

68-211-815. Municipal solid waste region plans - Contents.

(a) Each plan and revised plan submitted by a municipal solid waste region pursuant to this part shall 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.	Chapter(s) where addressed in guidelines
(b) At a minimum, each plan and revised plan submitted by a municipal solid waste region shall include the following:	
(1) Demographic information;	2
(2) A current system analysis of:	
(A) Waste streams , including data concerning types and amounts generated;	3
(B) Collection capability , including data detailing the different types of collection systems and the populations and areas which receive and do not receive such services;	4
(C) Disposal capability , including an analysis of the remaining life expectancy of landfills or other disposal facilities;	6
(D) Costs , using a full-cost accounting model developed by the commissioner, including costs of collection, disposal, maintenance, contracts and other costs; and	2
(E) Revenues , including cost reimbursement fees, appropriations and other revenue sources;	2
(3) Adoption of the uniform financial accounting system required by § 68-211-874;	2
(4) Anticipated growth trends for the next ten-year period;	3
(5) Anticipated waste capacity needs;	6
(6) Planned capacity assurance, including descriptions of planned or needed facilities;	6
(7) A recycling plan, including a description of current public and private recycling efforts and planned efforts to enhance recycling within the county or region;	5
(8) A plan for the disposal of household hazardous wastes;	7
(9) Adoption of uniform reporting requirements as required by this part;	
(10) A description of waste reduction activities designed to attain the twenty-five percent (25%) reduction required by § 68-211-861;	3
(11) A description of education initiatives aimed at businesses, industries, schools, citizens and others, which addresses recycling, waste reduction, collection and other goals of this part;	3, 8
(12) An evaluation of multi-county solid waste disposal region options with an explanation of the reasons for adopting or failing to adopt a multi-county regional approach;	2
(13) A timetable for implementation of the plan;	1
(14) A description of the responsibilities of the various participating jurisdictions;	1, 2, 3
(15) A certification from the region's part 9 solid waste authority, if such an authority has been formed, or if no such authority has been formed, the county legislative body of each county in the region that they have reviewed and approved of the region's plan and/or revised plan; and	10
(16) Any other information as the commissioner may deem relevant to the implementation of this part.	



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

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

December 4, 2001

Mr. Ronald Lindsey, Chairman
Cocke County Municipal SW Planning Region
697 North Street
Newport, TN 37821

RE: Five-year Update to Ten-year Solid Waste Plan
Cocke County Municipal SW Planning Region 15

Dear Mr. Lindsey:

Thank you for your submission of the Cocke County Municipal SW Planning Region County Five-year Update to Ten-year Solid Waste Plan. We received your plan on December 3, 2001. Division staff will complete the review within the next 90 days as required by The Solid Waste Act of 1991.

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

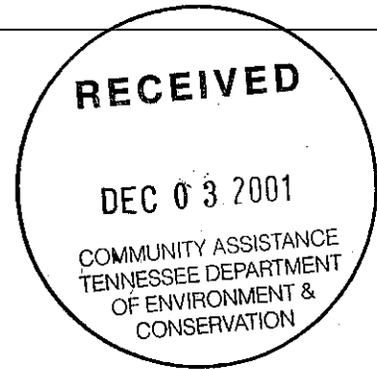
Sincerely,

Becky Gorham

Becky Gorham

RPG:pag

cc: The Honorable Charles Lewis Moore, Cocke County Executive
Cocke County Solid Waste Director
Mr. Mitch Loomis, (SWM), East TN Development District
Ms. Chris Garkovich, SW Management Consultant, CTAS
Mr. Mark Penland, EC, Knoxville Environmental Assistance Center



DATE: November 28, 2001

TO: Brian Canada, Community Assistance

FROM: Mitchell Loomis *ML*

SUBJECT: 5 year plan update for Cocke County

Enclosed is the 5 year plan update.

If you have any questions, please give me a call at 584-8553.

With kindest wishes and best regards.

Cocke County Region



Ten Year Solid Waste Plan

Five Year Update

November 12,2001

Appendix

Chapter 1 - Summary

Chapter 2 - General Information

Chapter 3 - Waste Stream

Chapter 4 - Collection and Transportation

Chapter 5 - Recycling

Chapter 6 - Disposal

Chapter 7 - Problem Wastes

Chapter 8 - Solid Waste Education

Chapter 9 - Flow Control and Permit Review

Chapter 10 - Five Year Plan Update Review

Cocke County Regional Solid Waste

5-year Plan Update

Executive Summary

The Cocke County Region was established as a single county region in 1996 and has continued to operate as a single county region. The region is made up of one county, Cocke and two cities, Newport and Parrottsville. The region encompasses 421.24 square miles with a population of 33,565. The region has rural characteristics which features the Cherokee National Forest and the Great Smokey Mountains National Park. The urban population makes up 22% of the total population of Cocke County.

The Cocke County Region is represented by a five member solid waste board. The board was established under the guidelines of the Solid Waste Management Act of 1991. The Board meets when needed to discuss solid waste issues and set solid waste policies.

It should be noted that the many of the activities established in the original ten year plan have been implemented within the first five years. The next five years will see a lot of the same activities going on with some fine tuning taking place.

In the Year 2000, the region of Cocke County generated 21,313 tons of refuse of which 66% or 14,137 tons were disposed of in a Class I landfill, 23% or 4,935 tons of waste was diverted to a Class IV landfill, 3.4% or 741 tons of waste was recycled through a variety of industrial, commercial, county and city activities and 7% or 1,500 tons of waste was diverted through mulching practices. Some of the recycling activities includes the county providing drop off sites at the convenience centers that allow for the collection of newspaper, cardboard, plastic, white goods

and mixed metals. The recyclable materials are transported to the City of Newport Recycling Center for collection and preparation for the market place. The City of Newport provides door to door collection of recyclables and also provides a drop off site at their recycling center. Recyclable materials collected by the City of Newport are newspaper, cardboard, plastic, white goods, and mixed metals. The City of Parrottsville currently does not provide any recycling services. Residents in both the County and City have the opportunity to have their brush and leaves either collected or hauled to a designated site. The leaves and brush are then processed into a mulching material that is used by the governments and its citizens. Newport will be adding glass to their recyclable materials that is collected and processed within the next year. No other changes within the next five years is planned for the County and Cities. Tire collection is done at the landfill with the placement of the tires into trailers that are hauled when full to an end user by way of a private hauler. Unless the State discontinues the State Tire grant, the region will continue the same method of tire handling for the next ten years.

The Coker County region collects refuse from their citizens in two distinct ways. The City of Newport provide door to door collection and the waste is taken to the landfill in Hamblen County by way of a private hauler. Coker County provides collection of Class I waste through a network of convenience centers. The waste is picked up and hauled to a landfill in Hamblen County by a private hauler. The City of Newport will continue with their door to door collection and the County will continue using the convenience centers for collection of solid waste for the next ten years.

The Coker County region just signed a 5 year contract with an automatic renewal with Tidi-Waste for the waste to be taken to Class I landfill, which is currently located in Hamblen County.

The Cocke County Region will continue to operate at least one Household Hazardous Waste (HHW) event per year over the next 10 years. The collection of HHW at the convenience centers has been discussed, but would need changes in the current law before such action can take place. Paint and land chemicals will still be the most prominent waste taken in at the HHW events. Waste tires that were discussed under the recycling section will continue to be handled the same way over the next 10 years.

The Cocke County Region relies upon the Keep America Beautiful organization to handle the education of solid waste to the general public.

Currently, the Region of Cocke County makes no attempts to provide flow control and has no intentions to attempt flow control within the next 10 years.

The regional implementation schedule and flow chart are shown in the appendix. The regional 10 year solid waste budget total is shown in the following chart on the next page.

10 Year Solid Waste Budget For Cocke County Region

	Waste Pick-up & Disposal	Landfill Operation	Litter & Trash Collection	Post Closure Care	Debt Service	Education	Grand Total
FY 2001	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2002	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2003	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	2,000.00	\$1,615,068
FY 2004	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	2,000.00	\$1,615,068
FY 2005	\$496,000.00	\$360,269.00	\$480,784.00	\$0	\$0	\$2,000.00	\$1,665,068
FY 2006	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2007	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2008	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2009	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2010	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068

Chapter 1:

Implementation Schedule

Ten Year Implementation Schedule for Recycling Program

Recycling:	01	02	03	04	05	06	07	08	09	10	Responsible Party	\$ Annual Amount	Funding Source
Encourage Industrial/ Commercial	X										County/CIS	N/A	N/A
Integrate Recycling with Convenience Centers	X	X									County	Varies	Various
Increase types of Recyclable Materials at convenience centers		X		X		X		X		X	County	\$0	Self Funded
Integrate Recycling With Door-to-Door Collection	X										Cities:	Varies	Solid Waste Fee
Educate the Public	X										County	N/A	State Grants/Private
Purchase Recycling Equipment	X	X	X	X	X	X	X	X	X	X	County/Cities	\$25,000	State Grants
Plan Updates	X					X					Solid Waste Board	N/A	N/A
Annual Reports and Data Collection	X	X	X	X	X	X	X	X	X	X	Solid Waste Board	N/A	N/A

Ten Year Implementation Schedule for Collection Program

Collection:	01	02	03	04	05	06	07	08	09	10	Responsible Party	\$ Annual Amount	Funding Source
Continue Door to Door Collection	X										Cities & Private Haulers	Varies	Solid Waste Fee
Construct & Purchase Equipment for Convenience Centers	X										County	N/A	State Grant and General Fund
Manned Convenience Centers	X										County	\$214,000	General Fund
Plan Update	X					X					Solid Waste Board	N/A	N/A
Annual Reports	X	X	X	X	X	X	X	X	X	X	Solid Waste Board	N/A	N/A

Ten Year Implementation Schedule for Disposal of Solid Waste

Disposal	01	02	03	04	05	06	07	08	09	10	Responsible Party	\$ Annual Amount	Funding Source
Post Closure Care	X	X	X	X	X	X	X	X	X	X	County	\$0	County
Disposal of Solid Waste					X						Private Firm	\$461,000	County
Plan Update	X					X					Solid Waste Board	N/A	N/A
Annual Report	X	X	X	X	X	X	X	X	X	X	Solid Waste Coordinator	N/A	N/A

Ten Year Implementation Schedule for Education Program

Education	01	02	03	04	05	06	07	08	09	10	Responsible Party	\$ Annual Amount	Funding Source
Enforce Illegal Dumping	X										Sheriff Dept., THP & General Sessions Court	N/A	N/A
Hire Education Coordinator	X										County	\$2,000.00	General Fund
Plan Updates	X					X					Solid Waste Board	N/A	N/A
Annual Reports	X	X	X	X	X	X	X	X	X	X	Solid Waste Coordinator	N/A	N/A

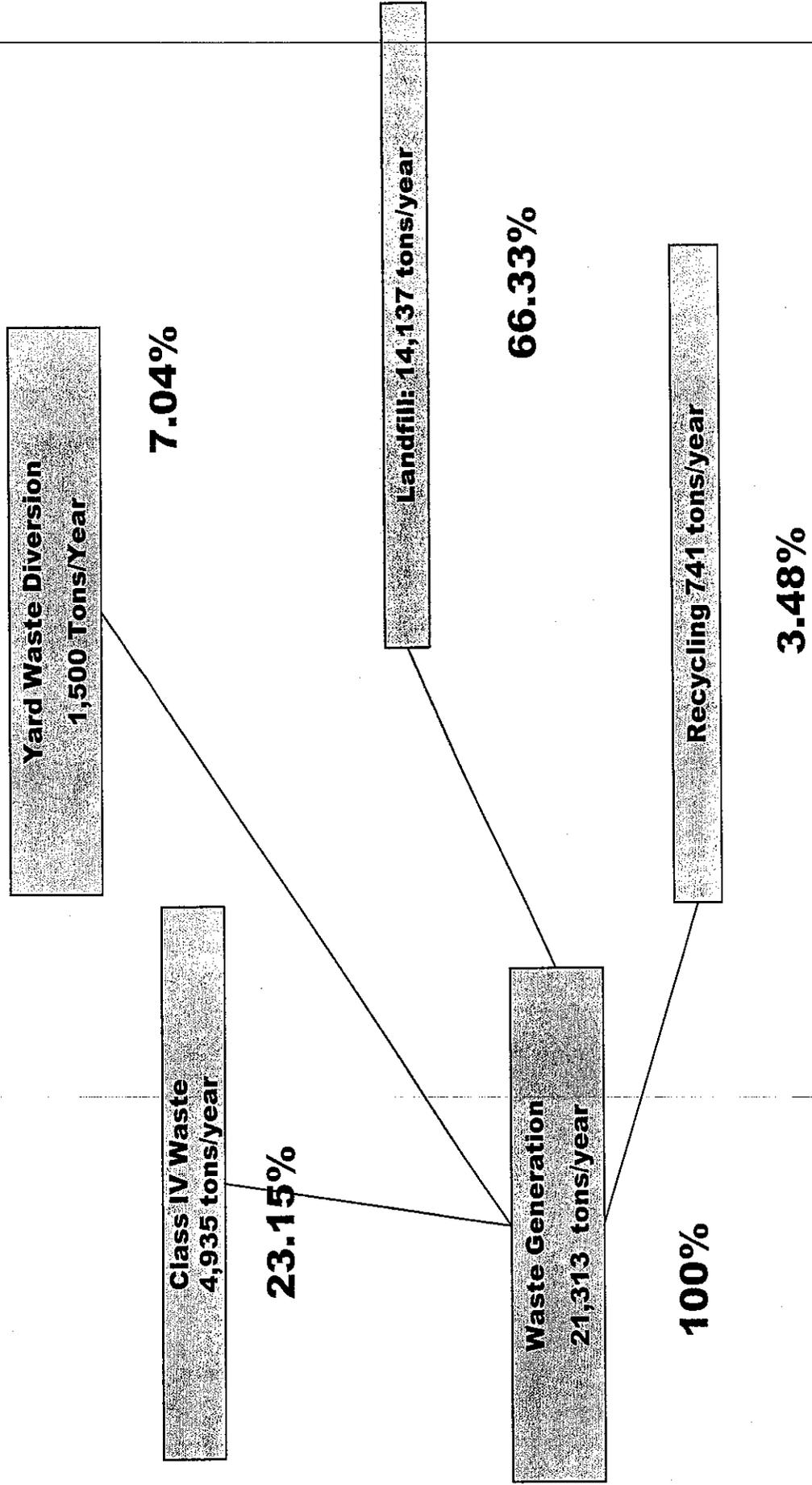
Ten Year Implementation Schedule for Household Hazardous Waste

HHW	01	02	03	04	05	06	07	08	09	10	Responsible Party	\$ Annual Amount	Funding Source
Used State's Mobile Equipment	X	X	X	X	X	X	X	X	X	X	Solid Waste Board	\$1000	Tipping Fee
Publicize HHW Sites	X	X	X	X	X	X	X	X	X	X	Solid Waste Board	\$1000	Tipping Fee
Establish Tire Storage Site	X										Regional Landfill	N/A	State Grant
Integrate HHW Sites with Convenience Centers					X						County	\$10,000	State Grant
Contract with Private Hauler for Disposal of Tires	X										County	TBD	State Grant
Plan Update	X					X					Solid Waste Board	N/A	N/A
Annual Reports	X	X	X	X	X	X	X	X	X	X	Solid Waste Coordinator	N/A	N/A

Chapter 1:

Flow Diagram

Flow Chart for Cocke County Region

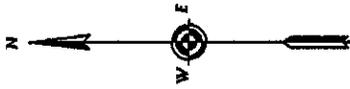
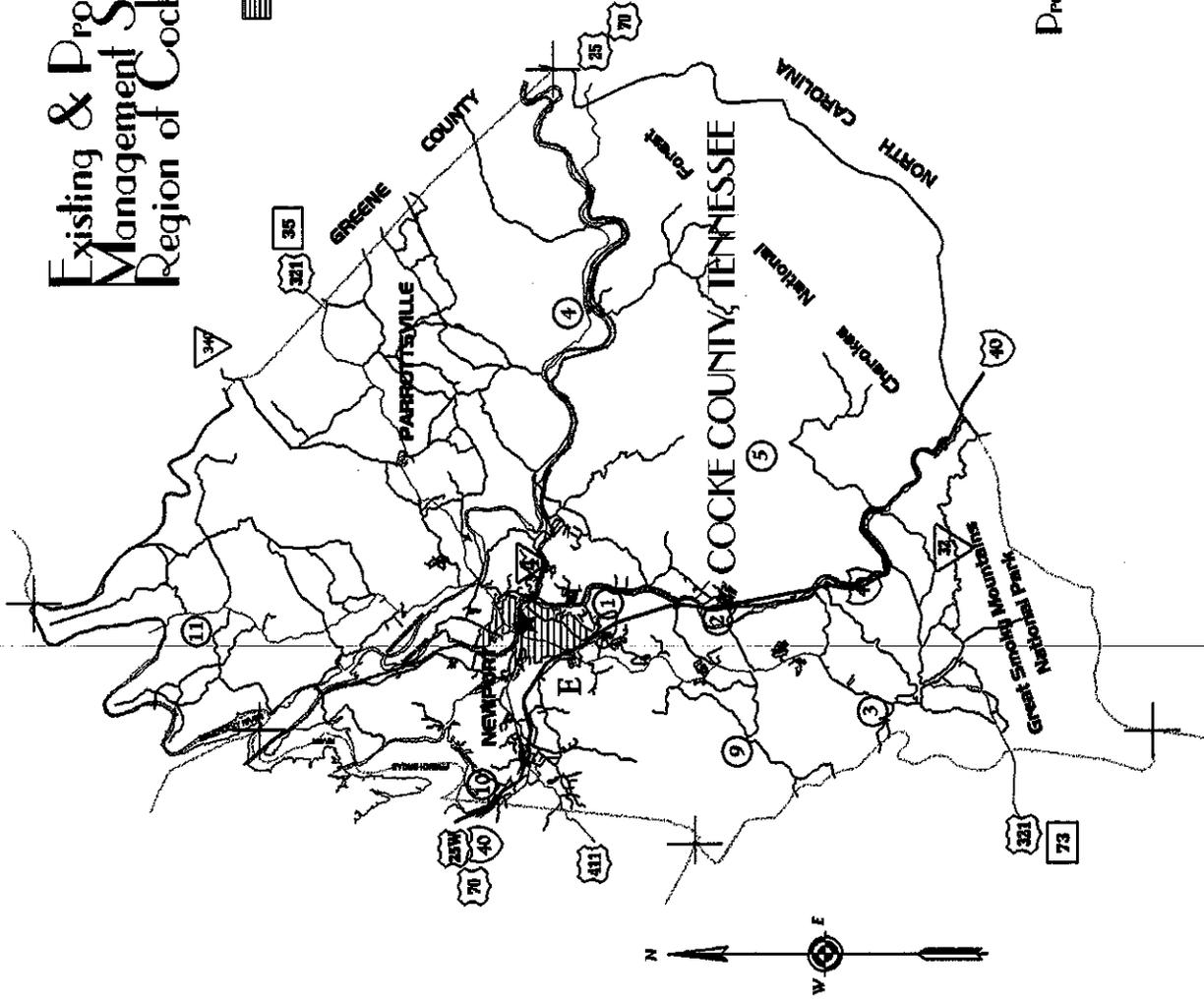


Chapter 1 :

Maps

Existing & Proposed Solid Waste Management System for the Region of Cocke County

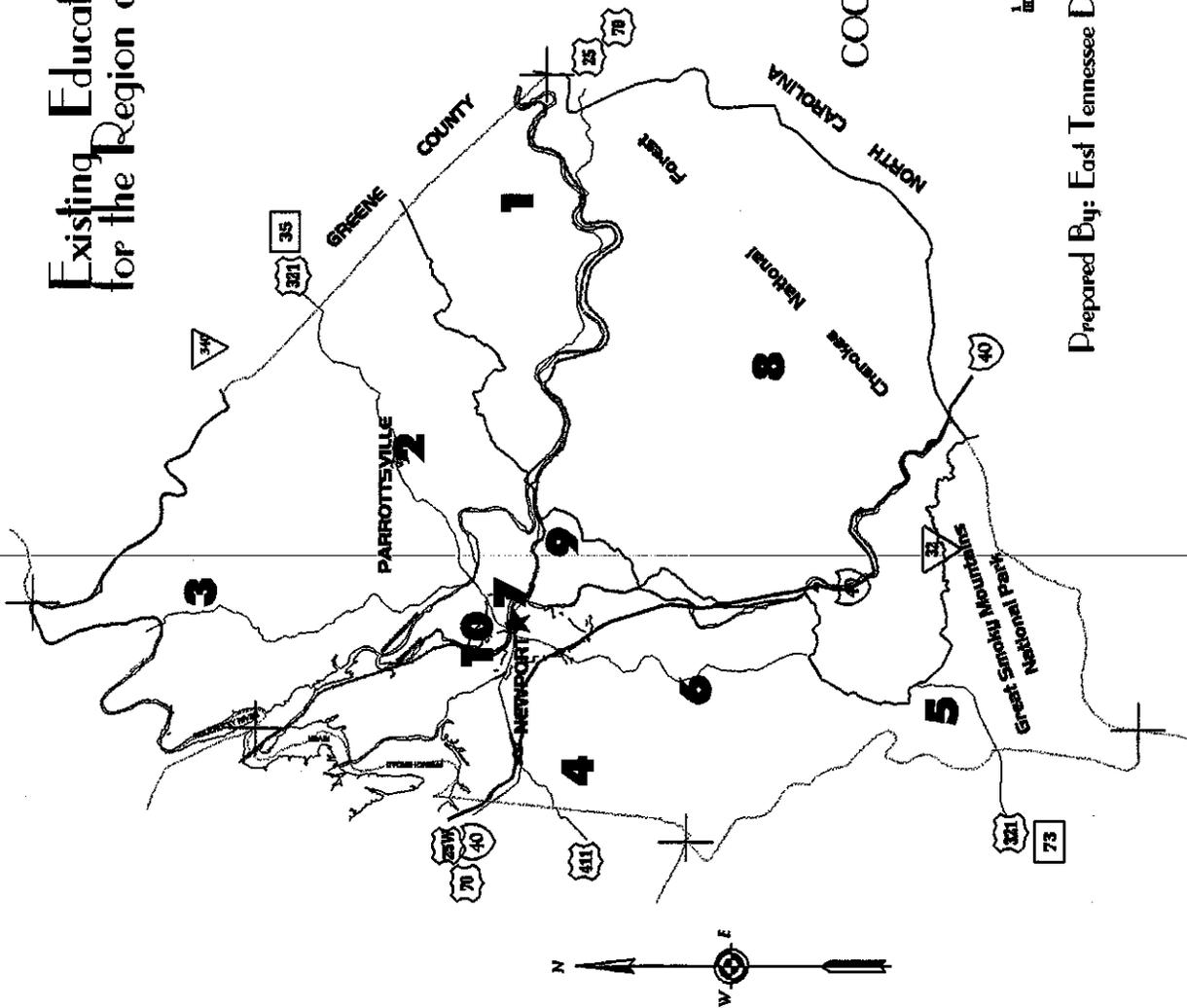
-  Curbside Solid Waste Collection
-  Convenience Center Sites
-  Class 4 Landfill
-  Educational Program Site
-  MRF Material Processing Facility (for recycling)



Prepared By: East Tennessee Development District
November 28, 2001

Existing Educational System for the Region of Cocke County

- 1** Del Rio
- 2** Parrottsville
- 3** Centerview
- 4** Edgemont
- 5** Smoky Mtn.
- 6** Cosby
- 7** Cocke Co. H.S.
- 8** Grassy Fork
- 9** Bridgeport
- 10** Newport City School



COCKE COUNTY, TENNESSEE

Prepared By: East Tennessee Development District
November 9, 2001

Chapter 2:

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

Region Name : Cocke County
Counties : Cocke County
Cities : Newport, Parrottsville

2. Total Population of Region.

33,565

2000 US Census

3. Regional Solid Waste Board Members

Five Member Board

Member Name	County/Municipality Representing	Term of Office	Appointed By	Confirmed By
Ronald Lindsey Chairman 697 North Street, Newport, TN. 37821	Newport	04-01-01 to 04-01-03 <i>✓</i>	Mayor	City Council
A.B. Barnes	Cocke	04-19-99 to 04-19-03 <i>f</i>	County Executive	County Commission
Duaine Shults	Cocke County	04-19-99 to 04-19-03 <i>f</i>	County Executive	County Commission
Gray Sparks	Parrottsville	04-19-99 to 06-30-02 <i>3</i>	Mayor	City Council
Bill Whitson	Newport	07-01-01 to 07-01-07 <i>6</i>	Mayor	City Council

4. Has the Region formed a Part 9 Solid Waste Authority?

No

5. Three contacts for solid waste information for Cocke County.

1. **Charles L. Moore, County Executive**
Courthouse Annex, 360 E. Main Street
Newport, TN. 37821
2. **Ronald Lindsey, Chairman**
Cocke County Solid Waste Board
697 North Street
Newport, TN. 37821
3. **Bill Whitson**
City of Newport
P.O.Box 370
Newport, TN. 37821

6. Regional Solid Waste Board Activities

The Cocke County Solid Waste Board meets when needed. All regional solid waste issues must go before the solid waste board before action can be taken by the County Commission. All meetings are open to the public and meeting times are published in the paper at least one week before the meeting. Annual Reports and Solid Waste Plans are submitted on or before the described due dates each year.

7. Region's rationale for formation

The Cocke County Region is a single county region. The initial rationale for forming a single-county region was due to the fact that Cocke County had a permitted Class I landfill. Also, contiguous counties (Jefferson, Sevier, Hamblen and Greene) chose to form a single-county region leaving Cocke County little choice in forming a single county region. The region is still a single county region that will remained due to little regional interest from surrounding counties.

8. Door to Door Collection

City / County	Door to Door Collection	Population
Cocke County	No	26,116
Newport	Yes	7,242
Parrottsville	No	207

9. Regional characteristics

Cocke County is a rural East Tennessee county approximately 421.24 square mile in size. There are two incorporated areas in the county; the Cities of Newport and Parrottsville. None of these cities are populated enough to qualify as an urban area by U.S. Census Bureau standards. The County is basically agrarian with a small industrial base.

10. Solid Waste Fee

Tipping fee charge of \$33.89 tons for all Cocke County Waste is Charged. There is a \$25 tipping fee for all Class IV waste.

11. Cost and Revenues for solid waste programs within the region

Newport - See enclosed budget

Revenues - \$4,000 + recycling.

Costs - \$216,137

Staffing Requirements - 10 full time

Capital Cost Considerations - \$120,000

Current System satisfactory - yes

Revenues meeting costs - yes, with subsidy from general fund.

New expenses or new fees anticipated - no

Cocke County - see enclosed budget

Revenues -\$130,132

Costs - \$1,070,916

Staffing Requirements - 20 full, 15 part-time.

Capital Costs Considerations - ???

Current System satisfactory - yes

Revenues meeting costs - yes, with subsidy from general fund.

New expenses or new fees anticipated - no

12. Uniform financial accounting methods

Cocke County - yes; Newport and Parrottsville - yes

13. 10 year solid waste budget

See appendix.

14. Solid waste budget contacts in region.

1. Charles L. Moore - County Executive - County - 623-8791

2. Bill Whitson - City of Newport - 623-5246

3. Polly Ottinger - City Recorder - Town of Parrottsville - 6230-9380

Chapter 3:

1. Tonnage of Class I waste in 2000.

21,313

2. Percentage of Class I waste in following categories:

Residential - 60%; Commercial - 20%; Industrial -19%; Institutional - 1%; Other - 0%.

3. Percentage of Class I waste in following categories:

Yard Waste - 7%; Construction/Demolition Waste - 23%; Tires - 1%; Recyclables - 3%; White Goods - 0%; Municipal Solid Waste -66%

4. Total Generated Waste Stream

Source Reduction - 0

Recycling - 741

Diversion - 6,435

Class I Landfill waste - 14,137

Total = 21,313 tons

Source Reduction - 0; no figures have been generated from industries that show changes in mfg. to reduce waste.

Recycling - this includes the County, Cities and amounts of various items from industries - see recycling reports.

Diversion - Class IV landfill is available in the area and mulching of brush and leaves is done by the County and City of Newport.

5. Demographic Trends

Cocke County has seen a 15% increase in population over the last ten years that will have some small changes in disposal figures. The location of a particular industry that requires a lot of solid waste disposal into Cocke County. At present time no such industry is being forecasted.

6. Economic Conditions

Major Employers - See Appendix.

Unemployment Rate - 4.3 for September, 2001; Slightly lower than State and National figures of 4.7.

A major plant closing would be the greatest affect towards waste stream and waste reduction efforts.

7. Major Contributors to the Region's Waste Disposal

1. **Cocke County**
360 East Main Street, Newport, TN. 37821
(423) 623-8791
Mixed Residential
22% of Waste Stream
2. **City of Newport**
P.O. Box 370, Newport, TN. 37821
(423) 623-7323
Mixed Residential
16% of Waste Stream
3. **Tidi-Waste**
P.O. Box 1894, Morristown, TN.
(423) 623-0031
Mixed Commercial/Residential
12% of Waste Stream
4. **Falcon Products**
810 W. Hwy 25/70, Newport, TN.
(423) 623-0031
Mixed industrial
6% of waste stream
5. **Detroit Gasket**
131 Verner, Newport, TN.
(423) 623-1055
Mixed Industrial
4% of Waste stream

8. Litter Grant Program

The Litter grant program is run by the Cocke County Government. The program is divided into two parts; one for cleanup and the other for education. The litter crew randomly chooses roads monthly for pickup by inmate crews with most of the roads in the rural areas. In addition to the random selection of roads, complaints called in by citizens are taken care of first. Cities generally clean-up within their jurisdictional boundaries, but the county will help upon request. The education monies from the litter grant program are utilized by the Cocke County KAB program. The contact for the litter grant program is Bettye Carver (423) 623-8791.

9. Economic Growth Adjustment Formula

No, we need to simply go year to year.

10. 1995 base year.

Too early to tell if the changing of the base year from 1989 to 1995 will help or hurt the region, waiting on new census figures before making final determination.

11. Reduction and/or Diversion Programs

1. Cocke County

Diversion Program - yes, the County operates a Class IV landfill that diverted 4,935 tons of waste from the Class I landfill in year 2000.

Recycling Program - yes; the county utilizes the recycling center as a recycling drop off point. See appendix for recycling report. Transportation of material to the recycling center is handled by the county. A total of 345 tons of recyclable materials were collected year 2000. 10 year plan is to continue the same format, but to diversify the materials that will be collected.

Yard Waste Program - yes, the county allows residents to take brush and leaves to the landfill where they are turned into a mulching material. A total of 1250 tons of yard waste was generated in year 2000. No significant changes are proposed within the next 10 years.

Education Program - yes; the County utilizes the KAB affiliated Keep Cocke Clean as the education coordinator. The County handles the handles the HHW site events and educate the public on those matters.

2. Newport

Diversion Programs - no

Recycling Programs - yes, the City provides house to house recycling and operates a recycling center for the packaging and selling of recyclable materials in Cocke County. The city generated 164 tons of recyclable materials in year 2000.

Yard Waste Program - yes, the City has a chipper that mulches brush. A total of 250 tons of mulch was created in year 2000.

Education Program - no; County handles the education program.

3. Parrottsville

Diversion Program - no;

Recycling Program - no;

Yard Waste Program - no;

Education Program - no; County handles the education program.

Chapter 4:

1. List collection services.

Service	Available to	Paid for by	Description
Convenience Center	County Residents	Cocke County	Eleven Convenience Center that are manned a scattered throughout the Region of Cocke County.
Door to Door	Residential Customers	City of Newport	Provided for city residents.
Door to Door	Residential Customers and Small Commercial Customers.	Customers	Door to Door pickup by private firm for paid customers.

2. Collection Assurance Requirements

The Cocke County region meets the collection assurance requirements by having eleven (11) convenience center operated by the County.

3. Collection Needs over the next 10 years.

The county is looking at adding one convenience centers within the next five years. Possible locations is in the northeast section of the County.

Chapter 5:

1. Does the region have a recycling or waste reduction coordinator?

Yes

Dean Cogdill
140 Locust Street
Newport, TN. 37821
(423) 625-3850

2. List waste reduction programs in the region:

Recycling Programs - See Attachments.

Materials Processing Facilities - Yes, the City of Newport operates a small recycling processing center for the handling of cardboard, mixed paper, newspaper, plastic, white goods, steel and aluminum cans, copper, used oil, batteries and mixed metals.

Composting Facilities - No

3. Progress or setbacks in recycling and reduction efforts.

Education in recycling and waste reduction efforts are slow due to the fact that we can only educate on matters that we have the resources for. Bad market prices has put a financial constraint on the ability to expand the recycling program.

4. Recycling Drop Off Facility

Site Name	County	Items Collected	Description
Newport Recycling Center 140 Locust St Newport RI 02881 Dean Cobelli 723/675-3850	Cocke	Cardboard, Mixed Paper, newspaper, plastic, white goods, steel and aluminum cans, copper, used oil batteries and mixed metals.	Public drop off site.

Chapter 6:

1. List all landfills, transfer stations, incinerators, Gas to Energy facilities and Waste to Energy Facilities in the region.

Landfills = 1
Transfer Stations = 0
Incinerators = 0
Gas to Energy = 0
Waste to Energy = 0

Name: **Cocke County Landfill**
Owner : **Cocke County**
Operator/Contact : **Cocke County / Charles L. Moore**
Phone # : **(423) 623-8791**
Address/Location/County : **360 East Main Street, Newport, TN.**
Classification: **IV**
Jurisdictions Served: **Cocke County, Newport and Parrottsville.**
Permit # : **SNL-15-000-0133**
Tipping Fee per Ton: **\$25**
Special Tipping Fees : **N/A**
Material Receive/limit : **Construction and Demolition Waste Only.**
Does the facility produce energy : **N/A**

2. Class I waste exported or imported into the Region.

CLASS I WASTE EXPORTED

Yes

Should be 0?

CLASS I WASTE IMPORTED

No

3. Disposal Needs

None

4. Planned Capacity Assurance

Cocke County Region entered into a five year contract with automatic renewal to haul their waste to a regional landfill. Due to the availability of regional landfills within a 60 mile radius. Cocke County will have no problems disposing of their waste for the next 25 years.

5. Enterprise Funds for Landfills

No

N/A

Chapter 7:

1. Has the county taken advantage of the State's household hazardous waste mobile collection services in the last two years?

Yes, the county sets up a HHW once a year.

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

No;

3. Region's level of success with household hazardous waste collection and level of satisfaction with the State program.

The region has had small turnouts on the events. The region has been very pleased with the way the program is handled. The region will try to do more education before the next event to increase the number of participants.

4. Waste Tire Collection

The region allows people to take tires to the landfill where they are placed into trailers and shipped to an end user.

Current site location is at 1160 Old Ashville Hwy, Newport, Tn.

5. Region's level of satisfaction with waste tire collection efforts in the area and the State waste tire program.

The region is pleased with the waste tire collection efforts in the area and the State waste tire program. However, the county would like to make the manifest forms easier and less frequent.

6. Problem with waste tire dumping in the Region?

No

7. Region's efforts with oil, auto fluid and lead acid battery sites.

Used oil collection sites are scattered throughout the region. The county provides a used oil collection site at all the convenience centers. The City of Newport provides a used oil collection site at the Newport Recycling Center. Also, used oil sites are made available by private companies throughout the region. Auto fluid collection sites are handled by private dealers in the region and lead acid batteries sites are provided by the retailer that sell new batteries.

Chapter 8:

1. Educational Organizations:

Name: Cocke County Solid Waste
Organization/Sponsor: Cocke County
County: Cocke
Phone Number: (423)623-8791
Address: 360 East Main Street, Newport, TN.
Target Participants: HHW customers.
Description of Activities: Public announcements.

Name: CC Neat
Organization/Sponsor: Cocke County
County: Cocke
Phone Number: (423)623-3700
Address: 115 Mulberry, Newport, Tn.
Target Participants: Youth and adult organizations
Description of Activities: Public announcements, have programs in schools and attend organization meetings.

2. Needs in Solid Waste Education

-----**The region of Cocke County has done an adequate job in educating the public.**-----

Chapter 9:

1. Does the Region or jurisdictions within make any attempt to control the flow of waste?

No

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

No

Chapter 10:

1. Describe the required public hearing held after the Revised Plan was completed.

2. Were local planning commissions in the region made aware of the Five-year Update and given and opportunity to review it?

Yes, See documentation.

3. Resolution

See Appendix

Appendix

Material for Chapter 2; Section 11&13

Sept 11

-3-011

03/15/2001
01:21 PM

Cocke County, Tennessee
Solid Waste/Sanitation Fund
Statement of Proposed Operations
For the Fiscal Year Ending June 30, 2002

Account No.	Description	Actual 1999-2000	Estimated 2000-2001	Estimated 2001-2002
Estimated Revenues				
40000	CHARGES FOR CURRENT SERVICES			
43100	General Service Charges			
43110	Tipping Fees	\$ 104,941	\$ <u>90,000</u> ←	\$ <u>111,561.56</u>
		0		
		0		
	TOTAL CHARGES FOR CURRENT SERVICES	\$ 104,941	\$ <u>90,000</u> ←	\$ <u>111,561.56</u> 115,000
44000	OTHER LOCAL REVENUES			
44100	Recurring Items			
44130	Sale of Materials and Supplies	\$ 6,021	\$ <u>4,500</u> ←	\$ _____
44500	Nonrecurring Items			
44570	Contributions & Gifts	3,791		
		0		
		0		
	TOTAL OTHER LOCAL REVENUES	\$ 9,812	\$ <u>4,500</u> ←	\$ <u>5,299.48</u>
46000	STATE OF TENNESSEE			
46100	General Government Grants			
46170	Solid Waste Grants	\$ 26,227	\$ <u>19,000</u> ←	\$ <u>22,000</u>
46800	Other State Revenues			
46980	Other State Grants	0	0	
		0		
		0		
	TOTAL STATE OF TENNESSEE	\$ 26,227	\$ <u>19,000</u> ←	\$ _____
48000	OTHER GOVERNMENTS AND CITIZENS GROUPS			
48100	Other Governments			
48130	Contributions	\$ 5,075	\$ <u>0</u> ←	\$ _____

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

03/15/2001
 01:21 PM

Sold equipment -

Account No.	Description	Actual 1999-2000	Estimated 2000-2001	Estimated 2001-2002
Estimated Revenues (Cont.)				
49000	OTHER GOVERNMENTS AND CITIZENS GROUPS (Cont.)			
48990	<u>Other</u>	0	<u>16,632</u>	
TOTAL OTHER GOVERNMENTS AND CITIZENS GROUPS		\$ 5,076	\$ <u>16,632</u>	\$
Total Estimated Revenues		\$ 146,056	\$ <u>130,132</u>	\$
Estimated Other Sources				
49200	Note Proceeds	0	<u>23,500</u>	
49800	Operating Transfers	775,000	<u>900,000</u>	
Total Estimated Revenues and Other Sources		\$ 921,056	\$ <u>1,037,000</u>	\$
Estimated Expenditures				
55000	PUBLIC HEALTH AND WELFARE			
55710	Sanitation Management			
105	Supervisor/Director	\$ 25,183	\$ <u>25,208</u>	\$ <u>26,348⁰⁰</u>
141	Foremen	29,894	<u>21,000</u>	<u>22,046⁰⁰</u>
149	Laborers	72,463	<u>101,418</u>	<u>113,658⁰⁰</u>
167	Part-time Personnel	0	<u>0</u>	<u>0</u>
187	Overtime Pay	4,314	<u>6,000</u>	<u>3,350</u>
201	Social Security	23,071	<u>26,515</u>	
204	State Retirement	2,755	<u>13,172</u>	
205	Employee and Dependent Insurance	13,356	<u>18,098</u>	
210	Unemployment Compensation	0	<u>3,050</u>	
301	Accounting Services	625	<u>0</u>	<u>0</u>
307	Communication	1,964	<u>2,500</u>	<u>16,500</u>
307	Contracts with Government Agencies	2,099	<u>2,000</u>	
312	Contracts with Private Agencies	40,633	<u>35,000</u>	
321	Engineering Services	9,745	<u>12,000</u>	<u>15,000</u>
335	Maintenance & Repair Services- Buildings	0	<u>0</u>	<u>0</u>

03/15/2001
09:21 PM

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

Account No.	Description	Actual 1999-2000	Estimated 2000-2001	Estimated 2001-2002
Estimated Expenditures (Cont.)				
5000	PUBLIC HEALTH AND WELFARE (Cont.)			
55710	Sanitation Management (Cont.)			
351	Rentals	\$ 3,480	\$ <u>4,900</u>	\$ <u>4,900</u>
359	Disposal Fees	485,621	<u>461,000</u>	<u>461,000</u>
379	Other Contracted Services	905	<u>6,000</u>	<u>6,000</u>
410	Custodial Supplies	150	<u>1,200</u>	<u>1,200</u>
418	Equipment and Machinery Parts	15,621	<u>28,000</u>	<u>28,000</u>
420	Fertilizer, Lime and Seed	5,844	<u>1,000</u>	<u>1,200</u>
425	Gasoline	8,646	<u>10,000</u>	<u>13,000</u>
433	Lubricants	594	<u>2,200</u>	<u>2,200</u>
435	Office Supplies	0	<u>500</u>	<u>500</u>
450	Tires and Tubes	442	<u>2,000</u>	<u>2,200</u>
452	Utilities	6,182	<u>6,500</u>	<u>4,500</u>
499	Other Supplies and Materials	3,450	<u>3,500</u>	<u>10,000</u>
502	Building and Contents Insurance	94	<u>300</u>	<u>300</u>
506	Liability Insurance	6,523	<u>7,225</u>	<u>20,000</u>
510	Trustee's Commission	1,013	<u>900</u>	
511	Vehicle and Equipment Insurance	2,903	<u>3,500</u>	
513	Worker's Compensation Insurance	26,164	<u>20,083</u>	
718	Motor Vehicles	0	<u>12,000</u>	
722	Solid Waste Equipment	16,946	<u>13,500</u>	
		0		
		0		
	Total Sanitation Management	\$ 801,621	\$ <u>856,269</u>	\$
55732	Convenience Centers			
712	Laborers	\$ 185,253	\$ <u>201,617</u>	\$
713	Highway Construction	0	<u>10,000</u>	

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

02/15/2004
 11:11:09

Account No.	Description	Actual 1999-2000	Estimated 2000-2001	Estimated 2001-2002
	Estimated Expenditures (Cont.)			
5500	PHYSIC HEALTH AND WELFARE (Cont.)			
3300	Convenience Centers (Cont.)			
		0		
		0		
	Total Convenience Centers	\$ 185,253	\$ 211,647	\$
	Total Estimated Expenditures	\$ 986,874	\$ 1,070,916	\$
	Excess of Estimated Revenue and Other Sources Over (Under) Estimated Expenditures	\$ (55,810)	\$ (33,916)	\$
	Estimated Beginning Fund Balance - July 1	151,050	94,660	
	Estimated Ending Fund Balance - June 30	\$ 85,232	\$ 60,744	\$

Cocke County, Tennessee
Solid Waste/Sanitation Fund
Statement of Proposed Operations
For the Fiscal Year Ending June 30, 2001

Account No.	Description	Actual 1998-1999	Estimated 1999-2000	Estimated 2000-2001
Estimated Revenues				
43000	CHARGES FOR CURRENT SERVICES			
43100	General Service Charges			
43110	Tipping Fees	\$ 91,108	\$ 85,000	\$ 90,000
	TOTAL CHARGES FOR CURRENT SERVICES	\$ 91,108	\$ 85,000	\$ 90,000
OTHER LOCAL REVENUES				
44000	OTHER LOCAL REVENUES			
44100	Recurring Items			
44130	Sale of Materials and Supplies	\$ 2,325	\$ 1,000	\$ 4,500
	TOTAL OTHER LOCAL REVENUES	\$ 2,325	\$ 1,000	\$ 4,500
STATE OF TENNESSEE				
46000	STATE OF TENNESSEE			
46100	General Government Grants			
46170	Solid Waste Grants	\$ 21,151	\$ 22,500	\$ 19,000
46800	Other State Revenues			
46980	Other State Grants	9,673	0	0
	TOTAL STATE OF TENNESSEE	\$ 30,824	\$ 22,500	\$ 19,000
	Total Estimated Revenues	\$ 124,257	\$ 108,500	\$ 113,500
Estimated Other Sources				
49200	Note Proceeds	21,742	0	23,500
49800	Operating Transfers	775,000	775,027	900,000
	Total Estimated Revenues and Other Sources	\$ 920,999	\$ 883,527	\$ 1,037,000
Estimated Expenditures				
55000	PUBLIC HEALTH AND WELFARE			
55710	Sanitation Management			
105	Supervisor/Director	\$ 21,585	\$ 24,708	\$ 25,208
141	Foremen	13,351	20,500	21,000
149	Laborers	68,927	71,096	107,418
169	Part-time Personnel	0	1,000	0
187	Overtime Pay	195	6,000	6,000
201	Social Security	19,692	23,903	26,515
204	State Retirement	2,157	2,600	13,172
205	Employee and Dependent Insurance	12,155	14,070	18,098
210	Unemployment Compensation	0	3,050	3,050
307	Communication	2,033	2,500	2,500
309	Contracts with Government Agencies	2,000	2,000	2,000
312	Contracts with Private Agencies	29,765	23,750	35,000
321	Engineering Services	6,408	8,000	12,000
335	Maintenance & Repair Services-			
	Buildings	3,981	0	0
351	Rentals	3,480	4,900	4,900
359	Disposal Fees	446,286	446,000	461,000
399	Other Contracted Services	3,237	6,000	6,000
410	Custodial Supplies	525	1,500	1,200
418	Equipment and Machinery Parts	9,807	28,000	28,000
420	Fertilizer, Lime and Seed	1,486	1,000	1,000
425	Gasoline	4,379	10,000	10,000

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

Account No.	Description	Actual 1998-1999	Estimated 1999-2000	Estimated 2000-2001
Estimated Expenditures (Cont.)				
55000	PUBLIC HEALTH AND WELFARE (Cont.)			
55710	Sanitation Management (Cont.)			
433	Lubricants	\$ 631	\$ 2,200	\$ 2,200
435	Office Supplies	220	600	500
450	Tires and Tubes	873	2,000	2,000
452	Utilities	5,864	6,500	6,500
499	Other Supplies and Materials	6,264	4,000	3,500
502	Building and Contents Insurance	85	300	300
506	Liability Insurance	5,757	6,500	7,225
510	Trustee's Commission	894	900	900
511	Vehicle and Equipment Insurance	2,825	2,900	3,500
513	Worker's Compensation Insurance	16,020	19,083	20,083
718	Motor Vehicles	22,072	0	12,000
733	Solid Waste Equipment	0	22,500	13,500
Total Sanitation Management		\$ 712,754	\$ 768,060	\$ 856,269

55732	Convenience Centers			
149	Laborers	\$ 154,558	\$ 190,155	\$ 204,647
713	Highway Construction	0	0	10,000
Total Convenience Centers		\$ 154,558	\$ 190,155	\$ 214,647

Total Estimated Expenditures		\$ 867,312	\$ 958,215	\$ 1,070,916

Excess of Estimated Revenues and Other Sources Over (Under) Estimated Expenditures		\$ 53,687	\$ (74,688)	\$ (33,916)
Estimated Beginning Fund Balance - July 1		97,363	136,292	94,660

Estimated Ending Fund Balance - June 30		\$ 151,050	\$ 61,604	\$ 60,744
=====				

Newport Sanitation Budget 1999 - 2000

		<u>1999 *</u>		<u>2000*</u>
43200				
110	Salaries	177,065		165,265
241	Electric	1,500		1,500
245	Telephone	400		400
295	Landfill Service	3,000		3,000
300	Supplies	8,000		8,000
331	Gas, Oil, Etc.	5,000		5,000
334	Tires & Tubes	2,000		2,000
533	Equipment Rental	500		0
534	Garbage Truck Lease	30,972		30,972
	Total Sanitation & Recycling	228,437		216,137

Last years budget included F.I.C.A., Employee Insurance, Retirement and Workers comp. (64,615) This is not reflected in this year's budget.

REVENUE

34430	Refuse Collection Charges	2,200		4,000
36410	App. Trans-Gen. Fund	290,852		212,137
	TOTAL REVENUE	293,052		216,137

10 Year Solid Waste Budget For Cocke County Region

	Waste Pick-up & Disposal	Landfill Operation	Litter & Trash Collection	Post Closure Care	Debt Service	Education	Grand Total
FY 2001	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2002	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2003	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	2,000.00	\$1,615,068
FY 2004	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	2,000.00	\$1,615,068
FY 2005	\$496,000.00	\$360,269.00	\$480,784.00	\$0	\$0	\$2,000.00	\$1,665,068
FY 2006	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2007	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2008	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2009	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068
FY 2010	\$496,000.00	\$360,269.00	\$430,784.00	\$0	\$0	\$2,000.00	\$1,615,068

Material for Chapter 3; Section 6

COCKE COUNTY INDUSTRIAL PARKS

Cocke County Business Park - This county owned site contains about 50 acres. All of the 50 acres are available for purchase. The site has not yet been subdivided. The site is located on U.S. 25/70 and is within 1 mile of I-40. Utilities are nearby but have not yet been extended into the park.

Newport/Cocke County Industrial Park - This park consists of 189 acres and is owned by Cocke County. Approximately 120 acres are available for purchase. Rail service is provided by Norfolk-Southern. This park is located within 3 miles of I-40 and within 9 miles of I-81. It is zoned for industrial use. Utilities are water=8", sewer=8", gas=8".

For more information contact:

Newport/Cocke County Economic Development Commission
 433 Prospect Ave., Newport, TN 37821
 Dean Williams, Industrial Development Coordinator
 (423) 623-3008 (423) 625-1846 FAX
 e-mail address econdev@planetec.com

Industries Within Cocke County Industrial Parks

NAME OF COMPANY	# OF EMPLOYEES
-----------------	----------------

Newport/Cocke County Industrial Park

ACE Products, Inc.	193
American Appliance Products	138
Cocke County Pallet	11
Detroit Gaskets	227
Eastern Plating, Inc.	140
Electro-Voice, Inc.	175
Flura Corporation	7
Great Lakes Chemical	184
H & D Manufacturing	12
Industrial Products, Inc.	2
Legacy Furniture	93
Lisega	137
MetalTec of Tennessee	4
Newport Machine Co.	6
Newport Pallet, Inc.	8
Newport Precision, Inc.	25
Rhyne Lumber Co.	50
Solar-10	28
Sonoco Products, Co.	248

Industries Within Cocke County Industrial Parks

NAME OF COMPANY	# OF EMPLOYEES
<u>Newport/Cocke County Industrial Park continued</u>	
Tennessee Engine Works	15
TMS Machine	4
Wood Products	84
TOTAL EMPLOYEES	1,791

Material for Chapter 5 Section 2

2000 Tennessee Recycling Report

for

Counties and Municipalities

(INFORMATION ON THIS PAGE TO BE COMPLETED FOR COUNTIES & MUNICIPALITIES ONLY)

General Information

Organization / Program Name Cocke County County/City* Cocke
 Contact Person Amy Padgett Phone (423)623-8791 Fax (423)623-8792
 Address Courthouse Annex, 360 E. Main Street
 City Newport TN Zip Code 37821

*Each jurisdiction in the Region shall complete an individual copy of this report of respective county or city.

Program Information

(mark all that apply)

Curbside Residential Industrial Commercial

Drop-off Convenience Center Recycling Collection Tire Collection
 Buy-back Schools

Provide the following information for each recycling collection site in the County or Municipality that contributed to the County's/Municipality's collection total:

Site Name	Site Address	City, State, Zip	Phone	Fax	E-mail
Convenience Centers (See Attachment)					

Provide the following information for each recovered material processing facility in the County or Municipality. (See definition for recovered material processing facility in appendix A.) Volumes processed are not necessary:

Facility Name	Site Address	City, State, Zip	Primary Materials Processed
Newport Recycling Center	140 Locust Street	Newport, TN. C37821	Cardboard, Paper, Plastic, Metals, Cans.

Continued on Reverse

This report must be submitted to TDEC-DCA by March 31, 2001

MATERIALS RECOVERED

PAPER

Corrugated Containers	<u>40</u>	Tons
Mixed Office Paper	_____	Tons
Old Newspaper	<u>35</u>	Tons
Mixed Paper	_____	Tons
Other Paper	_____	Tons

GLASS

Clear Container Glass	_____	Tons
Brown Container Glass	_____	Tons
Green Container Glass	_____	Tons
Mixed Container Glass	_____	Tons
Other Glass	_____	Tons

BATTERIES

Lead-Acid	_____	Tons
Dry Cell	_____	Tons

MULCH

Mulch (Yard Waste)	<u>1250</u>	Tons
--------------------	-------------	------

OTHER MATERIALS

(st)	_____	Tons
_____	_____	Tons
_____	_____	Tons

PLASTICS

PET (#1)	<u>3</u>	Tons
HDPE (#2)	<u>5</u>	Tons
Mixed PET & HDPE (#1 & #2)	_____	Tons
Other Plastics	_____	Tons

METALS

Steel Food/Beverage Cans	_____	Tons
White Goods/Appliances	<u>150</u>	Tons
Auto Body Scrap	_____	Tons
Other Ferrous (Fe) Scrap	_____	Tons
Aluminum Food/Beverage Cans	_____	Tons
Scrap Aluminum	<u>1</u>	Tons
Other Non-Ferrous (NF) Scrap	_____	Tons
Mixed Metals (Fe & NF)	<u>84</u>	Tons

COMPOST

Compost (Yard Waste)	_____	Tons
Compost (Municipal Solid Waste)	_____	Tons
Compost (Municipal Sewage Sludge)	_____	Tons

TEXTILE SCRAP

PALLETS (average weight =45 lbs.)	_____	Tons
---	-------	------

TIRES (average weight=22 lbs.)	<u>232</u>	Tons
--	------------	------

OIL (gallon = 7.62 lbs.)	<u>27</u>	Tons
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Other automotive fluids (list)	_____	Tons
_____	_____	Tons

GRAND TOTAL 1827 Tons

* Report all figures using net Tons (2,000 lbs.)

2000 Tennessee Recycling Report

for

Counties and Municipalities

(INFORMATION ON THIS PAGE TO BE COMPLETED FOR COUNTIES & MUNICIPALITIES ONLY)

General Information

Organization / Program Name Newport County/City* Newport
 Contact Person Dean Codall Phone (423)625-3850 Fax (423)
 Address 140 Locust Street
 City Newport TN Zip Code 37821

*Each jurisdiction in the Region shall complete an individual copy of this report of respective county or city.

Program Information

(mark all that apply)

Curbside Residential Industrial Commercial

Drop-off Convenience Center Recycling Collection Tire Collection
 Buy-back Schools

Provide the following information for each recycling collection site in the County or Municipality that contributed to the County's/Municipality's collection total:

Site Name	Site Address	City, State, Zip	Phone	Fax	E-mail
See Processing Center					

Provide the following information for each recovered material processing facility in the County or Municipality. (See definition for recovered material processing facility in appendix A.) Volumes processed are not necessary:

Facility Name	Site Address	City, State, Zip	Primary Materials Processed
Newport Recycling Center	140 Locust Street	Newport, TN. C37821	Cardboard, Paper, Plastic, Metals, Cans.

Continued on Reverse

This report must be submitted to TDEC-DCA by March 31, 2001

MATERIALS RECOVERED

PAPER

Corrugated Containers	<u>50</u>	Tons
Mixed Office Paper	_____	Tons
Old Newspaper	<u>12</u>	Tons
Mixed Paper	_____	Tons
Other Paper	_____	Tons

GLASS

Clear Container Glass	_____	Tons
Brown Container Glass	_____	Tons
Green Container Glass	_____	Tons
Mixed Container Glass	_____	Tons
Other Glass	_____	Tons

BATTERIES

Lead-Acid	_____	Tons
Dry Cell	_____	Tons

MULCH

Mulch (Yard Waste)	<u>250</u>	Tons
--------------------	------------	------

OTHER MATERIALS

(t)	_____	Tons
_____	_____	Tons
_____	_____	Tons

PLASTICS

PET (#1)	<u>1</u>	Tons
HDPE (#2)	<u>1</u>	Tons
Mixed PET & HDPE (#1 & #2)	_____	Tons
Other Plastics	_____	Tons

METALS

Steel Food/Beverage Cans	_____	Tons
White Goods/Appliances	<u>14</u>	Tons
Auto Body Scrap	_____	Tons
Other Ferrous (Fe) Scrap	_____	Tons
Aluminum Food/Beverage Cans	_____	Tons
Scrap Aluminum	<u>1</u>	Tons
Other Non-Ferrous (NF) Scrap	_____	Tons
Mixed Metals (Fe & NF)	<u>85</u>	Tons

COMPOST

Compost (Yard Waste)	_____	Tons
Compost (Municipal Solid Waste)	_____	Tons
Compost (Municipal Sewage Sludge)	_____	Tons

TEXTILE SCRAP

PALLETS (average weight =45 lbs.)	_____	Tons
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TIRES

(average weight=22 lbs.)	_____	Tons
--------------------------	-------	------

OIL (gallon = 7.62 lbs.)	_____	Tons
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Other automotive fluids

(list)	_____	Tons
_____	_____	Tons

GRAND TOTAL

414 Tons

* Report all figures using net Tons (2,000 lbs.)

Material for Chapter 10

New sensor can detect biological and chemical toxins

By DUNCAN MANSFIELD
Associated Press Writer

OAK RIDGE (AP)—Within seconds of passing a sample beneath its silvery nose, the Army-green box completes an analysis, sounds an alarm and begins flashing a large red bulb.

But the only risk to researchers at the Oak Ridge National Laboratory is exposure to a LifeSaver. The monitor has been triggered by wintergreen oil, a nonlethal substitute for a chemical warfare agent.

Yet the test seems convincing for what the Army says is the first system that can simultaneously identify both chemical and biological agents—everything from Sarin gas to anthrax—in the air and on the ground.

Basically there are two types of detectors. We have chemical agent detectors and we have bio agent detectors. This is the only one that is known that does both," said Alex Hryniewicz of the Army's Soldier and Biological Chemical Command in Aberdeen, Md.

And, instead of hours or days, the monitor can recognize chemical agents within 30 seconds and biological agents, such as viruses and bacteria, in less than 4 minutes.

The value to the military is obvious.

"In a battlefield situation, they want to know as soon as the cloud has gone over if they have been hit by something," said Stephen Lammert, a senior researcher on the project.

The monitor—known as the Block II Chemical and Biological Mass Spectrometer—has been under development for nearly five years. The Oak Ridge lab was selected because of its expertise in mass spectrometry.

A spectrometer is an instrument that converts molecules into ions—or electrically charged atoms—and then separates them according to their mass-to-charge ratio.

The Oak Ridge system uses different techniques to identify chemical and biological agents, but both rely on the unit's mass spectrometer to identify a toxin's signature markers and structure.

The Army has footed most of the \$45 million bill, though the Marines are joining in as the monitor moves closer to the battlefield.

Hamilton Sundstrand Sensor Systems in Pomona, Calif., the lab's industrial partner, already has delivered a handful of the units for lab testing and will have 14 ready for field testing by year's end.

It's a timetable that was set before the Sept. 11 terrorist attacks, the subsequent U.S. military action against Afghanistan and the deadly anthrax letters domestically.

Still, there seems no rush to get the monitors, which both the Army and Marines want to use in advance reconnaissance vehicles, to the troops.

The bureaucracy is still there," said Harry Elmendorf at Hamilton Sundstrand.

Hryniewicz said it may be a

year or two before the first units are deployed. In the interim, the military is using other, less reliable systems.

"We are looking to improve on them and get the new ones as soon as we can, but sometimes you just can't push things faster without loss of quality control, ensuring that they meet all their requirements," Hryniewicz said.

Problems with the sensitivity of earlier sensor systems propelled the Oak Ridge research. Lammert said sensors used during the Persian Gulf War had trouble distinguishing between diesel fumes and chemical weapons. As a result, soldiers began to ignore the warning signals.

Previous sensor systems also have had trouble with false negatives, telling you you don't have an agent present when you do, and that can be fatal," Lammert said.

Although Hryniewicz has confidence in the Oak Ridge sensor, saying its performance to this point "seems to be very good," he said the military will never fully depend on field analysis over more detailed studies of samples back in a laboratory.

That's because confirmation carries political implications beyond the battlefield.

"You want to know for sure, legally, for the world court, of whether or not biological or chemical weapons were actually used," he said.

On the Net:
Oak Ridge National Laboratory
<http://www.ornl.gov>

Solid waste public hearing scheduled

There will be a public hearing on Tuesday, November 13, at 4:45 p.m. concerning the Cocke County Municipal Solid Waste Five Year Update. Concerned citizens are invited to attend and make comments or suggestions.

The meeting room is handicapped accessible and will be held at

the Cocke County Executive Office.

\$250

Top 45 Pig for 200 the But the Adv Dia

DATE: November 28, 2001

TO: Community Assistance

FROM: Mitchell Loomis

SUBJECT: Five Year Plan Update Review

The Cocke County Regional Solid Waste Board met on November 13th, 2001 to discuss the 5 year solid waste plan updates. Mr. Loomis provided the board with a synopsis of where the county was in terms of their original plan. The Board also hosted a public hearing to find out from the public, if there were any needs that have not been addressed in the first five years that need to be addressed in the next five years. See enclosed the list of attendees. People that attended the meeting where handed the executive summary and Mitch Loomis with ETDD went over the changes being proposed in the update. Everyone was in agreement with the proposed plan and the meeting was adjourned.

There being no changes to be made on the plan the local planning commissions were given a copy of the plan on November 13th and given time to review and make comments before final passage by the County Commission.

**A RESOLUTION APPROVING THE FIVE YEAR PLAN UPDATE TO THE COCKE
COUNTY MUNICIPAL SOLID WASTE MANAGEMENT PLAN**

WHEREAS, the Cocke County Solid Waste Board is the only Board within the Cocke County Regional Solid Waste Management Plan, and;

WHEREAS, the State mandates that every five years a update must be submitted for approval, and;

WHEREAS, the five year update has been prepared and reviewed by the Cocke County Solid Waste Planning Board;

NOW, THEREFORE, BE IT RESOLVED that the Cocke County Solid Waste Board does hereby approve the five year plan update, as submitted to the State of Tennessee's Community Assistance Office, Solid Waste Division.

READ ADOPTED AND APPROVED the Cocke County Solid Waste Board on November 13th, 2001.

APPROPRIATE SIGNATURES


Chairman

**A RESOLUTION APPROVING THE FIVE YEAR PLAN UPDATE TO THE Cocke
County MUNICIPAL SOLID WASTE MANAGEMENT PLAN**

WHEREAS, the County of Cocke, Tennessee is the only county within the Cocke County Regional Solid Waste Management Plan, and;

WHEREAS, the State mandates that every five years an update must be submitted for approval, and;

WHEREAS, the five year update has been prepared and approved by the Cocke County Solid Waste Planning Board, and;

NOW, THEREFORE , BE IT RESOLVED that the County Commission of Cocke County does hereby approve the five year plan update, as submitted to the State of Tennessee's Community Assistance Office, Solid Waste Division.

READ ADOPTED AND APPROVED in regular session by the Cocke County Commission on _____, 2001.

APPROPRIATE SIGNATURES

County Executive

County Chairman



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

DON SUNDQUIST
GOVERNOR

MILTON H. HAMILTON, JR.
COMMISSIONER

CERTIFIED MAIL

May 23, 2001

Ms. Sharon Rice Shelton, Chairperson
Cocke County Municipal SW Planning Region 15
P. O. Box 1074
Newport, TN 37822

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

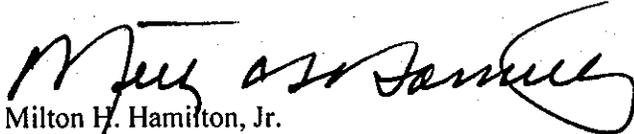
Dear Ms. Shelton:

The Department of Environment and Conservation has not received the Solid Waste Planning Region Five-Year Update Report for the Cocke County Solid Waste Planning Region. The Solid Waste Management Act of 1991 [T.C.A. 68-211-814 (2)] requires that these reports be revised every five years after the plan's initial approval. The Cocke County report was due to the Division of Community Assistance on March 27, 2001.

The Region must submit the required report within 90 days of receipt of this letter. Otherwise, the region and jurisdiction(s) within the region may lose eligibility for grants from the Solid Waste Management Fund. If non-compliance continues, additional sanctions may follow [T.C.A. 68-211-816].

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

Sincerely,



Milton H. Hamilton, Jr.

MHH:RLG:RPG

cc: The Honorable Charles Lewis Moore, Cocke County Executive
Mr. Mitch Loomis, East TN Development District
Ms. Chris Garkovich, CTAS-ET



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

January 9, 2001

Ms. Sharon Rice Shelton
Chairperson, ~~Cocke County Municipal SW Planning Region~~ 15
P. O. Box 1074
Newport, TN 37822

RE: ~~Five-year Update to Ten-year Solid Waste Plan~~
Cocke County SW Region
Region Member(s): Cocke
Update Due — March 27, 2001

Dear Ms. Shelton:

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 Cocke County Region's Ten-year plan was approved on March 27, 1996; therefore, your Five-year Update is due to this office by March 27, 2001. Please note that the Update is expected to consider the next 10-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 was (were) received on December 28, 1999. Please contact Mr. Mitch Loomis with the East TN Development District to determine the status of your Region's Needs Assessment report. The Needs Assessment(s) will provide much of the information necessary for the preparation of the Five-year Update to your Ten-Year Plan.

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

Sincerely,

Ron Graham

Ron Graham
Director

RG:RPG:lr

C: The Honorable Charles Lewis Moore, Cocke County Executive
Mr. Mitch Loomis, East TN Development District
Cocke County Solid Waste Director
Ms. Chris Garkovich, CTAS SW Management Consultant
Mr. Phil Chambers, Manager, Knoxville Environmental Assistance Center



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Sincerely,

A handwritten signature in cursive script that reads "Ron Graham".

Ron Graham
Director

RG:RPG:lr

C: The Honorable Charles Lewis Moore, Cocke County Executive
Mr. Mitch Loomis, East TN Development District
Cocke County Solid Waste Director
Ms. Chris Garkovich, CTAS SW Management Consultant
Mr. Phil Chambers, Manager, Knoxville Environmental Assistance Center