	106	36
February 2001	68	22
March 2001	84	22
April 2001	98	30
May 2001	90	24

BICOUNTY TEN YEAR ESTIMATED BUDGET

Year	Waste Pickup	Convenience Center	Transfer Stations	Landfill Operation & Maintenance	Postclosure Care Costs	Total Estimated Cost	Revenue
1998	392,037.07	244,855.18	94,560.38	3,602,103.13	21,218.62	4,354,774.38	5,446,223.37
1999	518,342.57	532,145.00	131,829.00	4,818,955.25	100,000.00	6,101,271.82	5,994,137.50
2000	529,019.00	546,176.00	134,554.00	4,382,203.00	105,000.00	5,696,952.00	5,920,663.00
2001	555,469.95	573,484.80	141,281.70	4,601,313.15	110,250.00	5,981,799.60	6,216,696.15
2002	583,243.45	602,159.04	148,345.79	4,831,378.81	115,762.50	6,280,889.58	6,527,530.96
2003	612,405.62	632,266.99	155,763.07	5,072,947.75	121,550.63	6,594,934.06	6,853,907.51
2004	643,025.90	663,880.34	163,551.23	5,326,595.14	127,628.16	6,924,680.76	7,196,602.88
2005	675,177.20	697,074.36	171,728.79	5,592,924.89	134,009.56	7,270,914.80	7,556,433.02
2006	708,936.06	731,928.08	180,315.23	5,872,571.14	140,710.04	7,634,460.54	7,934,254.68
2007	744,382.86	768,524.48	189,330.99	6,166,199.69	147,745.54	8,016,183.57	8,330,967.41
2008	781,602.00	806,950.70	198,797.54	6,474,509.68	155,132.82	8,416,992.75	8,747,515.78
2009	820,682.10	847,298.24	208,737.42	6,798,235.16	162,889.46	8,837,842.38	9,184,891.57
2010	861,716.21	889,663.15	219,174.29	7,138,146.92	171,033.94	9,279,734.50	9,644,136.15

ROBERTSON COUNTY TEN YEAR ESTIMATED BUDGET

Year	Convenience Center	Transfer Stations	Recycling Center	Postclosure Care Costs	Other Charges	Total Estimated Cost	Income
1999	144,214.00	848,779.00	28,977.00	116,373.00	29,940.00	1,168,283.00	1,079,393.00
2000	163,292.00	963,055.00	36,556.00	93,159.00	41,438.00	1,297,500.00	1,167,000.00
2001	168,162.00	1,126,451.00	35,558.00	90,944.00	43,885.00	1,465,000.00	1,367,000.00
2002	176,570.10	1,082,773.55	37,335.90	95,491.20	46,079.25	1,438,250.00	1,435,350.00
2003	185,398.61	1,136,912.23	39,202.70	100,265.76	48,383.21	1,510,162.50	1,507,117.50
2004	194,668.54	1,193,757.84	41,162.83	105,279.05	50,802.37	1,585,670.63	1,582,473.38
2005	204,401.96	1,253,445.73	43,220.97	110,543.00	53,342.49	1,664,954.16	1,661,597.04
2006	214,622.06	1,316,118.02	45,382.02	116,070.15	56,009.62	1,748,201.86	1,744,676.90
2007	225,353.16	1,381,923.92	47,651.12	121,873.66	58,810.10	1,835,611.96	1,831,910.74
2008	236,620.82	1,451,020.11	50,033.68	127,967.34	61,750.60	1,927,392.56	1,923,506.28
2009	248,451.86	1,523,571.12	52,535.36	134,365.71	64,838.13	2,023,762.18	2,019,681.59
2010	260,874.46	1,599,749.68	55,162.13	141,083.99	68,080.04	2,124,950.29	2,120,665.67



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

DON SUNDQUIST
GOVERNOR

MILTON H. HAMILTON, JR.
COMMISSIONER

CERTIFIED MAIL

January 7, 2002

Mr. Joe Creek
Chairman, Stewart/Montgomery/Robertson County
Municipal Solid Waste Planning Region
912 Lafayette Road
Clarksville, TN 37042

63

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

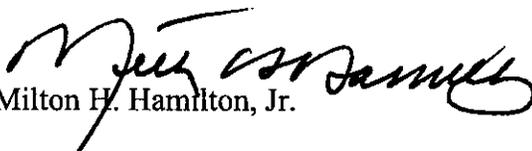
Dear Mr. Creek:

The Department of Environment and Conservation has not received a reply to the comments sent on June 28, 2001 concerning the Five-Year Update to the Ten-Year Solid Waste Plan for the Stewart/Montgomery/Robertson County Solid Waste Planning Region.

The Region must submit the required response within 90 days of receipt of this letter. Otherwise, the region and jurisdictions 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 Stewart/Montgomery/Robertson 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:lr



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

DON SUNDQUIST
GOVERNOR

MILTON H. HAMILTON, JR.
COMMISSIONER

CERTIFIED MAIL

January 7, 2002

Mr. Joe Creek
Chairman, Stewart/Montgomery/Robertson County
Municipal Solid Waste Planning Region 63
912 Lafayette Road
Clarksville, TN 37042

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

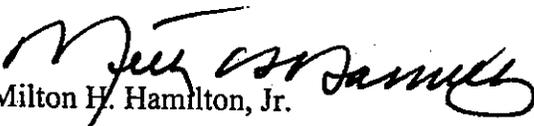
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I am certain that the Stewart/Montgomery/Robertson County Solid Waste Planning Region will give these issues the serious consideration that is warranted. If you need additional information, please contact Louis Bordenave with the Division of Community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

Sincerely,


Milton H. Hamilton, Jr.

MHH:RLG:RPG:lr

TO	DATE

TELEPHONE/MEETING RECORD

DATE: 11-13-01

TO: File

FROM: B.K.

SUBJECT: M-R-S 5-yr Update Comments

Spoke with Ms Tammy Kein (Consultant of Disage, who wrote report) today. She says she got info she was waiting on but could not decipher it. She has recontacted the city in question + hopes to get corrected info within next week to 10 days.



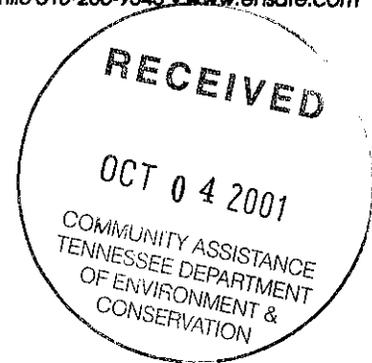
ENSAFE INC.

ENVIRONMENTAL AND MANAGEMENT CONSULTANTS

220 Athens Way, Suite 410 • Nashville, Tennessee 37228 • Telephone 615-255-9300 • Facsimile 615-255-9345 • www.ensafe.com

September 28, 2001

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



Re: Five Year Update Plan for the SMR Region 63

Dear Mr. Knight:

On behalf of the SMR Regional Planning Board this letter is to request an extension for providing additional information requested in a June 28, 2001 letter from the Division of Community Assistance. Additional time is necessary to receive budgetary information from the individual cities.

If you have any questions please feel free to contact me at 615-255-9300, extension 845.

Sincerely,

Tammy E. Keim
Registered Geologist

pc:	Joe L. Creek	SMR Board Chairman
	Douglas Weiland	Montgomery County Executive
	David Wallace	Steward County Executive
	Roy Apple	Robertson County Executive
	Betty Gibbs	Member, Stewart County
	Gene E. Cook	Member, Robertson County
	David Haines	Member, City of Clarksville
	Walton Plummer	Member, Cities of White House, Greenbrier and Springfield
	Pete Reed	Director, Bi-County Solid Waste Management System and Education Director for the Region
	Randall Pugh	Director, Robertson County Solid Waste Department
	File	

TO	DATE

TELEPHONE/MEETING RECORD

DATE: 9-28-01

TO: File

FROM: BAK

SUBJECT: M-R-S Region - 5 Year Update

Ms. Jimmy Keim of ENSAFE (EMPE) called today to request additional time for sending response to my committee letter. Her comments are due by 9/30; however, Ms. Keim says she is having a problem getting financial info from some of the municipalities in the region. She thinks she can have it completed by Oct 30th. I approved the extension until 10/30.

She also needs info re: filing the region's "education action plan". I spoke w/ Ann McDowell about this + she will speak to Joyce Dunlap + advise me early next week.

10/2 - I talked w/ Ann Mc + Joyce D. re: the Educ. Plan in question. Joyce explained that time for filing is over so it would be OK to answer "no" to that question in the 5-yr guidelines. I communicated this to Ms. Keim.



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September 28, 2001

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

Re: Five Year Update Plan for the SMR Region

Dear Mr. Bordenave:

On behalf of the SMR Regional Planning Board this letter is to request an extension for providing additional information requested in a June 28, 2001 letter from the Division of Community Assistance. Additional time is necessary to receive budgetary information from the individual cities.

If you have any questions please feel free to contact me at 615-255-9300, extension 845.

Sincerely,

Tammy L. Keim
 Registered Geologist

pc:	Joe L. Creek	SMR Board Chairman
	Douglas Weiland	Montgomery County Executive
	David Wallace	Steward County Executive
	Roy Apple	Robertson County Executive
	Betty Gibbs	Member, Stewart County
	Gene E. Cook	Member, Robertson County
	David Haines	Member, City of Clarksville
	Walton Plummer	Member, Cities of White House, Greenbrier and Springfield
	Pete Reed	Director, Bi-County Solid Waste Management System and Education Director for the Region
	Randall Pugh	Director, Robertson County Solid Waste Department
	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

June 28, 2001

Mr. Joe Creek, Chairman
Stewart-Montgomery-Robertson Municipal S/W Planning Region 63
912 Lafayette Road
Clarksville, TN 37042

Dear Mr. Creek:

The Five-Year Update to the Stewart-Montgomery-Robertson MSW Region's Ten-Year Solid Waste Plan has been reviewed and, while most of the information provided is complete and adequate, there are some items requiring additional information or clarification. The following comments are provided based upon this review and other relevant documents and requirements:

CHAPTER 1-SUMMARY

Chapter 1 requires an implementation schedule illustrating current and planned facilities and programs through the coming ten-year horizon.

CHAPTER 2-GENERAL INFORMATION

Chapter 2.3 concerns regional solid waste board members and their terms. **Please note that, in the future, all terms shall be appointed for a period of six (6) years.**

Chapter 2.11 asks for a description of **costs and revenues** involved in public funding for solid waste programs in the region. **You must consider capital cost considerations, staffing requirements, and operating expenses for each county and participating city in the region.**

CHAPTER 5-RECYCLING

Chapter 5.3 asks for a description of progress and setbacks in recycling and reduction efforts; successes and failures in marketing, together with principal end-users; and anticipated changes an/or assistance in marketing. Do jurisdictions within the region cooperate on marketing efforts? Describe assistance needed by the counties and their programs. Include plans for additional recycling, reduction, or end-use programs of which you are aware. **Please give more details on each of these items.**

Mr. Joe L. Creek
June 30, 2001
Page 2

CHAPTER 7-PROBLEM WASTES

Chapter 7.2 states that the Bi-County Landfill provides a permanent collection point for household hazardous waste for the region. **Please provide details for this site, including permit number, date opened, volumes collected, disposition of materials, etc.**

CHAPTER 8-SOLID WASTE EDUCATION

Chapter 8.2 asks for a description of outstanding needs in public solid waste education, progress made and efforts planned, need for public information, need for state and technical agencies assistance, whether education action plan files or not, and whether use has been made of the Division of Community Assistance's book, "Pathways to Education". **Please provide more details for each of these items.**

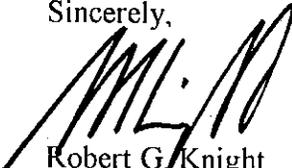
CHAPTER 9-FLOW CONTROL and PERMIT REVIEW

Chapter 9.1 is unclear as to region's attempt at flow control. **Please elaborate on those efforts.**

Please consider that, in addition to the comments included here, other information may be necessary in preparing a meaningful update to the region's solid waste plan. Feel free to include all information that you feel best describes the region.

Response to these comments should reach this office by September 30, 2001. If you have questions or need assistance, please contact me by phone at (615) 532-0082 or e-mail to: bknight@mail.state.tn.us

Sincerely,



Robert G. Knight

cc: The Honorable David Wallace, Stewart County Executive
The Honorable Douglas Weiland, Montgomery County Executive
The Honorable Roy A. Apple, Robertson County Executive
Mr. Pete Reed, Bi-County Solid Waste Director
Mr. Randy Pugh, Robertson County Solid Waste Director
Mr. Phil Armor, Solid Waste Advisor, Greater Nashville Regional Council
Mr. Mike Stooksberry, Solid Waste Consultant, CTAS
Mr. Charles Jobe, EC, Nashville Environmental Assistance Center
Mr. Shaun Winter, Consultant, ENSAFE, Inc.



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

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

May 29, 2001

Mr. Joe Creek, Chairman
Stewart/Montgomery/Robertson Co Municipal SW Planning Region 63
912 Lafayette Road
Clarksville, TN 37042

RE: Five-year Update to Ten-year Solid Waste Plan
Stewart/Montgomery/Robertson Co Municipal SW Planning Region

Dear Mr. Creek:

Thank you for your timely submission of the Stewart/Montgomery/Robertson Co. Municipal SW Planning Region Update Plan. We received your plan on May 23, 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

RPG:pag

C: The Honorable David Wallace, Stewart County Executive
The Honorable Douglas Weiland, Montgomery County Executive
The Honorable Roy A. Apple, Robertson County Executive
Solid Waste Director, Stewart County
Mr. Pete Reed, Montgomery County Solid Waste Director
Mr. Randy Pugh, Solid Waste Director, Robertson County
Mr. Phil Armor, (SWM), Greater Nashville Regional Council
Mr. Mike Stooksberry, SW Management Consultant, CTAS
Mr. Charles Jobe, EC, Nashville Environmental Assistance Center
Mr. Shaun Winter, Consultant-EMPE, Inc.



63

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May 23, 2001

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



Re: Five Year Update Plan for the SMR Region

Dear Mr. Bordenave:

On behalf of the SMR Regional Planning Board please find enclosed an original and one copy of the Five Year Update to the Solid Waste plan. The Plan was approved by Stewart and Montgomery Counties on May 14, 2001. Robertson County met at 7:00 pm on May 21, 2001 and approved the enclosed plan.

If you have any questions regarding the information contained within the report please feel free to contact me at 615-255-9300, extension 853.

Sincerely,

Shaun A. Winter
Project Manager

- pc: Joe L. Creek SMR Board Chairman
- Douglas Weiland Montgomery County Executive
- David Wallace Steward County Executive
- Roy Apple Robertson County Executive
- Betty Gibbs Member, Stewart County
- Gene E. Cook Member, Robertson County
- David Haines Member, City of Clarksville
- Walton Plummer Member, Cities of White House, Greenbrier and Springfield
- Pete Reed Director, Bi-County Solid Waste Management System and Education
Director for the Region
- Randall Pugh Director, Robertson County Solid Waste Department
- File



FIVE-YEAR UPDATE
STEWART, MONTGOMERY, ROBERTSON COUNTY
SOLID WASTE MANAGEMENT PLAN

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

Prepared for:

State of Tennessee
Department of Environment and Conservation
Division of Community Assistance
Ron Graham, Director
8th Floor, L&C Tower
Nashville, TN 37243
(615) 532-0445

Prepared by:



220 Athens Way, Suite 410
Nashville, Tennessee 37228
(615) 255-9300
(615) 255-9345 (facsimile)

APRIL 25, 2001

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Appendices

Appendix A: 10-Year Budget

Appendix B: Documentation Regarding Public Notice, Public hearing and Plan Approval

Chapter 1: Summary

A Ten-Year Municipal Solid Waste Regional Plan was prepared in 1994 for the Stewart, Montgomery, and Robertson (SMR) Solid Waste Planning Region. The Ten-Year Plan examined all aspects of the Region's solid waste disposal system and outlined plans and goals for the next ten years.

The Five-Year Update to the Ten-Year Solid Waste Regional Plan will address the plans and goals for the SMR Region for the next ten years. The SMR Region and its Solid Waste Planning Boards and County Commissions are anticipated to operate as they have in the past with goals of reviewing annual progress reports and solid waste plans, solid waste planning, addressing public concerns and interest, and ensuring that state mandates and other requirements are fulfilled.

The SMR Solid Waste Planning Region achieved the 25 % reduction and diversion goal required by T.C.A. 68-211-861 for the 2000 calendar year. The SMR Regions' 25% reduction goal was established from the 1989 base year solid waste disposal rate of 0.99 ton/year/person. In 2000 the Region experienced a 0.62 ton/year/person waste per capita rate, for a 37.4 % reduction of waste disposal from the 1989 base year. These numbers reflect raw data utilizing population and waste numbers only. They do not account for population ratio changes and adjusted tonnage. Using the Division's worksheet for calculating waste reduction, the Region has achieved a 60 % waste reduction since 1989.

This reduction goal has been met for the most part through recycling, diversion, education and reduction efforts in the Region. The SMR Region has an effective recycling program, which collects numerous recyclable materials at the Bi County Landfill, Robertson County transfer station and the 24 convenience centers located throughout the Region. Figure 2 illustrates the location of the solid waste disposal and convenience centers within the SMR Solid Waste Planning Region. There are also a number of private recyclers available in the region. A total of 39,516.57 tons of recyclable materials were collected by these programs during the 2000 calendar year. In addition, Bi-County Landfills Class IV facility diverted a total of 74,388.58 tons of construction / demolition debris from within the Region. Figure 1 illustrates a waste flow diagram of the 2000 calendar year waste stream.

Public awareness and education of solid waste disposal issues and recycling have contributed to the increase of recyclable quantities collected and the attainment of the reduction goals. The Regional Solid Waste Directors and Recycling Coordinators are responsible for educational efforts within each County. This is accomplished through literature, contests, displays and various educational materials distributed throughout the Region. The public awareness efforts will continue to be expanded during the next ten years.

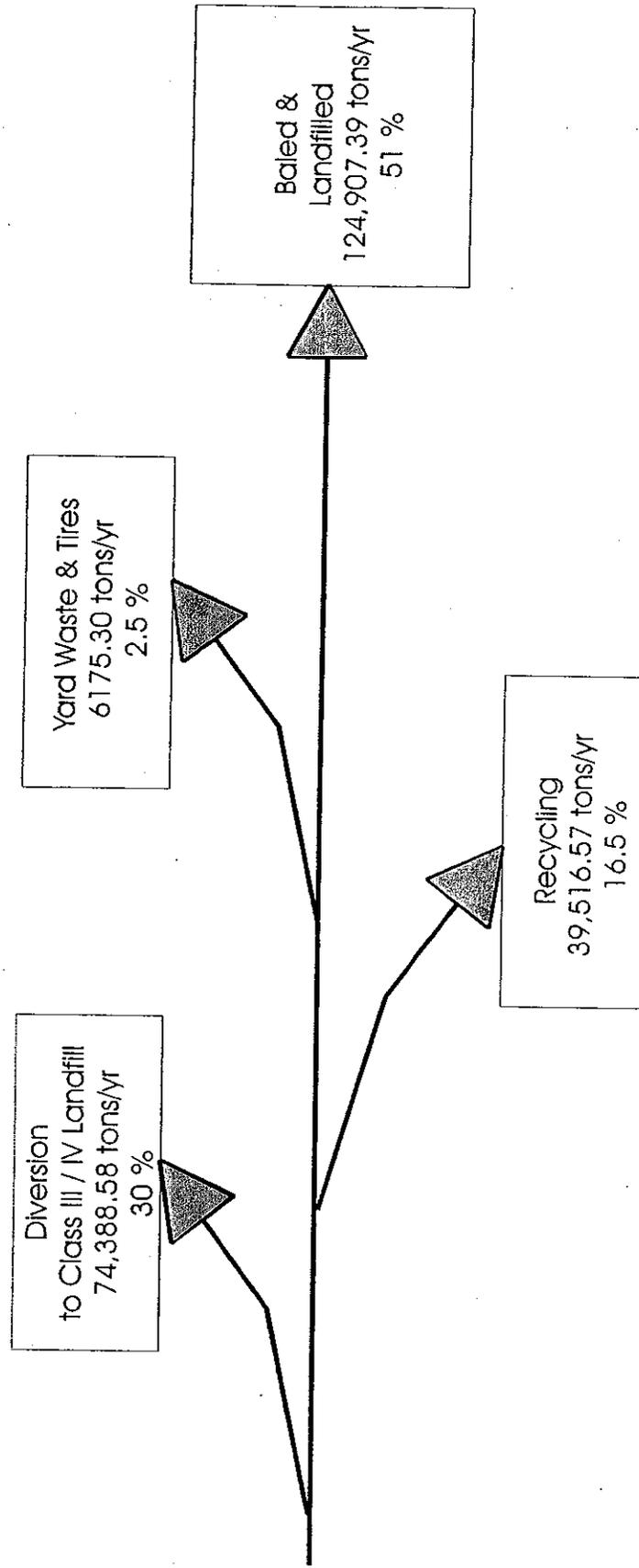
The SMR Region is well served in regard to solid waste disposal by the current system of convenience centers, city services, and private haulers. County residents are served by the convenience centers located throughout the county or by private haulers. The Cities of Clarksville, Greenbriar, and Springfield provide door-to-door pickup by private haulers paid for by a "user fee". The City of White House performs curbside pickup within the city limits funded by city taxes.

Problem waste has been addressed by the Region. The Region hosts the Tennessee Household Hazardous Waste Collection Event annually. Many hazardous waste items would otherwise be disposed of improperly in household garbage or illegal dumpsites. The Region plans to continue these annual collection events.

Other problem wastes, such as waste tires, are collected at the Bi-County Landfill and the Robertson County Transfer Station, where they are shredded. The shredded tires are hauled from Robertson County to Mac's Recycling in Sal Tillo, Mississippi where they undergo further shredding before being sent to a TVA facility to be burned as fuel.



FIGURE 1 PROPORTIONAL FLOW DIAGRAM



Chapter 2: General Information about the Region

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

The SMR Region is comprised of Stewart, Montgomery, and Robertson Counties in northern middle Tennessee. There are ten self governing municipalities within the Region and they are Adams, Cedar Hill, Clarksville, Cross Plains, Dover, Greenbrier, Orlinda, Springfield, White House, and Ridgetop.

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

COUNTY	POPULATION
Stewart	12,370
Montgomery	134,768
Robertson	54,433
TOTAL	201,571

Information obtained from the Associated Press detailing the 2000 Census results.

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

The SMR Regional Solid Waste Board is comprised of five (5) members:

1. Joe L. Creek (Chairperson), representing Montgomery County
 Term: 4/8/96 – 11/04
 Address: 912 Lafayette Road, Clarksville, TN 37042
 Phone: (931) 648-2930
2. Betty Gibbs, representing Stewart County
 Term: 1/13/97 – 11/04
 Address: 314 Valley View Road, Dover, TN 37058
 Phone: (931) 232-7600
3. Gene E. Cook, representing Robertson County
 Term: 8/1/97 – 11/02
 Address: 4520 Betts Road, Greenbrier, TN 37073
 Phone: (615) 384-7459

06
 04
 04
 8
 165
 20
 02
 05

4. David Haines, representing City of Clarksville
 Term: 11/97 – 11/02
 Address: Office of the Mayor, 102 Public Square, Clarksville, TN 37040
 Phone: (931) 645-7444
5. Walton Plummer, representing Cities of White House, Greenbrier, & Springfield
 Term: 11/00 – 11/06
 Address: 209 West Drive, White House, TN 37188
 Phone: (615) 672-3625

A county commission confirmed all members' appointments.

4. **A. Has the Region formed a Part 9 Solid Waste Authority? If yes, please provide the following information:**
 - **Chairman of Part 9 Authority Board**
 - **Address and phone number**
 - **Jurisdictions within the Authority**
 - **Part 9 Authority creation documentation**

No, the Region has not formed a Part 9 Solid Waste Authority.

- B. Has the Region dissolved a Part 9 Solid Waste Authority? If yes, please describe.**

No, the Region has not dissolved a Part 9 Solid Waste Authority.

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

1. Pete Reed
 Bi-County Director
 P.O. Box 1112, Clarksville, TN 37041
 (931) 648-5751

2. Mark Neblett
 Bi-County Assistant Director
 P.O. Box 1112, Clarksville, TN 37041
 (931) 648-5751

3. Randall Pugh
 Robertson County Solid Waste Director
 2916 West County Farm Road
 Springfield, TN 37172
 (615) 384-0683

6. **Briefly describe the activities and workings of the Region's Solid Waste Board and/or Part 9 Authority Board if one exists. Describe the Board meeting schedule, involvement with concerned entities in planning decisions, process for addressing public, and**

timeliness of submittal of Annual Progress Reports and Solid Waste Plans. In addition to planning, does the Board meet its responsibilities with regard to permit review?

The Bi-County Solid Waste Planning Commission representing Stewart and Montgomery Counties and the Robertson County Solid Waste Planning Commission meet once a month. The commissions discuss the operational and financial issues associated with solid waste management within their jurisdictions.

The SMR Regional Solid Waste Planning Board is currently comprised of five board members. In addition to the board members, the Solid Waste Directors for both Bi-County and Robertson County attend the Board meetings. The Directors of Solid Waste generally provide updates on solid waste programs and issues relating to the Region. Other parties in attendance often include local government, state government, and consultants.

The SMR Board reviews and approves each Regional Solid Waste Annual Report and other related updates prior to them being submitted to the state. The submittal and timeliness of the Annual Progress Reports and other Solid Waste Plans are addressed before the board. Approved reports are sent to the State when they are due. The board is consistent with their meetings and involvement with planning decisions. The SMR Regional Solid Waste Planning Board meet on an as needed basis to discuss the above issues and approve Regional solid waste plans.

1. The applicant must apply (inwriting as he would to the Division of Solid Waste Management) to the regional solid waste board at or before the time the application process for technical review is initiated with the Division of Solid Waste management.
2. Next, if the application is in order and the applicant wants to continue, the board must hold a public hearing with proper notice and a written record of the proceedings.
3. When the Board votes on the application, they are not expected to examine the proposal for technical merit. they are expected to compare the project with the financial needs and disposal plans described in the Region's approved ten year plan and determine if the application is consistent with and/or complementary to the plan's vision for the region.
4. the regional board has 90 days after the receipt of an application to make a decision. Once a decision is made, it must be communicated in writing to the Commissioner of Environment and Conservation Milton H. Hamilton, and cc: to Mike Apple (Director of Solid waste Management) and Ron Graham (Director of Community Assistance).
5. A decision by the Region may be appealed in the Davidson (regardless of county board represents) County Chancery Court.

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

The SMR Planning Region was formed as a reflection of the common interests as well as common boundaries between the three member counties – Stewart, Montgomery, and Robertson. Stewart and Montgomery Counties have operated together as Bi-County for years and are familiar with the benefits of mutual cooperation between neighbors in managing solid waste. Including Robertson County in the Region provided potential cost-efficiencies brought about by an increased population base. Although the problems associated with providing solid waste management in a manner that is acceptable to all groups within the Region are complex, the SMR Region is satisfied with the status of a multi-county Region.

8. List all municipalities in the Region that have door to door collection service. Include county and municipal population. Table 2 summarizes solid waste collection services provided within the Region.

Table 1

City/Town Name	County	2000 Population
Clarksville	Montgomery	103,455
Springfield	Robertson	14,329
White House	Robertson	7,220
Greenbrier	Robertson	4,940
Dover	Stewart	1,422

Populations above obtained from 2000 Census information.

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

The S-M-R Planning Region is comprised of Stewart, Montgomery, and Robertson Counties in North Central Tennessee. The planning region is linear with the three member counties running east-west for a total length of about 80 miles with the average width running about 20 miles. The area of the Region is approximately 1,469 square miles. The region includes ten municipalities (2000 population) – Adams (566), Cedar Hill (298), Clarksville (103,455), Cross Plains (1,381), Dover (1,422), Greenbrier (4,940), Orlinda (594), Springfield (14,329), White House (7,220), Ridgetop (1,042).

The primary natural and political boundaries impacting the region are the Kentucky State Line to the north and the Tennessee River to the west. The Tennessee River (Kentucky Lake) is traversed by the U.S. 79 highway bridge between Stewart County and neighboring Henry County. The next nearest crossing of the Tennessee River is the U.S. 70 highway bridge connecting Waverly to Camden.

The Cumberland River (Lake Barkley) bisects both Montgomery and Stewart Counties. This river effectively divides these counties into a northern and southern half. The River is traversed by the TN 48/13 highway bridge southwest of Clarksville, an additional bridge in

**TABLE 2
SMR SOLID WASTE PLANNING REGION WASTE COLLECTION SERVICE**

COUNTY / CITY POPULATION	SERVICES PROVIDED	FEE
MONTGOMERY 134,768		
Clarksville	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in the city. In addition, there are convenience centers located inside the City of Clarksville for the collection of recyclables, residential refuse and some problem wastes.	\$5.00 / month or \$3.00 / month for users with private haulers
All other County	There are convenience centers located throughout the county for the collection of recyclables, residential refuse and some problem wastes, such as batteries and used oil.	\$5.00 /month
STEWART 12,370		
Dover	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in the city. In addition, there are convenience centers available for the collection of recyclables, residential refuse and some problem wastes.	\$5.00 / month or \$3.00 / month for users with private haulers
All other County	There are convenience centers located throughout the county for the collection of recyclables, residential refuse and some problem wastes, such as batteries and used oil.	\$5.00 /month
ROBERTSON 54,433		
Greenbrier	The city has contracted curbside collection of household waste. In addition, there are convenience centers located throughout the county for collection of recyclables.	\$14.00 month Residential only
Springfield	The city has contracted curbside collection. In addition, there are convenience centers located throughout the county.	\$16-\$22 Commercial, \$11 Residential
White House	The city performs curbside collection of household waste and recyclables. In addition, there are convenience centers located throughout the county.	no fee, funded through city taxes
All other County	There are convenience centers located throughout the county for the collection of recyclables, residential refuse. Some problem wastes, such as batteries and used oil are collected at the Transfer Station	no fee

the same area connecting Cumberland Drive (Highway 48/13) with River Road, a toll ferry connecting Cumberland City with Wilson Hollow Road, and the U.S. 79 highway bridge in Dover.

Rail service for the region exists but does not connect the member county seats in an organized fashion. There is no major rail service to Dover and the only rail service historically in Stewart County is now abandoned. This line cut through the southeast corner of the county connecting Cumberland City with Clarksville in the north and Erin (in Houston County) in the south. The rail connection between Montgomery and Robertson Counties is circuitous at best involving either leaving the state (via Guthrie, Kentucky) or using lines through Nashville. The rail line in Montgomery County begins in Clarksville and heads northeast, through St. Bethlehem, before exiting the county into Guthrie, Kentucky. The rail line through Robertson County begins in Davidson County (near the southeastern corner of Robertson County) and heads northwest connecting Ridgetop, Greenbrier, Springfield, Cedar Hill, Adams, and Sadlersville before exiting into Montgomery County. There are two rail lines with terminals in Clarksville.

TN Highway 76 runs the full length of the region beginning at the Tennessee River in the west and running eastward through the region to the Sumner County line in the east. This highway connects Dover, Legate, Oakwood, Woodlawn, Clarksville, Adams, Cedar Hill, Springfield, and White House. Interstate I-24 connects southwestern Robertson County with northeastern Montgomery County and runs for about 27 miles within the region. Interstate I-65 runs along the eastern boundary of Robertson County with about 18 miles within the region. In addition to interstates, the region has about 215 miles of U.S. highway, 213 miles of state highway, and 1,858 miles of county and local roads.

The primary employment in Stewart County is manufacturing which accounts for about 34% of the county's employment. The county is, however, most well known for its wildlife and tourism opportunities. Land Between the Lakes (LBL) comprises a large portion of the northwest part of the county and the southern road access into LBL (The Trace) intersects U.S. Highway 79 just west of Dover. In addition to LBL, Fort Donelson National Battlefield, Cross Creek National Wildlife Refuge, Barkley State Wildlife Refuge, Barkley State Waterfowl Area, and Stewart State Forest are all located within Stewart County and the Paris Landing State Park is located in Henry County just across Kentucky Lake and less than a mile from the county line. This type of tourism in a relatively small county can cause wide variations in effective population (defined as population generating waste) between summer months and winter months and between weekends and weekdays. It should also be noted that a substantial portion of the northeast part of the county is taken up by the Fort Campbell Military Reservation. None of the major entrances into the base are located in Stewart County.

The primary employment in Montgomery County is in services, which account for about 31% of the total employment. This is followed by trade and then manufacturing with 24% and 18% respectively. The large percentage of services and trade employment is directly related to the Ft. Campbell support industry that has arisen in conjunction with the main gate of the base being located on U.S. Highway 41A just north of the county. The military personnel living off-base have contributed to a high percentage of rental housing and starter-type homes in the county. Austin Peay State University provides a significant population addition to the county and further adds to the rental population. The college population

causes effective population variances of the county between school term and non-school term.

The primary employment in Robertson County is manufacturing which accounts for about 28% of the total employment. Robertson County is immediately adjacent to Nashville/Davidson County. As such, the towns of White House, Greenbrier, Ridgetop, and Cooperstown function in large part as "bedroom" communities for commuters to Nashville. The remainder of the county is primarily self-sustaining and does not rely economically on Nashville. Robertson County residents enjoy a reasonably high standard of living and a comparatively small percentage of the population is officially below the U.S. poverty line.

Montgomery and Stewart Counties formed the Bi-County Solid Waste Management System Authority, which pre-dated the Solid Waste Act of 1991. That authority presently operates a baling facility and balefill in Montgomery County. Robertson County constructed and operated a Lundell Front-end Separation System at the transfer station south of Springfield until 1995 when use of the system was discontinued. The transfer station is still in operation.

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

Stewart County: Yes

Montgomery County: Yes

Robertson County: No, see city information below

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

Stewart County- A user fee was instituted on July 1, 1999 by the County Commission and is collected by Cumberland Electric Membership Cooperative, which includes the fees on monthly electric bills. Users of private haulers pay \$3.00 per month and users of convenience centers pay \$5.00 per month.

Montgomery County- A user fee was instituted by the County Commission and is collected by Clarksville Department of Electricity and Cumberland Electric Membership Cooperative, which includes the fees on monthly electric bills. Users of private haulers pay \$3.00 per month and users of convenience centers pay \$5.00 per month.

Robertson County:

Springfield- \$16.00/22.00 commercial, \$11.00 residential

White House- no charge to residents

Greenbrier- \$14.00 residential

User fees for curbside pickup collected in the above cities are included in the monthly utility bills. Each city retains full jurisdiction over the implementation and collection of the user fees.

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

The current system of public funding utilized by the jurisdictions within the region is satisfactory. Revenues continue to meet expenditure associated with solid waste management. The budget is discussed at the Solid Waste Authority meetings each month. The budget will list the expenses and costs that may occur. See the attached budgets for Bi-County and Robertson County Solid Waste Management for year 2001 in Appendix A.

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

Yes, all relevant jurisdictions in the region meet the financial accounting requirements of the Solid Waste Management Act.

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

An estimated ten year solid waste budget is included in Appendix A for Bi-County (Stewart and Montgomery) and Robertson County, respectively.

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

Pete Reed

Bi-County Solid Waste Director (Stewart and Montgomery Counties)

(931) 648-5751

Randall Pugh

Robertson County Solid Waste Director

(615) 384-0683

Chapter 3: Waste Stream

1. For the most recent calendar year, how many tons of solid waste were generated within the Region and disposed of in Class I landfills or incinerators located in or out of the Region? Please “show your work” by providing a breakdown of tonnages and sources of information.

TABLE 3

County Name	Solid Waste Disposed (tons)
Stewart	5,937.52
Montgomery	96,435.59
Robertson	22,534.28
Regional Total	124,907.39

Data in the table above are taken directly from the Region’s 2000 Annual Progress Report.

2. Estimate the percentages of the tons reported in #1 above using the following categories:
 - Residential = 49%
 - Commercial = 22%
 - Industrial = 22%
 - Institutional (school, hospital, prison) = 7%
 - Other (including special) = 0%
 - The total should equal 100%

3. Estimate the percentage of the tons reported in #1 above using these categories:
 - Yard waste = 0%
 - Construction/Demo waste (Class IV) = 0%
 - Tires = 0%
 - Recyclables = 0
 - White goods = 0%
 - Regular Municipal Solid Waste = 100%
 - The total should equal 100%

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

- (1) source reduction (especially industrial practices);
- (2) recycling (include composting);
- (3) diversion (to Class III/IV landfills);
- (4) unmanaged waste (burned in backyards, illegal dumps, ditches),

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

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

Table 4

Reduction Strategy	2000 tons
Source Reduction	
Recycling	39,516.57
Diversion to Class III/IV landfills	74,388.58
Unmanaged waste	No numbers available
Yard waste diversion	3,601.94
Tires-recycled	2573.36
Subtotal	120,080.45
Regional total from #1 above	124,907.39
Total Generated waste stream	244,987.80

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

- (1) source reduction (as a percentage of the Total Generated waste stream for the Region);
- (2) recycling (as a percentage of the Total Generated waste stream for the Region)-16%;
- (3) diversion (as a percentage of the Total Generated waste stream for the Region) - 30%;
- (4) unmanaged waste (as a percentage of the Total Generated waste stream for the Region)
- (5) tires recycled- 1 %
- (6) yard waste diversion- 1 ½ %

TABLE 5

Reduction Strategy	% of Total Generated waste stream
Source Reduction	
Recycling	16%
Diversion to Class III/IV landfills	30%
Unmanaged waste	
Yard waste diversion & Tires	2.5%

A waste flow diagram is attached as Figure 1.

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

The estimate came from actual numbers supplied by the Bi-County landfill, Southern Services, Robertson County, and individual in-house recyclers.

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

Based upon the recent census figures there appear to be a large number of people moving into the region. The increase in population could be due to new industries within the region and because of growth within the adjacent regions (ie. Davidson, Cheatham and Sumner Counties).

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

The economy of the Region is strong. The Region enjoys a low unemployment rate due to the many employment opportunities in the area. The Region's major employers include:

- School systems
- County and municipal governments
- Trane
- Pasminco Zinc
- Frigidaire
- Star Tek
- Florim USA
- Precision Printing
- Quebecor
- Austin Peay State University

No economic factors are expected that would have major effects on the waste stream or waste reduction efforts in the Region.

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

Major Contributors to the Region's Waste Disposal

- Contributor's Name
- Contact Name, Phone Number
- Waste types
- Estimate amount of waste, in tons, disposed in any Class I landfill or incinerator during the past calendar year

Contributor's Name: Standard Gymsun

Contact Name:

Phone Number:

Waste types: mixed municipal

Estimated amount of waste (tons): 14,690 tons

Contributor's Name: Cheatham County Landfill

Contact Name:

Phone Number:

Waste types: mixed municipal

Estimated amount of waste (tons): 4,878 tons

Contributor's Name: Precision Printing

Contact Name:

Phone Number:

Waste types: mixed municipal, paper

Estimated amount of waste (tons): 3,080 tons

Contributor's Name: Trane

Contact Name:

Phone Number:

Waste types: mixed municipal

Estimated amount of waste (tons): 1,378 tons

Contributor's Name: Florim USA
Contact Name: Ron Irlinger
Phone Number: (931) 553-7500
Waste types: Tile Scrap
Estimated amount of waste (tons): 13,486 tons

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

Montgomery and Stewart Counties:

Adopt a Highway

Robertson County:

Anti-Litter Program

Dave Curley – Coordinator

(615) 384-0220

Juveniles pick up litter on a daily basis as part of their community assistance sentencing.

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

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

Explain your answer. (More information on the proposed economic growth adjustment formula will be available from the Division of Community Assistance).

Becky Gorham at the Division of Community Assistance on 9/26/00 provided Region-specific 1998 percent reduction numbers using the population growth adjustment formula (11%) and the economic growth adjustment formula (13%). She indicated that there are ongoing discussions regarding eliminating the use of the economic growth adjustment formula. From the calculations provided above it appears that the economic growth formula would be advantageous for the region to utilize. Please note that the above numbers were calculated by the Division utilizing 1995 as a base year. The county opts to remain with 1989 as their base year.

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

For more information regarding existing and proposed new base year figures for you Region, please see the lists of figures currently recorded for 1989 and reported for 1995, attached in Appendix B-6 and B-7, or contact the Division of Community Assistance.

After reviewing the base year (1989) numbers in comparison with the 1995 numbers, the region has opted to remain with 1989 as their base year. This decision was based upon the fact that many reduction programs were put into place between 1989 and 1995. Utilizing 1989 as the basis year, the Region has met their 25 % reduction goals. Even though the population has increased by over 16 % since 1995, there has only been a slight increase (less than 1 %) in the waste stream. It would be very difficult, if not impossible, for the region to meet additional reductions based upon a 1995 base year.

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

Bi-County Solid Waste Authority

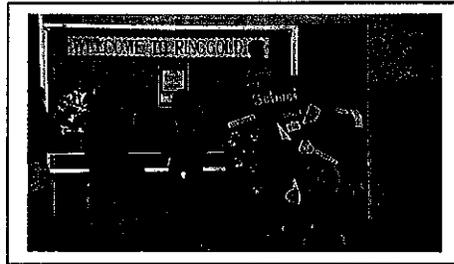
Bi-County Recycling Program (Stewart and Montgomery Counties)

Description: This is a publicly sponsored non-profit program, which provides drop-off for residents and pickup for businesses and schools. There are six locations within Stewart County and eleven within Montgomery County where residents may drop off recyclables including batteries, oil, paper, cardboard, plastic, glass, aluminum and other various metals.

Success Level: Recycling continues to improve. Industrial waste reduction programs are very successful. School programs are successful and expanding. A total of 38,506.72 tons of recyclables during the year 2000 were kept out of the

Class I landfill through recycling programs and in-house industrial recycling facilities.

Education Programs: Starting in 1992, Bi-County SWMS placed a new emphasis on education as the key to a successful waste management program. An education program about waste reduction was developed and presented to the adults in the general public forum. This program featured a slide presentation of the landfill construction and included the costs of preparing the landfill. Through education concerning the economic impact of waste reduction, an increase in recycling was seen.



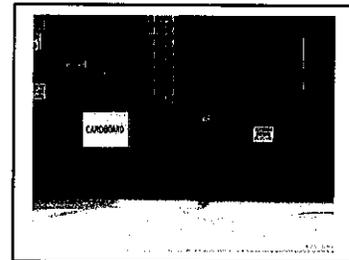
Two years later, an education coordinator with a teaching certification was added to the landfill staff. The program grew to educating children from pre-school age through high school. The program now includes an updated audio/visual program that incorporates slides and videos of the landfill construction; "Dimple Dumpster", a character designed to portray the importance of recycling by performing a skit; and handouts that promote recycling. The program materials are purchased through the state litter grant program. This program has proven to be most effective by educating the general public on how recycling efforts can help to conserve money, make money, conserve landfill space, and protect the environment.



In 1997 Bi-County carried the education program to a new level by adopting a local school in the Adopt-A-School Partnership Program. This school formed a Recycling Team and is now a role model for all of Montgomery County. The recycling team members have taken full interest in recycling, they have even collected enough milk bottles to earn a park bench made from recycled plastic; assisted with public education by volunteering at the Bi-

County Convenience Center located in their area; developed a skit that has been performed for other Montgomery County Schools and the State Solid Hazardous Waste Conference; and also participate with Bi-County SEMS in the annual Veteran's Day Parade in Montgomery County. Bi-County works hand in hand with Sango Elementary School, as well as with other schools interested in starting a program. This program has also proven to be quite effective, as the recycling rates at the convenience center in this school area have more than doubled after the program began.

The entire Montgomery County School System benefits from the recycling programs that Bi-County offers. Collection bins are located at all Montgomery County Schools to collect cardboard, cans, etc. This cuts down on the amount that the school system has to pay for trash removal, and helps the individual schools earn extra money. When the recyclables are picked up, the amounts are recorded and once the recyclables are sold, Bi-County gives part of the recycle revenues back to the schools to purchase "extra" learning tools. For the Montgomery County School System, this amounts to over \$10,000.00 per year. The recycling programs reach over 4,000 people per year with 40% of the proceeds going toward school age children.



Robertson County

Department of Sanitation Recycling Program

Description: Department of Sanitation provides public drop-off facilities. Within Robertson County may drop off recyclables including batteries, oil, plastic, glass, aluminum and other various metals at the transfer station and paper and cardboard at the convenience centers.

Education Programs: Robertson County has a Recycle Education Program handled through Thomas Young of Environmental Concepts. The education program is presented to fifth graders and to high school students within the county.

Success Level: There is concern over the market price for recycled products. Robertson County sees a need for further subsidization in order for their recycling program to continue. A total of 1,009.85 tons of recyclable materials were collected during the year 2000.

Table 6

Materials Recycled	2000 Tons
Paper:	
Corrugated Containers	4203.87
Mixed Office Paper	107.76
Old Newspaper	1212.05
Other Paper	464.00
Glass:	0.50
Clear Container Glass	56.33
Brown Container Glass	54.70
Green Container Glass	27.30
Batteries:	0.10
Lead-Acid	97.80
Mulch:	
Mulch (Yard Waste)	240.0
Compost (yard waste)	920.23
Plastics:	15.30
Mixed #1 & #2 Plastics	58.27
Metals:	
Steel Food/Beverage Cans	7.00
White Goods/Appliances	6243.39
Auto Body Scrap	100.00
Other Ferrous (Fe) Scrap	16586.00
Aluminum Food/Beverage Cans	146.20
Scrap Aluminum	427.94
Other Nonferrous Scrap	3494.33
Mixed Metals (Fe & NF)	3202.49
*= items mixed; 59.94 total weight	
Pallets	34.20
.....Other materials	4468.81
Tires (average weight = 22 lbs.)	2570.12
Oil (gallon = 7.62 lbs.)	291.23
GRAND TOTAL	40561.11

Chapter 4: Collection and Transportation

1. List collection services available in the Region (in the county or counties and cities within) and basic information regarding the services. The table heading below provides an example of how the information could be shown. The first column, marked "Service," is for identification, like house-to-house, convenience centers, or green boxes. The second column "Available to" indicates who is served by the service like: the City X (list county names if multi-county Region), rural residents along Z Road and Y Pike, or individual customers. The third column describes who pays for the service, whether local government or individual customers. The fourth column provides for a brief description which may include a number (of convenience centers, for example) and general geographic description (like "one in the north and one in the south" or "throughout the county"). For private haulers, include the name of the hauler in the description column, the phone number, and number of trucks in the fleet serving this Region. It is not necessary to make a line for each convenience center and for each green box in the county. Simply name the number of each and generally where they are in the county. For example, in the case of green boxes, this may be "6 boxes near the shore of the lake in the park".

Service	Available to	Paid for by	Description
Convenience Centers	All residents.	User fee in Montgomery and Stewart Counties.	22 Convenience centers throughout the Region
House-to-House	All residents of Montgomery and Robertson Counties. Residents of City of Dover.	Individual customers, except White House funded by city taxes	Several private contractors. See below for list.

Private Hauler Contractors:

1. Waste Management (931) 552-2797
8 trucks service Region
2. BFI 1-800-234-2232
3. Outlaw Disposal Service (931) 431-7944
4 trucks service the Region
4. Becker Sanitation (931) 552-0410
2 trucks service the Region
5. Lee Disposal Service (931) 552-8015
3 trucks service Region

6. Arthur Bailey (931) 645-9353
7. Dependable Disposal, Inc. (931) 645-5382
10 trucks service Region
8. MDI – Mark Duning Industries (931) 552-7276
28 trucks service Region
9. Queen City Trucking (931) 647-1500
4 trucks service Region
10. Austin Brothers Garbage Man (931) 503-0693
3 trucks service Region

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

Stewart County

Minimum number of convenience centers:

According to area calculations: $454 \text{ square miles} / 180 = 2.5$

According to population calculations: $12,370 / 12,000 = 1.0$

Stewart County has seven (7) convenience centers.

The City of Dover has citywide collection available through private contractors.

Montgomery County

Minimum number of convenience centers:

According to area calculations: $539 \text{ square miles} / 180 = 3.0$

According to population calculations: $134,768 / 12,000 = 11$

Montgomery County has ~~ten (10)~~ eleven (11) convenience centers.

Countywide collection is available through a variety of private collectors.

9 according to pg. 29, table 7

Robertson County

Minimum number of convenience centers:

According to area calculations: $476 \text{ square miles} / 180 = 2.6$

According to population calculations: $54,433 / 12,000 = 4.5$

Robertson County has seven (7) convenience centers.

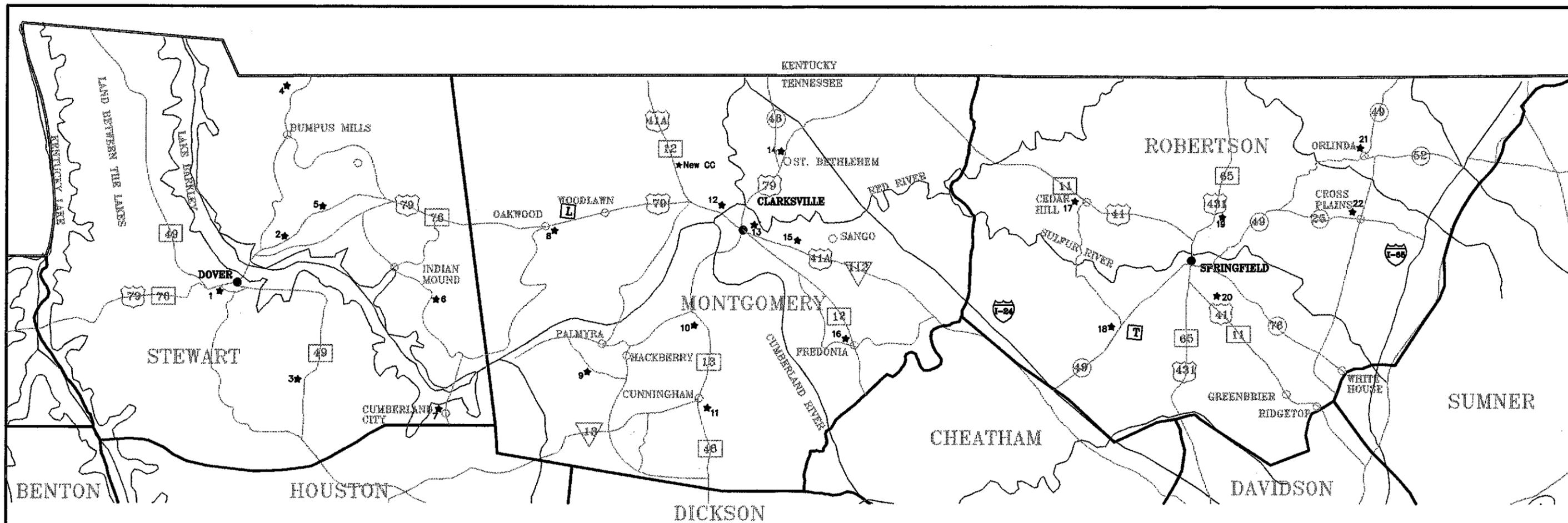
In addition, countywide collection is available through private contractors. The cities of Greenbrier and Springfield contract curbside residential pickup funded by a user fee. The city of White House performs curbside pickup funded by city taxes.

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

Include existing and proposed collection systems in the Region as part of the Regional systems map requested in the Chapter 1: Summary.

Figure 2 shows the existing collection system for the SMR Region.

Convenience centers continue to work well for the Region. Markets are more easily found for the source separated recycled materials. Those citizens that can't afford private haulers have the option of utilizing the convenience centers.



LEGEND

-  U.S. NUMBERED HIGHWAY MARKER
-  STATE PRIMARY HIGHWAY MARKER
-  CONVENIENCE CENTERS
-  STATE SECONDARY HIGHWAY MARKER
-  INTERSTATE HIGHWAY MARKER
-  LANDFILL
-  TRANSFER STATION

ENSAFE

2001-03-20
 ENVIRONMENTAL OPERATIONS DIVISION
 ENVIRONMENTAL SERVICES DIVISION
 WASTE MANAGEMENT DIVISION
 WASTE TOXIC SUBSTANCE CONTROL DIVISION

FIG. 2 SMR SOLID WASTE REGION

CONVENIENCE CENTER LOCATIONS
 STEWART, MONTGOMERY, ROBERTSON COUNTIES

3521.00.01	1:6000	04/25/01
JOB NO.	SCALE	DATE

FILE NAME: G:\A-L\BICOUNTY\DWG2001\10yrplan\04250101.dwg

SEE ATTACHED TABLES FOR CONVENIENCE CENTER ADDRESSES.
 ALL LOCATIONS ARE APPROXIMATE.

Chapter 5: Recycling

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

- Name
- Title/Employer
- Phone Number
- Address

Bi-County:

Name: Rob Dunn

Title: Recycle Market Coordinator/Bi-County

Phone Number: (931) 553-5190

Address: P.O. Box 1112 Clarksville, TN 37041

Robertson County:

Name: Randall Pugh

Title: Solid Waste Director

Phone Number: (615) 384-0683

Address: 2916 West County Farm Road,
Springfield, TN 37172

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

- ✓ For each recycling program, please provide the following information:

- Program Name
- Contact
- Phone Number
- Address
- Items accepted
- Program Description (curbside, drop-off, not-for-profit, etc.)

Program Name: Bi-County Solid Waste Management Systems

Contact: Rob Dunn

Phone Number: (931) 553-5190

Address: P.O. Box 1112 Clarksville, TN 37041

Items Accepted: Paper, glass, lead-acid batteries, mulch (yard waste), #1 & #2 plastic, metal, tires, oil.

Description: This is a publicly sponsored non-profit program, which provides Drop-off for residents and curbside pickup for businesses and schools.

Program Name: Robertson County Department of Sanitation

Contact: Randall Pugh

Phone Number: (615) 384-0683

Address: 2916 West County Farm Road, Springfield, TN 37172
Items Accepted: Paper, lead-acid batteries, building/demolition debris, metals, tires, oil, brush.
Description: Department of Sanitation provides public drop-off facilities.

Program Name: City of White House Sanitation
Contact: Randy Briley
Phone Number: (615) 672-0215
Address: 427 Industrial Drive
Items Accepted: Paper, mulch (yard waste), #1 & #2 plastic, metals.
Description: City of White House provides public curbside pickup service.

✓ **List materials processing facilities in the Region:**

- **Name of facility**
- **Owner of facility**
- **Contact**
- **Phone Number**
- **Population served by facility**
- **Types of materials processed**
- **Approximate volume processed annually**
- **Description of facility/process**
- **Address**

Name of Facility: Bi-County Solid Waste Management Systems
Owner of Facility: Montgomery County
Contact: Pete Reed
Phone Number: (931) 648-5751
Address: 3212 Dover Road, Woodlawn, TN 37191
Population Served by Facility: 141,170
Types of Materials Processed: MSW, paper, glass, lead-acid batteries, mulch (yard waste), construction/demolition debris, #1 & #2 plastic, metal, tires, oil.
Approximate Volume Processed Annually: 225,611.10 tons
Description of facility/process: solid waste processing – balefill operations, recyclable separation.

Name of Facility: Robertson County Sanitation
Owner of Facility: Robertson County
Contact: Randall Pugh
Phone Number: (615) 384-0683
Address: 2916 West County Farm Road, Springfield, TN 37172
Population Served by Facility: 54,861
Types of Materials Processed: MSW, paper, lead-acid batteries, construction/demolition debris, metals, tires, oil.
Approximate Volume Processed Annually: 24,562.20 tons
Description of facility/process: solid waste processing – separate construction debris, tires, metals, and polyurethane foam from Class I solid waste, transport.

✓ **For composting facilities in the Region:**

- **Name of facility**
- **Owner of facility**
- **Contact**
- **Phone Number**
- **Address**
- **Population served by the facility**
- **Approximate volume composted annually**
- **Description of facility/process (does the facility accept yard waste, sewer sludge, food waste, wood mulch, other?) Please differentiate municipal composting combustion facilities from tub grinders, etc.**

No composting facilities in the Region.

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

Stewart County:

Recycling results are increasing due to participation in Bi-County education program.

Montgomery County:

Recycling continues to improve. Industrial waste reduction programs are very successful. School programs are successful and expanding.

Robertson County:

There is concern over the market price for recycled products. These programs will require subsidization from tax dollars if they are to continue.

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

Table 7

Site Name	County	Items Collected	Description
Bumpus Mills CC	Stewart	Paper, glass, lead-acid batteries, #1 & #2 plastic, metal, oil.	Convenience Center
Cumberland City CC	Stewart	“ “	Convenience Center
Leatherwood CC	Stewart	“ “	Convenience Center
North Stewart Co. CC	Stewart	“ “	Convenience Center
Onion Hill CC	Stewart	“ “	Convenience Center
Robertson Hill CC	Stewart	“ “	Convenience Center
Indian Mound CC	Stewart	“ “	Convenience Center
Landfill CC	Montgomery	“ “	Convenience Center
St. Bethlehem CC	Montgomery	“ “	Convenience Center
Round Pond CC	Montgomery	“ “	Convenience Center
Sango CC	Montgomery	“ “	Convenience Center
Barge Point Road CC	Montgomery	“ “	Convenience Center
Transfer Station CC	Montgomery	“ “	Convenience Center
Fredonia CC	Montgomery	“ “	Convenience Center
Palmyra CC	Montgomery	“ “	Convenience Center
Southside CC	Montgomery	“ “	Convenience Center
Kroger Madison Street	Montgomery	“ “	Recycling Collection Point
Old Greenbrier Hwy	Robertson	Paper, cardboard	Convenience Center
431 North Site	Robertson	“ “	Convenience Center
49 Market Site	Robertson	“ “	Convenience Center
Orlinda Site	Robertson	“ “	Convenience Center
Cross Plains Site	Robertson	“ “	Convenience Center
Cedar Hill Site	Robertson	“ “	Convenience Center
County Farm Road	Robertson	Glass, plastic, lead-acid batteries, metals, oil.	Transfer Station

Figure 2 in the previous section shows the location of convenience centers within the SMR region.

Chapter 6: Disposal

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

- Name of Facility
- Owner
- Operator/Contact
- Phone Number
- Address/Location/County
- Classification of Landfill (I – IV)
 - For Class I landfill: does facility meet Federal Subtitles D regulations?
- Jurisdictions Served (Please identify by name)
- Permit Number
- Tipping fee per ton (List fee amounts)
- Special Tipping Fees (List fee amounts)
- Materials the facility receives/limits
- Does the facility produce energy?
- Transfer from where to where?

Name of Facility: Bi County Solid Waste Management

Owner: Montgomery County

Operator/Contact: Pete Reed

Phone Number: (931) 648-5751

Address/Location/County: 3212 Dover Road / Montgomery County

Classification of Landfill (I-IV): Class I and IV

Facility meets Federal Subtitle D regulations.

Jurisdictions Served: Montgomery / Stewart

Permit Number: SNL 63-102-0108m01

Tipping fee per ton: Volume Discounts \$22.00-\$33.00

Special Tipping Fees: NA

Materials the facility receives/limits: MSW / special wastes (asbestos)

Does the facility produce energy?: No

Transfer from where to where?: NA

Name of Facility: Robertson County Sanitation

Owner: Robertson County

Operator/Contact: Randall Pugh

Phone Number: (615) 384-0683

Address/Location/County: 2916 West County Farm Road / Springfield /Robertson
County

Classification of Landfill (I-IV): Transfer station only NA

Jurisdictions Served: Robertson County

Permit Number: SWP740000232

Tipping fee per ton: \$44.00

Special Tipping Fees: NA

Materials the facility receives/limits: Class I waste, metals, tires, paper, brush.
No liquids, special wastes, or hazardous waste.

Does the facility produce energy?: No

Transfer from where to where?: Robertson County to Russellville, Kentucky: 90%
Robertson County to Bi-County Landfill: 10%

2. Identify Class I waste exported from or imported to the Region. Include origin and destination. Name the relevant county and Region. The table headings below provide example formats for presenting your information.

TABLE 8
CLASS I WASTE EXPORTED

Exported to: County/Region/State	Exported to: Facility Name and Owner	Estimated Tonnage Exported from Region to Class I Landfills
Russellville, Kentucky	Southern Sanitation	27,525.69

TABLE 9
CLASS I WASTE IMPORTED

Imported from: County/Region/State	Imported to: Facility Name and Owner	Estimated Tonnage of Imported Class I Waste Disposed in the Facility
Christian County, Kentucky	Bi-County	3784.95
Cheatham Co./Cheatham/TN	Bi-County	6915.73
Dickson Co./Dickson/TN	Bi-County	434.26
Davidson Co./Davidson/TN	Bi-County	1104.32
Fort Campbell, Kentucky	Bi-County	14478.23
Trigg County, Kentucky	Bi-County	1025.28
Houston Co./Houston/TN	Bi-County	4080.50
Todd County, Kentucky	Bi-County	1139.29

Rationale: Numbers are derived from Bi-County's 2000 monthly status reports, which indicate imports from outside the Region total approximately 22% of the total Class I waste disposed at Bi-County. According to item #2 in Chapter 5 of this 5-year update, Bi-County processed approximately 97,382 tons of Class I waste during year 2000 from within the Region. Based upon the monthly status reports, it is estimated that approximately 32,963 tons of Class I waste is imported to Bi-County from outside the Region, making the total volume of Class I waste processed annually at Bi-County 130,345 tons.

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

Stewart County:

Stewart County has participated with Montgomery County in the Bi-County Solid Waste Authority since 1974. The system continues to operate very well. No changes are being considered at this time.

Montgomery County:

Disposal needs are being met in Montgomery County in an efficient and cost effective manner. With Bi-County's estimated capacity being less than ten years, Bi-county is looking to acquire additional Class I landfill space within the region. Negotiations are in progress regarding the procurement of additional land.

Robertson County:

More convenience centers are a future possibility. Plastic recyclable collection is also being considered. Robertson County started accepting brush as of June 1999. In addition, to reduce disposal costs of Class I waste, new contract negotiations are underway with a Kentucky landfill that would substantially reduce the existing disposal rates.

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

Bi-County Landfill's estimated capacity is for another 9.4 years.

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

There are no publicly held Class I landfills or incinerators in the Region.

Include existing (and any proposed) disposal facilities in the Region listed in this Chapter as part of the Regional systems map requested in the Chapter 1: Summary.

Chapter 7: Problem Wastes

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

Stewart County: Yes The county does participate in an annual hazardous waste collection service where citizens may drop off their wastes at a designated location.

Montgomery County: Yes. Twice per year, the county participates in a hazardous waste collection service where citizens may drop off their wastes at a designated location.

Robertson County: Yes The county does participate in an annual hazardous waste collection service where citizens may drop off their wastes at a designated location.

2. **Does a jurisdiction within the Region operate a permanent household hazardous waste collection center? If yes, please provide the following information:**

- Description of Center
- Date Center Opened
- Collection Center Owner
- Operator/Contact (Name, Phone No.)
- Disposal Contractor (Name, Phone No.)
- Days and Hours of Operation
- Service Available to Materials and Amounts
- Materials and Amounts Collected during past year

Bi-county landfill provides a permanent collection point for household hazardous waste for the region.

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

Montgomery County: pleased with success of state program.

Robertson County: Generally satisfied. Would like to see year-round paint collection.

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

Tire Collection Sites:

Montgomery County:

The Bi-County Landfill accepts tires for Stewart and Montgomery Counties. The tires are shredded onsite, then transported out of state to be used as mulch.

Robertson County:

A tire drop-off facility is available to Robertson County residents at the transfer station on West County Farm Road. Here the tires are raw shredded before being sent to Mac's Recycling in Sal Tillo Mississippi. The tires undergo further shredding at Mac's before being sent to a TVA TDF facility for end use to be burned as fuel. This is currently the most used procedure, but subject to variation based on end user availability.

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

Bi-County:

Satisfied with State program but will soon initiate program to convert tires to Tire Derived Fuel (TDF). Company will sell product to TDF users and will allow county to count volume as waste reduction. County will pay \$45.00 per ton.

Robertson County:

Satisfied with the current system.

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

No problems with waste tire dumping.

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

Include existing and proposed problem waste disposal facilities in the Region listed in this Chapter as part of the Regional systems map requested in the Chapter 1: Summary.

All convenience centers in Montgomery and Stewart counties have facilities for collection of lead-acid batteries as well as oil and auto fluid. See list of convenience centers in item #4 in chapter 5 of this document. The transfer station in Robertson County accepts lead-acid batteries, used oil and other auto fluids.

Chapter 8: Solid Waste Education

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

- Name
- Organization/sponsor
- County(ies)
- Phone number
- Address
- Target participants
- Description of activities

Name: Mary Anderson

Organization/sponsor: Bi-County Solid Waste

County(ies): Stewart, Montgomery

Phone Number: (931) 648-5751

Address: P.O. Box 1112 Clarksville, TN 37041

Target Participants: schools, government, civic groups, industry.

Description of activities: video presentations, slide shows, "Dimple Dumpster" skits for young school children. Bi-County has put together a goody-bag called "Pete's Pack" filled with items made from recycled materials for participants in educational programs.

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

Bi-County:

Bi-County educational program is working well.

Robertson County:

No outstanding needs.

Chapter 9: Flow Control and Permit Review

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

All wastes brought into the region are either brought to the Bi-County landfill or the Robertson county transfer station, where the SMR region can attempt to control the flow of waste.

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

No, the Region does not see any outstanding issues with regard to permit review or flow control.

Chapter 10: Five-Year Plan Update Review

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

Public notice regarding preparation of the Five-year Update to the Region's ten year solid waste plan and the associated public hearing on the plan was given in the April 25,2001 issue of the Leaf Chronical and the April 25,2001 edition of the Robertson County Times. The Leaf Chronicle is distributed in both Stewart and Montgomery counties. The public notices provided locations and times of the public hearings where a copy of the plan could be reviewed. A copy of the public notices can be found in Appendix B. The public hearing was held on May 7, 2001 at the Montgomery Board of education in Clarksville. No written and/or verbal comments were received on the plan.

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

Local planning commissions for Stewart and Montgomery counties were verbally notified regarding the Five Year Update to the solid waste plan. Included in Appendix B are copies of the notification letters sent to the local planning commissions within Robertson County.

Comments were received from the city of White House Sanitation Department regarding the inclusion of a "user fee" within the draft of the five year plan. Information received from the city of White House was used to edit the draft regarding curbside collection and user fees for that collection.

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

The five year update to the Region's ten year solid waste plan was reviewed and approved by the Stewart and Montgomery County Commissions on May 14, 2001 and the Robertson County Commission on May 21, 2001. A copy of the resolution passed by each county commission is included in Appendix B.

BICOUNTY TEN YEAR ESTIMATED BUDGET

Year	Waste Pickup	Convenience Center	Transfer Stations	Landfill Operation & Maintenance	Postclosure Care Costs	Total Estimated Cost	Revenue
1998	392,037.07	244,855.18	94,560.38	3,602,103.13	21,218.62	4,354,774.38	5,446,223.37
1999	518,342.57	532,145.00	131,829.00	4,818,955.25	100,000.00	6,101,271.82	5,994,137.50
2000	529,019.00	546,176.00	134,554.00	4,382,203.00	105,000.00	5,696,952.00	5,920,663.00
2001	555,469.95	573,484.80	141,281.70	4,601,313.15	110,250.00	5,981,799.60	6,216,696.15
2002	583,243.45	602,159.04	148,345.79	4,831,378.81	115,762.50	6,280,889.58	6,527,530.96
2003	612,405.62	632,266.99	155,763.07	5,072,947.75	121,550.63	6,594,934.06	6,853,907.51
2004	643,025.90	663,880.34	163,551.23	5,326,595.14	127,628.16	6,924,680.76	7,196,602.88
2005	675,177.20	697,074.36	171,728.79	5,592,924.89	134,009.56	7,270,914.80	7,556,433.02
2006	708,936.06	731,928.08	180,315.23	5,872,571.14	140,710.04	7,634,460.54	7,934,254.68
2007	744,382.86	768,524.48	189,330.99	6,166,199.69	147,745.54	8,016,183.57	8,330,967.41
2008	781,602.00	806,950.70	198,797.54	6,474,509.68	155,132.82	8,416,992.75	8,747,515.78
2009	820,682.10	847,298.24	208,737.42	6,798,235.16	162,889.46	8,837,842.38	9,184,891.57
2010	861,716.21	889,663.15	219,174.29	7,138,146.92	171,033.94	9,279,734.50	9,644,136.15

ROBERTSON COUNTY TEN YEAR ESTIMATED BUDGET

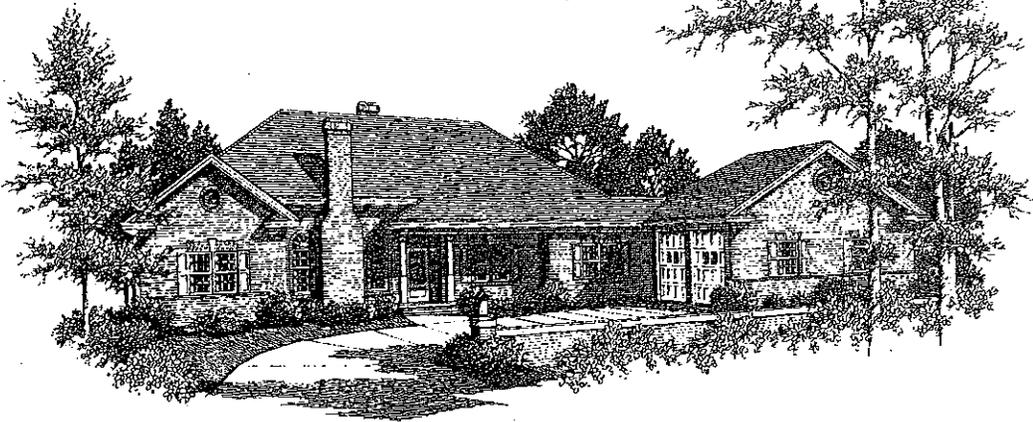
Year	Convenience Center	Transfer Stations	Recycling Center	Postclosure Care Costs	Other Charges	Total Estimated Cost	Income
1999	144,214.00	848,779.00	28,977.00	116,373.00	29,940.00	1,168,283.00	1,079,393.00
2000	163,292.00	963,055.00	36,556.00	93,159.00	41,438.00	1,297,500.00	1,167,000.00
2001	168,162.00	1,126,451.00	35,558.00	90,944.00	43,885.00	1,465,000.00	1,367,000.00
2002	176,570.10	1,082,773.55	37,335.90	95,491.20	46,079.25	1,438,250.00	1,435,350.00
2003	185,398.61	1,136,912.23	39,202.70	100,265.76	48,383.21	1,510,162.50	1,507,117.50
2004	194,668.54	1,193,757.84	41,162.83	105,279.05	50,802.37	1,585,670.63	1,582,473.38
2005	204,401.96	1,253,445.73	43,220.97	110,543.00	53,342.49	1,664,954.16	1,661,597.04
2006	214,622.06	1,316,118.02	45,382.02	116,070.15	56,009.62	1,748,201.86	1,744,676.90
2007	225,353.16	1,381,923.92	47,651.12	121,873.66	58,810.10	1,835,611.96	1,831,910.74
2008	236,620.82	1,451,020.11	50,033.68	127,967.34	61,750.60	1,927,392.56	1,923,506.28
2009	248,451.86	1,523,571.12	52,535.36	134,365.71	64,838.13	2,023,762.18	2,019,681.59
2010	260,874.46	1,599,749.68	55,162.13	141,083.99	68,080.04	2,124,950.29	2,120,665.67

Leaf Chronicle
April 25, 2001

**Public hearing on
county solid waste
plans scheduled**

A public hearing about the five-year solid waste management plan for Stewart, Robertson and Montgomery counties will be held at 7 p.m. May 7 at the Clarksville-Montgomery County Board of Education, 621 Gracey Ave.

April 25, 2001
Robertson Co Times



UPSCALE BRICK HOME

Luxury Master Suite Designed as a Haven



© BY W.D. FARMER, F.A.I.B.D.

A private foyer leads guests into the enormous great room. A fireplace warms activity throughout this room and is bordered by bookshelves.

Open and adjacent is the octagonal breakfast room, which is surrounded by windows and emphasizes the outdoors. This area and a rear wall of windows envelop the occupants in light, openness and luxury. A wrapping sun deck is ideal for outdoor entertaining.

The kitchen includes a desk for menu planning and an island cabinet to aid in meal preparation. Ease of passage from room to room easily entertains large gatherings. The large dining room is secluded for private formal dining.

There is a laundry room with freezer space, cabinets, and pantry. Stair access to the lower level is from here. The lower level does not lack in attractive special amenities, including a play room adorned with a corner octagonal sitting area, flooded with light, creating a great place to read a good book. The play room itself is suitable to the individual

needs of the household.

The bedrooms upstairs are elegance and grace perfected. The master suite includes deck access, a huge spa bath and enormous walk-in closet. An additional bedroom interconnects to a hall bath. There is a library with a fireplace flanked by arched windows, as its focal point, and built-in book shelves on the opposite wall.

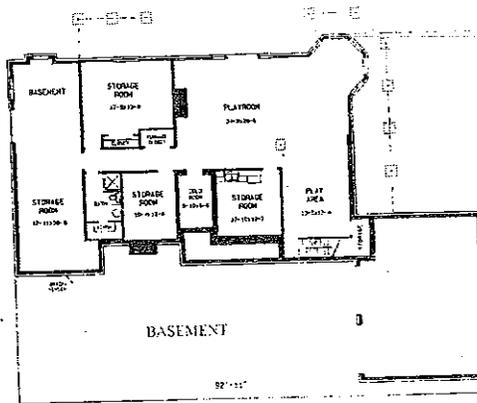
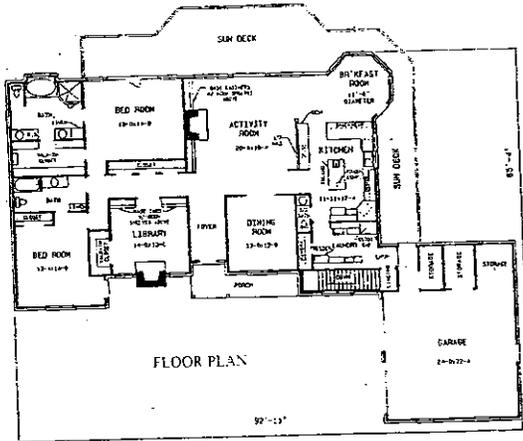
Closets, storage and more closets, pack away seasonal items easily, throughout the home.

Plan number 2660 includes 2,639 square feet of space on the main level,

and 1,427 square feet of finished spa on the lower level.

Multiple rooflines, accented by trim pieces and a variety of window treatments are all custom details. All W. Farmer plans include construction details for substituting brick, frame or stucco exterior finish.

To receive an information packet our plans, call W. D. Farmer Resident Designer, Inc. at 1-800-225-7526 or 800-221-7526 in Georgia. You can also request the information at P. O. I 450025, Atlanta, GA 31145. Visit Web site: www.wdfarmerplans.com.



NOTICE OF PUBLIC HEARING

In accordance with Tennessee Law codified at T.C.A. 68-211-814 (b) (6) Notice is hereby given that Stewart, Montgomery and Robertson Solid Waste Planning Region as prescribed by Tennessee law shall conduct a public hearing regarding development of a five-year update to the Municipal Solid Waste Regional Plan for Stewart, Montgomery and Robertson Counties. The public is invited to attend. The meeting will be held at 7:00 P.M., May 7, 2001, at the Board of Education at 621 Gracey Avenue, in Clarksville, Tennessee.



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May 18
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April 30, 2001

City of White House
P.O. Box 69
White House, TN 37188

Re: 5-Year Update to the Solid Waste Management Plan

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the SMR Region Solid Waste Ten-Year Plan is available for your review at the County Executive's office.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the May 21, 2001 Solid Waste board meeting, you may do so by contacting:

Shaun Winter
EnSafe, Inc.
220 Athens Way, Suite 410
Nashville, TN 37228
(615) 255-9300

Sincerely,

Shaun Winter
Ensafe, Inc.

pc: Roy Apple Robertson County Executive
Gene E. Cook Member, Robertson County
Walton Plummer Member, Cities of White House, Greenbrier and Springfield
Randall Pugh Director, Robertson County Solid Waste Department



ENSAFE INC.

ENVIRONMENTAL AND MANAGEMENT CONSULTANTS

220 Athens Way, Suite 410 • Nashville, Tennessee 37228 • Telephone 615-255-9300 • Facsimile 615-255-9345 • www.ensafe.com

April 30, 2001

City of Springfield
P.O. Box 788
Springfield, TN 37172

Re: 5-Year Update to the Solid Waste Management Plan

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the SMR Region Solid Waste Ten-Year Plan is available for your review at the County Executive's office.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the May 21, 2001 Solid Waste board meeting, you may do so by contacting:

Shaun Winter
EnSafe, Inc.
220 Athens Way, Suite 410
Nashville, TN 37228
(615) 255-9300

Sincerely,

Shaun Winter
Ensafe, Inc.

pc: Roy Apple Robertson County Executive
Gene E. Cook Member, Robertson County
Walton Plummer Member, Cities of White House, Greenbrier and Springfield
Randall Pugh Director, Robertson County Solid Waste Department



ENSAFE INC.

ENVIRONMENTAL AND MANAGEMENT CONSULTANTS

220 Athens Way, Suite 410 • Nashville, Tennessee 37228 • Telephone 615-255-9300 • Facsimile 615-255-9345 • www.ensafe.com

April 30, 2001

City of Greenbrier
P.O. Box 466
Greenbrier, TN 37073

Re: 5-Year Update to the Solid Waste Management Plan

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the SMR Region Solid Waste Ten-Year Plan is available for your review at the County Executive's office.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the May 21, 2001 Solid Waste board meeting, you may do so by contacting:

Shaun Winter
EnSafe, Inc.
220 Athens Way, Suite 410
Nashville, TN 37228
(615) 255-9300

Sincerely,

Shaun Winter
Ensafe, Inc.

pc: Roy Apple Robertson County Executive
Gene E. Cook Member, Robertson County
Walton Plummer Member, Cities of White House, Greenbrier and Springfield
Randall Pugh Director, Robertson County Solid Waste Department

SMR REGIONAL PLANNING BOARD
P.O. BOX 1112
CLARKSVILLE, TENNESSEE 37041-1112

May 7, 2001

MEMORANDUM

To: Members of the SMR Municipal Solid Waste Region Board

Subject: Notice of Meeting

* From: Joe L. Creek, Chairman

This is a reminder that our next SMR Municipal Solid Waste Region Board meeting will be held on Monday, May 14, 2001, at 8:30 A.M.

The meeting will be held at the Montgomery County Executive's Office, which is located in the lower level of AmSouth Bank. AmSouth Bank is located at 126 Main Street, Clarksville, Tennessee.

This is a special meeting to approve the final edition of the Five Year Update for the SMR Region.

Thank you in advance for your attendance.

JLC/mca

* Douglas Weiland- Montgomery County Executive
x David Wallace- Stewart County Executive
x Roy Apple- Robertson County Executive
Betty Gibbs- Member, Stewart County
Gene E. Cook- Member, Robertson County
David Haines- Member, City of Clarksville
Walton Plummer- Member, Cities of Whitehouse, Greenbrier, and Springfield
x Pete Reed- Director, Bi-County Solid Waste Management System and Education
Director for the Region
Phil Armor- Greater Nashville Regional Council
Randall Pugh- Director, Robertson County Landfill
Larry Hayes- EMPE, Inc. Representative

**A RESOLUTION OF THE MONTGOMERY COUNTY, TENNESSEE
BOARD OF COMMISSIONERS APPROVING THE FIVE-YEAR UPDATE
TO THE SMR REGION SOLID WASTE TEN-YEAR PLAN**

WHEREAS, the Montgomery County Board of Commissioners is committed to meeting State and Federal mandates on economic and safe disposal of solid waste; and

WHEREAS, the Montgomery County Board of Commissioners desires to meet the requirements of the Tennessee Solid Waste Management Act of 1991 including the development and submittal of the Five-year Update to the Montgomery County Solid Waste Region's Ten-year Plan in accordance with Tennessee Code Annotated 68-211-814(a)(2); and

WHEREAS, the Montgomery County Board of Commissioners has reviewed and conducted a Public Hearing on the Five-year Update in accordance with Tennessee Code Annotated 68-211-814(b)(6).

NOW, THEREFORE, BE IT RESOLVED by the Montgomery County Board of Commissioners meeting in regular session on this 14th day of May, 2001, that the Five-year Update to the SMR Solid Waste Region's Ten-year Plan is approved and does hereby recommend submission of the Plan to the State of Tennessee Department of Environment and Conservation, Division of Community Assistance.

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

Duly passed and approved this 14th day of May, 2001.

Sponsor

Joel Acob

Commissioner

John R. Brown

Approved

Stephen Whitford
County Executive

Attested

Wilma K. Dyer
County Clerk

01-5-2:

On motion to adopt by Commissioner Creek, seconded by Commissioner Skinner, the foregoing resolution was adopted by the following roll call vote:

AYES: Elizabeth Rankin, Brenda E. Radford, Sammy Stuard, Benny F. Skinner, Barry L. Bellamy, R. Q. Old, Ruth A. Milliken, Sidney R. Brown, Jack Nagrod, Joe L. Creek, John O. Morris, Jr., Reber P. Kennedy, Jr., Loretta J. Bryant, Nancy Kahihikolo, Ginger Miles, Lettie M. Kendall, Pat Vaden, Mabel B. Steeley and Suzanne A. Uffelman (19).

NOES: Lewis Baggett (1).

ABSENT: Larry W. Foster (1).

10.A-2

RESOLUTION NO. 052101046

RESOLUTION APPROVING THE FIVE-YEAR UPDATE TO THE
SMR REGION SOLID WASTE TEN-YEAR PLAN

WHEREAS, the Robertson County Commission is committed to meeting State and Federal mandates on economic and safe disposal of solid waste; and

WHEREAS, the Robertson County Commission desires to meet the requirements of the Tennessee Solid Waste Management Act of 1991 including the development and submittal of the Five-year Update to the Stewart County Solid Waste Region's Ten-year Plan in accordance with Tennessee Code Annotated 68-211-814 (a)(2); and

WHEREAS, the Robertson County Commission has reviewed and a Public Hearing has been conducted on the Five-year Update in accordance with Tennessee Code Annotated 68-211-814 (b)(6).

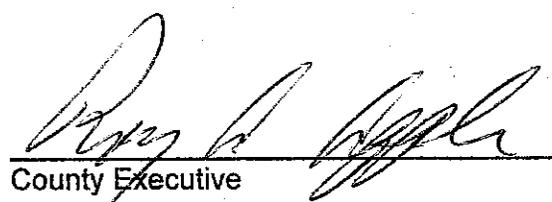
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of Robertson County, Tennessee meeting in regular session on this 21st day of May 2001, a majority or more of the membership concurring that the Robertson County Commission does hereby approve the Five-year update to the SMR Solid Waste Region's Ten-year Plan and does hereby recommend submission of the Plan to the State of Tennessee Department of Environment and Conservation, Division of Community Assistance.

BE IT FURTHER RESOLVED this Resolution shall take effect from and after its passage, the public welfare requiring it.

Done this May 21, 2001.

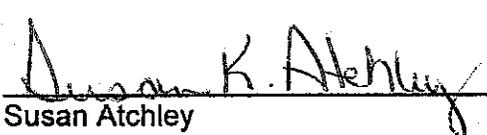


County Commissioner

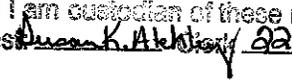


County Executive

Attest:



Susan Atchley
County Clerk

STATE OF TENNESSEE, ROBERTSON COUNTY
I, Susan K. Atchley Clerk of County Court do hereby
certify that this is a exact copy of
Solid Waste Ten Year Plan as appears of record
on file in my office in _____ Book - Page _____
and I am custodian of these records according to law
Attest  Day May 2001

RESOLUTION NO 5-14-01

A RESOLUTION OF THE STEWART COUNTY, TENNESSEE BOARD OF COMMISSIONERS APPROVING THE FIVE-YEAR UPDATE TO THE SMR (STEWART, MONTGOMERY AND ROBERTSON COUNTIES) MUNICIPAL SOLID WASTE REGION BOARD TEN-YEAR PLAN.

WHEREAS, the Stewart County Commission is committed to meeting State and Federal mandates on economic and safe disposal of solid waste; and

WHEREAS, the Stewart County Commission desires to meet the requirements of the Tennessee Solid Waste Management Act of 1991 including the development and submittal of the Five-year Update to the Stewart County Solid Waste Region's Ten-year Plan in accordance with Tennessee Code Annotated §68-211-814 (a)(2); and

WHEREAS, the SMR Board has developed, reviewed, and conducted a Public Hearing on the Five-year Update in accordance with Tennessee Code Annotated §68-211-814 (b)(6).

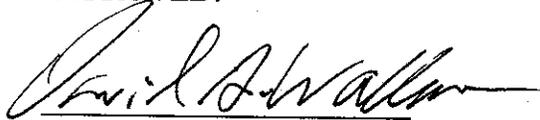
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of Stewart County, Tennessee, meeting in a special called session on this 14th day of May 2001, a majority or more of the membership concurring that the Stewart County Commission does hereby approve the Five-year Update to the SMR Solid Waste Region's Ten-year Plan and does hereby recommend submission of the Plan to the State of Tennessee Department of Environment and Conservation, Division of Community Assistance.

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

VOTES: Aye 12

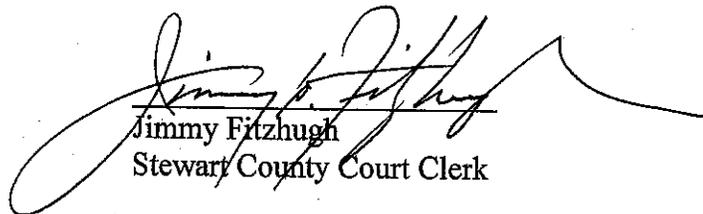
Nay 0

APPROVED:



David G. Wallace
Stewart County Executive

ATTESTED:



Jimmy Fitzhugh
Stewart County Court Clerk



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

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

March 5, 2001

Mr. Joe Creek
Chairman, Stewart/Montgomery/Robertson Co Municipal SW Planning Region
912 Lafayette Road
Clarksville, TN 37042

RE: Five-year Update to Ten-year Solid Waste Plan
Stewart-Montgomery-Robertson County SW Region *63*
Region Member(s): Stewart, Montgomery, Robertson
Update Due — May 20, 2001

Dear Mr. Creek:

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 Stewart-Montgomery-Robertson County Region's Ten-year plan was approved on May 20, 1996; therefore, your Five-year Update is due to this office by *May 20, 2001*. 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 SW Needs Assessment(s) for the counties and municipalities within your region were received on March 31, 1999. Please contact Mr. Phil Armor with the Greater Nashville Regional Council to determine the status of your Region's Needs Assessment report. The Needs Assessments 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 questions please contact Becky Gorham with Division of Community Assistance at 615-532-0744.

Sincerely,

Ron Graham

Ron Graham
Director

RG:RPG:lr

C: The Honorable David Wallace, Stewart County Executive
The Honorable Douglas Weiland, Montgomery County Executive
The Honorable Roy A. Apple, Robertson County Executive
Mr. Phil Armor, Greater Nashville Regional Council
Mr. Pete Reed, Solid Waste Director, Montgomery County
Stewart County Solid Waste Director
Mr. Randy Pugh, Solid Waste Director, Robertson County
Mr. Mike Stooksberry, SW Management Consultant
Mr. Chuck Head, Manager, Nashville Environmental Assistance Center