

LOUDON COUNTY REGIONAL SOLID WASTE MANAGEMENT PLAN

As Required By  
The Solid Waste Management Act of 1991  
T.C.A. 68-31-813 (c) and 68-31-815

Prepared for and Submitted to  
The Tennessee State Planning Office  
and  
The Department of Environment and Conversation,  
Division of Solid Waste Assistance

November 15, 1994



## TABLE OF CONTENTS

### PART I

EXECUTIVE SUMMARY.....	i
------------------------	---

### PART II

INTRODUCTION.....	1
CHAPTER I. Description of the Municipal Solid Waste Region...	2
CHAPTER II. Analysis of the Current Solid Waste Management System for the Region.....	14
CHAPTER III. Growth Trends, Waste Projections, and Preliminary System Structure.....	31
CHAPTER IV. Waste Reduction.....	36
CHAPTER V. Waste Collection and Transportation.....	41
CHAPTER VI. Recycling.....	45
CHAPTER VII. Composting, Solid Waste Processing, Waste-to-Energy and Incineration Capacity.....	49
CHAPTER VIII. Disposal Capacity.....	51
CHAPTER IX. Public Information and Education.....	58
CHAPTER X. Problem Wastes.....	60
CHAPTER XI. Implementation: Schedule, Staffing and Funding...	64
CHAPTER XII. Allocation of Implementation Responsibilities: Plan Adoption and Submission.....	66
CHAPTER XIII. Flow Control and Permit Application Review.....	67

### PART III. APPENDICES

APPENDIX A. Legal Documentaton and Organization of the Region..	69
APPENDIX B. Documentation for Adjustments to the Base Year Generation.....	70
APPENDIX C. Public Participation Activities.....	71
APPENDIX D. Exports and Imports.....	72
APPENDIX E. Review and Appropriate Municipal or Regional Planning Commission.....	73
APPENDIX F. 10-Year Disposal Contract Between LCSWDC and Santek	74





## PART I

### EXECUTIVE SUMMARY

## **PART I.**

### **EXECUTIVE SUMMARY**

Part I, The Executive Summary provides an overview of the Loudon County Region's Solid Waste Management Plan, as described in detail in Parts II and III.

#### **A. GENERAL DESCRIPTION OF THE REGION:**

Loudon County is a single county region with a population of 32,132 and an area of 228.6 square miles. Loudon County is bordered on the north by Knox County, the west by Roane County, the south by Monroe County and the east by Blount County. The Tennessee River and I-75 run from the north to the south end of Loudon County. According to population projections compiled by the Sociology Department of the University of Tennessee, Loudon County's population will increase 9.6 percent between 1990 and 2000. TVA figures project a more rapid growth due to residential expansion of the Tellico Village community. The solid waste plan takes into account these estimated demographic changes in population.

**B. RATIONALE FOR REGION FORMATION:**

Loudon County is a single county region. Under T.C.A. Sections 68-31-815(b)(12), 68-31-813(a)-(e) and 68-31-814(b)(1) and (15)], Loudon County must state specific reasons why it failed to adopt a multi-county option. The Loudon County Solid Waste Disposal Commission decided to adopt a single county region for the following reasons: (1) Loudon County wishes to retain control over its waste stream; (2) Loudon County has the resources to meet its waste reduction goals and landfill capacity assurances without the need for agreements with neighboring counties; (3) A single county region was deemed the most cost-effective and environmentally-sound strategy for Loudon County to adopt and; (4) The East Tennessee Development District recommended a single county region during the initial planning phase.

**C. INSTITUTIONAL STRUCTURE:**

In 1987, Loudon County established a five member Loudon County Solid Waste Disposal Commission (LCSWDC). In 1993, the LCSWDC was expanded to seven members. Five members were appointed by the County Executive and approved by the County Commission, and one member each was appointed by the Mayors of the cities of Lenoir City and Loudon, and approved by the respective City Councils.

The purpose of the LCSWDC is to:

1. Provide procurement and overall supervision of the landfill in terms of establishing policies and procedures, setting tip fees, contracting for and supervising operations, and

2. Develop and implement a ten-year solid waste management plan in accordance with T.C.A. 68-211-801 et seq.

The LCSWDC is authorized under an intergovernmental agreement between the City of Lenoir City, County of Loudon, and the City of Loudon, made in September 1983 and amended in June 1987 and March 1993. The LCSWDC has several times by way of announcements in meetings and in local papers requested volunteers for a citizens advisory council. To date, advisors include local experts from CTAS, MTAS, the East Tennessee Development District, TVA, and Keep America Beautiful. The public is invited to all meetings and workshops of the LCSWDC. Meetings are publicly announced and held at least once per month. Three public workshops were held from December 1993 until March 1994 about the solid waste plan and the proposed solid waste disposal contract. The ten-year landfill contract was signed April 5, 1994.

3. Provide recommendations to the County for other solid waste management strategies.

Two public workshops were held on July 16, and 21 1994 to provide public input on the final draft of the solid waste plan.

Santek Environmental Services, Inc., operator of the Matlock Bend Landfill, has also organized a landfill citizens advisory committee to provide input into the operation of the landfill. Committee members are listed in Appendix C.

D. SUMMARY OF CURRENT CONDITIONS AND REGIONAL NEEDS

1. Waste Reduction and Recycling

Loudon County landfilled approximately 125,000 tons of solid waste in 1993. The composition of the waste stream is as follows: residential (10%); commercial (14%); institutional (8%); and industrial (68%). The composition of the waste stream shows the greatest potential for waste reduction in the commercial and industrial sectors. In March 1994, Kimberly Clark announced their intention to divert approximately 200 tons per day from the their waste disposed of at the Matlock Bend landfill beginning April 1995.

A Loudon County Waste Reduction Taskforce which includes the Loudon County Chamber of Commerce and the Tennessee Valley Authority is currently being organized to work with other large commercial/industrial generators. The taskforce will also determine how recycling programs for residential customers can be expanded.

Currently, Loudon County provides one drop-off recycling collection station. Two materials are collected— newspaper and aluminum cans. In 1993, the total amount of materials recycled from the recycling station was 116 tons. Keep America Beautiful of Loudon County (the Loudon County Beautification Board) sponsors the drop-off recycling center at the convenience center located next to the animal shelter on Rock Quarry Road in the City of Loudon. The contact person is Ann Hammontree.

## 2. Waste Processing and Transfer

### a). Recycling Processing

A recycling processing facility is owned and operated by Tennessee Waste Movers, Inc. in Lenoir City. The owner/operator is Sandy Gillman, 12816 Peachview Drive, Lenoir City, TN. The recyclables are co-collected with refuse. At the facility, refuse is dumped onto a concrete floor, where a skid loader scoops it up and places it on conveyor belt. Recyclables are "picked" out of refuse. Residuals are disposed of at the Matlock Bend Landfill.

### b). Transfer Station

The Loudon County Transfer Station is located at Rock Quarry Road. The operators are Jackie Wallace and Jim Rogers. At the facility, the county dump trucks bring solid waste to the transfer station and load it in 40 cubic yard compactors that are hauled to the landfill for disposal. Individual households also bring waste and place it in four 8 cubic yard dumpsters. The County contracts for the hauling of waste from the transfer station to the landfill for disposal. The current throughput rate is approximately 10 tons per day.

### c). Waste to Energy/Incineration

Loudon County does not currently have any waste-to-energy facilities. There are no plans for public waste-to-energy facilities in the next ten years. Kimberly Clark is constructing an on-site

waste-to-energy facility to utilize waste from paper manufacturing.

### 3. Composting

Loudon County is currently landfilling about 10,000 tons of yard and wood waste annually. Alternatives for composting yard waste and municipal solid waste are currently under consideration. The City of Loudon has a permitted compost facility for 75 tons per day, and the LCSWDC has discussed with Santek a program to divert yard and wood waste at the Class I landfill.

### 4. Waste collection

There are approximately 12,645 households in Loudon County. Currently, the City of Loudon and Lenoir City collect refuse from 4,585 households. Thus, 8,060 (12,645-4,585) households are not served by public curbside collection services. The Tennessee Law requires Counties to ensure that 90 percent of their households have adequate collection service through one of the following scenarios: (1) one convenience center per 5000 households unserved by public curbside collection, (2) the county could contract with private haulers to ensure that 90 percent of the households are served, or (3) if the county and the private sector are currently serving 90 percent of the households, then the county would not need formal agreements with the private haulers if the county passed a resolution saying that they would agree to provide services if the private haulers discontinued service.

Given the law, Loudon County has the following options to meet the minimum requirements of the law:

1. Add one additional convenience center;
2. Contract with all the private haulers in the county to ensure a 90 percent service rate; or
3. Since the county already has one convenience center, only 3,060 households are unserved by the public sector (assuming one convenience center serves 5000 households) If it can be shown

that the private sector is serving 1,795 households, then 90 percent of the residents would be served. The county would have to pass a resolution saying that they would provide service if the private haulers discontinued the current collection service. Tellico Village contracts with Waste Management for collection in serving its 800 residential units. Browning Ferris, V&R Garbage Service, and Tennessee Waste Movers all provide curbside collection in Loudon County; however they have not responded to the LCSWDC's request for a list of the households served in Loudon County. The LCSWDC has proposed to implement a policy at the Matlock Bend Landfill to identify the households served by private waste haulers using the landfill. In this manner the LCSWDC intends to ensure that 90 percent of the county's households are served with adequate refuse collection.

According to the 1993 Loudon County Solid Waste Needs Assessment, 1306 households were known to be served by private collection service. At some point in time, Loudon County may consider expanding its



convenience centers from one site located in the City of Loudon to two sites, with the additional site to be determined based on the needs of the county. A minimum of 3,000 households would be expected to use the additional convenience center, generating an average of 11 tons of solid waste per day. Loudon County would build the center in accordance with the Tennessee Convenience Center Rules 1200-1-7-.10(3)(b). The system would utilize thirty three 6-cubic-yard green boxes and an existing front loader. In addition to the collection of refuse, the center would also offer recycling collection. Under this scenario, the County would contract for the hauling of refuse to the landfill. Annualized capital and operating expenses for the entire system are estimated at \$79,600 annually. The estimated tons to be collected for the additional convenience center is 3000 per year. The cost per ton for collection at the new center is projected to be approximately \$26.50. Adding the disposal fee of \$32.25, the total cost of collecting and disposing of solid waste at the convenience center would be \$58.75.

#### 5. Waste Disposal

The location of the Matlock Bend Landfill is on State Highway 72, 1.3 miles northwest of the I-75 interchange in Loudon. Loudon County has four phases planned of the Matlock Bend Landfill, owned by the Loudon County Solid Waste Disposal Commission and operated by Santek Environmental Services, Inc. The remaining planned and existing capacity for all four phases at the landfill as of January 1995 is estimated at 1,575,000 cubic yards. A detailed projection of capacity for the planning period is depicted in Tables VIII-1(a) and (b). The

projection of 1,575,000 cubic yards of capacity is based on Santek's modifications to the 1984 MCI plan. This capacity will provide Loudon County with approximately 15 years of landfill capacity beginning January 1995.

While the projections in Tables VIII-1 and 2 show a surplus in capacity over the next ten years, the excess is estimated another five years, so the Loudon County region will monitor capacity closely through the planning period to determine whether an additional phase at the landfill should be permitted and constructed during the next ten-year planning period. No capacity shortfalls are projected during the planning period and there are no agreements to import waste from another region.

**E. LOUDON COUNTY'S SOLID WASTE MANAGEMENT GOALS AND OBJECTIVES**

**1. Base Year**

The population and quantity of solid waste generated and disposed of in calendar 1989 for Loudon County were 31,500 and 67,910, respectively. Thus, the waste generated and disposed of per capita was 2.16 tons per capita per year. This figure was the actual disposal amount reported by Santek Environmental Services operator of the Matlock Bend Landfill. It should be noted that the 1991 University of Tennessee (UT) Solid Waste Study estimated a waste generation 26,508 tons per year. For planning purposes, Loudon County will use the actual disposal figure reported by Santek and the City of Loudon and not the UT estimate.

Since the UT estimated quantity of waste managed in 1989 for any county in the region has been demonstrated to be in error, proof of the actual base figure was submitted to the Director of the State Planning Office and the Director of Solid Waste Assistance in accordance with T.C.A. Section 68-31-861(a) and (b). Copies of the error documentation for Loudon is included in Appendix B. Table IV-1 reflects the adjusted quantity.

## 2. Target 1995 Waste Reduction Per Capita Disposal Rate

Using 1989 as a base year, the quantity of waste in tons, that must be reduced at the source, or diverted to alternative treatment options, if the region is to meet the statutory goal by December 31, 1995 is 17,673 tons per year. This figure was derived by using the following formula (1989 per capita rate x .25 x 1995 population =  $2.16 \times .25 \times 32,728$  = 17,673 tons).

## **F. HOW THE REGION WILL MEET THE STATEWIDE WASTE REDUCTION GOAL.**

Waste generation in Loudon County has fluctuated significantly since the 1989 Base Year. To understand how Loudon County expects to meet the 1995 waste reduction goal of 17,673 tons per year, the fluctuations in waste disposal since 1989 are presented for analysis:

<u>Year</u>	<u>Landfill Disposal Volume</u>
1989	67,910
1990	73,511
1991	106,798
1992	96,730
1993	125,732
1994 (est)	122,850
1995 (est)	68,591

The large increase in 1991 was due to an increase in industrial MSW (Kimberly Clark and others) disposed of at Matlock Bend Landfill. The reduction in 1992 was a result of Metal Resources's decision to divert 100 Tons per day to an out-of state facility. Shortly after Metal Resources waste diversion measure, Kimberly Clark began doubling their generation rates due to an expansion of the facility. The estimated reduction in 1995 is primarily due to a 200 ton/day anticipated industrial disposal reduction to begin in April 1995. Additional reduction is expected through other industries and residential recycling and yard waste composting. Using a base year of 1989, the target per capita waste reduction will not be met due to the expansion of industry waste generation in Loudon County. However, due to major waste reduction efforts in 1995, the anticipated 1995 landfill disposal quantity is projected to be 86 percent less than the quantity disposed of in 1993.

**G. SYSTEM ELEMENTS INCLUDED IN THE LOUDON COUNTY SOLID WASTE MANAGEMENT PLAN**

The elements of the 10-Year Solid Waste Management Plan include:

Waste Reduction  
Waste Collection  
Recycling (commercial, industrial, and residential)  
Yard Waste/Municipal Solid Waste Composting  
Class I and Class IV Landfills  
Public Education and Participation  
Problem Waste Management

The projected solid waste generation to be collected and managed in 1995 as a percent of the total projected amount handled by each system component is estimated below: (These estimates are based upon Chapters III-X).

<u>Component</u>	<u>Tons per Year</u>	<u>Percent of Total</u>
Industrial waste processing	53,000	51 percent
Residential Waste Recycling	550	1 percent
Yard Waste Diversion	9,000	7 percent
Landfill	<u>64,000</u>	<u>41 percent</u>
<b>Total</b>	<b>125,000</b>	<b>100 percent</b>

The new programs, services, and facilities will be coordinated with the existing system as follows:

1. Source Reduction

The Loudon County Solid Waste Disposal Commission (LCSWDC) is working in cooperation with the Loudon County Chamber of Commerce, the Tennessee Valley Authority, and local industries to conduct waste audits and to implement waste reduction practices. The LCSWDC is also working with the Loudon County Beautification Board, and SanteK Environmental Services, and the State of Tennessee to develop educational programs to reduce household hazardous waste.

## 2. Waste Collection

The LCSWDC is working with Santek Environmental Services to implement a system to determine whether 90 percent of the residential population in Loudon County is served by public or private collection of refuse.

## 3. Recycling

The LCSWDC is working with Loudon County, Santek, and Keep America Beautiful to expand the county recycling collection center and include additional materials. The county is currently recovering newsprint and aluminum cans at the convenience center. The Loudon County Solid Waste Disposal Commission (LCSWDC) and the Loudon County Keep America Beautiful Agency are developing a plan to expand the materials collected at the drop-off recycling centers to include cardboard, glass and other materials as markets develop. Loudon County is a member of the Regional Marketing Cooperative of East Tennessee (RMCET). RMCET interacts with the Tennessee Office of Cooperative Marketing. Through these resources, Loudon County expects to pursue additional markets for recycled materials in the future. Loudon County will also work with regional industries such as Kimberly Clark and Bowater to expand the markets for mixed paper. Kimberly Clark is a regional end-user of mixed waste paper. Loudon County is considering alternatives for developing a local government purchasing and procurement policy for recycled products. The County intends to work with the Tennessee Office of Cooperative Marketing to develop sources for purchasing recycled materials. The LCSWDC is also working with Santek to divert and

recycle waste tires collected in Loudon County.

#### 4. Composting

The Cities of Loudon and Lenoir City have been collecting and composting residents yard waste for over five years.

The Loudon County Disposal Commission is discussing with Santek Environmental Services the feasibility of diverting yard waste from the Class I landfill. The City of Loudon is currently investigating municipal solid waste (MSW) composting technologies. The City of Loudon has a permit by rule to construct a MSW/sludge composting facility.

#### 5. Landfill Disposal

The estimated supply of waste requiring disposal and the estimated disposal capacity over the next ten years is depicted in Table VIII-1. On April 5, 1994, The LCSWDC entered into an agreement with Santek Environmental Services to design, construct, and operate Phases II, and IV of the Matlock Bend landfill.

#### 6. Public Education and Participation

There are 24,189 adults and 5991 school-age children in Loudon County in need of education and information about solid waste reduction and disposal. Several sources for adult and student education exists for solid waste issues. The county relies on the local chapter of Keep America Beautiful (the Loudon County

Beautification Board) to develop recycling education and collection programs. The county provides financial support for the recycling collection programs. The local newspapers, particularly the News-Herald and the Loudon County Independent provide excellent coverage of all LCSWDC meetings as well as any events that impact solid waste decision making in the region. Four local radio stations also report on solid waste issues.

The Loudon County Beautification Board provides Waste in Place curriculum to Loudon County and Lenoir City schools. They also provide in-service training for public school teachers. The Loudon County Solid Waste Disposal Commission holds public workshops for adults and conducts county-wide surveys to obtain citizen input on solid waste policy decisions. Santeck Environmental Services also coordinates a landfill advisory committee to provide input into the management of the Matlock Bend Landfill.

The LCSWDC will continue to encourage public education and information about solid waste issues by inviting the public to all meetings, working with the Beautification Board on educating school children, and conducting public opinion surveys.

#### 7. Problem Waste Management

The Solid Waste Management Act requires planning regions to describe how the regional programs will handle waste oil, automobile batteries, and tires, as well as to state how they will interface with the state household hazardous waste collection service. The



1991 Solid Waste Management Act bans disposal of scrap tires, batteries and waste oil in landfills after January 1, 1995, and requires each county to develop an infrastructure for accepting, storing, recycling or safe disposal of these materials by the end of 1994. The Loudon County regional plan addresses these requirements as follows:

a). Household Hazardous Waste

Loudon County will co-sponsor with the state of Tennessee a household hazardous waste collection day on June 3, 1995. Loudon County will work with Santeck Environmental Services and the Beautification Board to develop the public education aspect of the project. The site selected for the collection day is the Matlock Bend Landfill. The education will begin in the winter of 1994 through education of adults and students. In addition to safe management, the public will be taught about safe substitutes for household hazardous waste. Loudon County will provide local volunteers to assist in the collection by providing traffic control and local emergency response. The costs to Loudon County should be for education, promotional services and emergency services (most of the expenses will be in the form of in-kind services). Loudon County has submitted a grant proposal to the state in 1995 for the state to cover the collection and disposal costs of the program.

b). Waste Tires

Waste tires generated in Loudon County are and will continue to be collected at the Matlock Bend landfill. The permitted storage area

has been constructed at the landfill. Currently, approximately 350 tons of tires are received at the landfill each year. The tires are stored in a transfer trailer according to the state permit requirements. The tires are transported to Atlanta for recycling. Santek Environmental Services is responsible for market development or disposal of the tires.

c). Waste Oil

A portion of the waste oil generated in Loudon County is currently being handled by the private sector. However, to increase the proper disposal of waste oil and other automotive fluids, a station with a 300 gallon tank to receive waste automotive products will be built at the landfill by January 1, 1995. Santek will contract with a private oil company to transport and recycle the used automotive fluids. Santek will monitor the station to ensure the safety of the public and the environment.

d). Automotive Batteries

Lead acid batteries are being collected by the private sector. Residents can also drop-off lead acid batteries at the convenience center or at the Matlock Bend landfill. The station for waste oil that will be constructed at the landfill will also have a storage area for lead acid batteries.

e). Litter

Loudon County has a litter prevention program that is funded by a state litter grant of approximately \$20,000 annually. The grant

manager is Ann Hammontree of the Loudon County Beautification Board. The program utilizes prisoners to collect litter along the roadside. Complaints about unauthorized dump sites are also investigated by local law enforcement agencies.

#### H. IMPLEMENTATION SCHEDULE

1. Based on the implementation schedules and milestones developed for each plan element described in Chapter V through X, and parts C and D of this chapter, the following composite implementation schedule is submitted with milestones for the 10-year period, 1994 through 2003.

- 1994
1. Contract approval and implementation of Phase 2 and 4 of Matlock Bend landfill.
  2. Approval by LCSWDC and Loudon County Commission of the 10-Year Solid Waste Management Plan.
  3. Submission of the Plan to the State Planning Office, and the Office of Solid Waste Assistance.
  4. Expansion of County recycling center.
  5. Development of tire recycling program.
- 1995
1. Implementation of a household hazardous waste collection program.
  2. Development of composting, waste oil collection, and lead acid battery programs at the landfill.

**I. ESTIMATED TEN-YEAR SYSTEM COSTS \***

The estimated ten-year costs of the system are as follows:

1. Contract with Santek for disposal and other waste reduction activities at the landfill (Expenses are based on the fee schedule of the ten-year disposal contract, and Table VIII-1(b)). Operating cost 490,291 tons x \$30.40 13,650 tons x \$27.21 341 tons x \$27.54 State Surcharge 504,282 tons x \$.85	\$15,285,654 \$428,640
2. Convenience center (\$60,000 x 10 years)	\$600,000
3. Recycling stations at landfill (\$5,000 x 10 years)	\$50,000
4. Class IV and recycling processing (operated by private sector)	cost unknown
<b>Total</b>	<b>\$16,364,294</b>

\*NOTE: This figure understates the total cost because it is not adjusted for inflation.

**J. ALLOCATION OF RESPONSIBILITIES**

Loudon County is a one-county region. The full responsibility for implementation resides with the LCSWDC and the County Commission. The regional plan has been formally adopted by resolution of the regional administrative board (the Loudon County Solid Waste Disposal

Commission) and signed by its Chair. The plan has also been adopted by the Loudon County Commission, to acknowledge the county's commitment to support the plan and to assure that the municipal solid waste region has complied with T.C.A. 13-3-105 and/or 13-4-104. A copy of the minutes of the county commission meeting indicating that this draft municipal solid waste plan has been submitted to the county commission for review, comment, and adoption before it was submitted to the State Planning Office is included in Appendix E.

## **PART II**

# **LOUDON COUNTY SOLID WASTE PLAN**

LOUDON COUNTY REGIONAL  
SOLID WASTE MANAGEMENT PLAN

Introduction:

The Solid Waste Management Act of 1991 requires the formation of municipal solid waste planning regions, based on the recommendations of a District Needs Assessment prepared under the leadership of the state's nine Development Districts. The purpose of the District Needs Assessment was threefold: (1) to carry out an inventory and analysis of the existing solid waste management system; (2) to define needs for additional services and facilities for the next ten years; and (3) to recommend rational waste disposal areas, which may provide the nucleus for a municipal solid waste planning region.

The purpose of the regional plan is to set forth how planning regions will meet these needs. The regional plan is based on the inventory of facilities, services and programs provided in the District Needs Assessments. The data collected in the District Needs Assessment was updated and revised according to significant changes in waste generation and management capacity for the planning period, which was not projected in the Assessment.

The base year of the plan is 1993, and the planning horizon is 1995-2004. The plan consists of three parts: (1) an Executive Summary; (2) a detailed plan; and (3) Appendices. The plan will be submitted to the State Planning Office no sooner than July 1, 1994, after public hearings have been conducted in Loudon County.

The Statutory Authority requiring preparation of a plan and describing its content is found in the following sections of the Tennessee Code Annotated: T.C.A. Sections 68-31-813(c); 68-31-814(a); 68-31-814(b)(6); 68-31-815; 68-31-851(b); 68-31-861(f); 68-31-842; 68-31-871(a) and (b); and indirectly, in 68-31-866(b); and 49-7-121.

DESCRIPTION OF THE  
MUNICIPAL SOLID WASTE REGION

## A. GENERAL DESCRIPTION:

Loudon County is a single county region with a population of 32,132 and an area of 228.6 square miles. Loudon County is bordered on the north by Knox County, the west by Roane County, the south by Monroe County and the east by Blount County. The Tennessee River and I-75 run from the north to the south end of Loudon County (see Loudon County base map at the end of this chapter). According to population projections compiled by the Sociology Department of the University of Tennessee, Loudon County's population will increase 9.6 percent between 1990 and 2000. TVA figures project a more rapid growth due to residential expansion of the Tellico Village community. The solid waste plan takes into account these estimated demographic changes in population.

## B. RATIONALE FOR REGION FORMATION:

Loudon County is a single county region. Under T.C.A. Sections 68-31-815(b)(12), 68-31-813(a)-(e) and 68-31-814(b)(1) and (15)], Loudon County must state specific reasons why it failed to adopt a multi-county option. The reasons are as follows: (1) Loudon County wishes to retain control over its waste stream; (2) Loudon County has the resources to meet its waste reduction goals and landfill capacity assurances without the need for agreements with neighboring counties; (3) A single county region was deemed the most cost-effective and environmentally-sound



strategy for Loudon County to adopt and (4) The East Tennessee Development District recommended a single county region in the district needs assessment for Loudon County.

**C. INSTITUTIONAL STRUCTURE:**

In March 1993, Loudon County established the seven member Loudon County Solid Waste Disposal Commission (LCSWDC). Five members were appointed by the County Executive and approved by the County Commission, and one member each was appointed by the Mayors of the cities of Lenoir City and Loudon, and approved by the respective City Councils.

The purpose of the LCSWDC is to:

1. Provide procurement and overall supervision of the landfill in terms of establishing policies and procedures, setting tip fees, contracting for and supervising operations, and
2. Develop and implement a ten-year solid waste management plan in accordance with T.C.A. 68-211-801 et seq.

The LCSWDC is authorized under an intergovernmental agreement between the City of Lenoir City, County of Loudon, and the City of Loudon, made in September 1983 and amended in June 1987 and March 1993. The LCSWDC has several times by way of announcements in meetings and in local papers requested volunteers for a citizens advisory council. To date, advisors include local experts from CTAS, MTAS, the East Tennessee Development District, TVA, and Keep America Beautiful. The public is invited to all meetings and workshops of the LCSWDC. Meetings are publicly announced and held at least once a month. Five public workshops have been held from December 1993 until August 1994 about the solid waste plan and the solid waste disposal contract.

# CHAPTER I: FORMS

## A. REGIONAL SUMMARY: DEMOGRAPHICS (1993)

1. Name of Region Loudon County
2. Regional Population 32,132 (1993 Census adjusted)
3. Regional Area 228.6 square miles
4. Population and Population Density: (Table I-1).

Table I-1  
Demographics

Loudon County	Area (Sq. Miles)	Population	Avg. Density Population/sq.miles
Regional Total	228.6	32,132	141

Source: 1990 Census (adjusted)

5. Distribution of the Total Regional Population, by urban and rural areas:

Table I-2  
Loudon County Population

Loudon County	Urban		Rural	
	Population	%	Population	%
Regional Total	10,732	33.4	21,400	66.6

Source: 1990 Census (adjusted)

6. Distribution of the Total Regional Population by Sex and Age

Table I-3  
Population by Age and Sex

Age	Total	Male	%	Female	%
0 - 4	2,028	1,028	50.7	1000	49.3
5 - 17	5,581	2,913	52.2	2,668	47.8
18 - 44	12,576	6,236	49.6	6,340	50.4
45 - 64	7,194	3,453	48.0	3,740	52.0
65+	4,753	1,858	39.1	2,896	60.9
Regional Total	32,132	15,488	48.2	16,644	51.8

Source: 1990 Census (adjusted)

7. Distribution of Regional Population by Education (Age  $\geq$  25)

Table I-4  
Population by Education

Loudon County	Number	%
Less than 9th Grade	6,138	19.1
9th-12th grade, no diploma	5,495	17.1
High School Graduate	10,636	33.1
College (1-4)	8,931	27.8
Post Graduate/Professional (>4)	932	2.9
Regional Total	32,132	100.0

Source: 1990 Census (adjusted)

8. Total Number of Households in Region 12,155 (1990)

9. Distribution by Type of Housing and Occupancy

Table I-5  
Population by Housing and Occupancy

Loudon County	Total Units	Occupied	Owner	Rented
Single Family				
1, Detached	25,313	10,300	8,681	1,619
1, Attached	314	138	75	63
Multi-Family				
2	415	405	10	395
3 - 4	424	415	9	406
5 - 9	421	205	7	198
10 - 19	432	211	4	207
20 - 49	26	25	0	25
50 or more	0	0	0	0
Institutional	329	NA	NA	NA
Mobile Home/Trailer	4,321	1,668	1,262	406
Other	137	109	67	42
Regional Total	32,132			

Source: 1990 Census

10. Regional Population Projections 1994 - 2003

Table I-6

Regional Population 1993: 32,132

Year	Projected Population	Change	
		Number	%
1993 (base yr)	32,132		
1994	32,428	296	0.9
1995	32,728	300	0.9
1996	33,030	302	0.9
1997	33,335	305	0.9
1998	33,643	308	0.9
1999	33,954	311	0.9
2000	34,264	310	0.9
2001	34,503	239	0.7
2002	34,744	241	0.7
2003	34,987	243	0.7

Source: University of Tennessee, Department of Sociology

According to the population projections compiled by the University of Tennessee, Department of Sociology, Loudon County's population will increase 9.6% between 1990 and 2000. However, ETDD feels this may be a conservative figure due to the large residential growth around Tellico Lake and in the planned community, "Tellico Village." It is anticipated that the municipalities of Loudon and Philadelphia will continue to decline in population during the next two decades unless major annexations occur. This decline is due to the limited amount of new construction and an overall decline in household size. The municipalities

of Greenback and Lenoir City are expected to experience modest growths in the next two decades.

Waste generation projections predict a sizeable increase over the next 10 years in Loudon County. Major emphasis will need to be placed on adequate County collection and disposal services as a result of significant population increases outside the municipalities.

#### B. Economic Activity

1. Basic economic information, for each county, and the region in 1991.

Table I-7  
Economic Activity (1991)

Loudon County	Population	MSA County (yes/no)	Total Employment	Total Earnings	Per Capita Income	% Population Below the Poverty Line
Regional Total	32,132	No	12,310	433,473,000	13,832	13.6

Source: Loudon County Solid Waste Needs Assessment, 1992.

2. Non-Agricultural Employment, by Sector, in 1993 10,842

Table I-8  
% of Total Employment

Loudon County	Regional Total	%
Manufacturing	3,478	32.1
Construction	684	6.3
Trade	1,833	16.9
Finance	655	6.0
Service	2,252	20.8
Government	1,313	12.1
Transportation Public Utilities	529	4.9

Source: Loudon County Solid Waste Needs Assessment, 1992.

3.Total Agricultural Employment in 1991 1,468

Table I-9  
Agricultural Employees

Loudon County	Employment
Regional Total	1,468

Source: Loudon County Solid Waste Needs Assessment, 1992.

4.Regional summary of major generators of commercial and non-hazardous industrial waste in 1991. The major generators for 1991 were as follows:

City of Loudon	2,800 tons
Lenoir City	5,700 tons
Loudon County	4,000 tons
Volunteer Refuse	19,800 tons
Tennessee Waste Movers	6,000 tons
Kimberly Clark	36,000 tons
Metal Resources	30,000 tons
Other	4,700 tons
Total	109,000 tons



Table I-10

Major Generators of Solid Waste In Loudon County, 1991

Loudon County	Screening Criteria Applied	Number of Generators	Estimated Total Quantity of Waste
Regional Total	>2,500 TPY	8	109,000 TPY

Source: LCSWDC files, Year-end 1993.

5.Regional summary of institutions housing more than 100 persons.

Table I-11

Institutions Housing More Than 100 Persons, 1991

Loudon County	Total Number of Institutions	Total Number of Residents	Estimated Quantity of Waste Generated
Regional Total	NONE		

6. Summary data on major health care facilities (larger than 50 beds),  
(hospitals, nursing homes) in the region.

Table I-12

Major Health Care Facilities (1991 Generation)

Loudon County	No. of Facilities	No. of Beds	Infectious Waste Management		Est. Quantity of Solid Waste Generated
			On Site/Offsite	Type Treatment	
Regional Total	3	346	off-site	incineration	416 TPY

Source: Loudon County Solid Waste Needs Assessment, 1992.

7.Sources of local revenue utilized in the region.

Table I-13

Sources of Local Revenue

Loudon County	Property Tax	Local Sales Tax	Wheel Tax	Local Waste Collection Fee*	User Fee/ Tipping Fee	Other
Regional Total	+	+	0	+	+	0

\*Lenoir City has a waste collection fee

Source: Loudon County Needs Assessment, 1992

8.Revenue data for fiscal 1993.

Table I-14

Loudon County	Total Assessed Property Value	Total Property Tax Revenue	Total Sales Subject to Sales Tax	Total Local Sales Tax Revenue	Total Wheel Tax Revenue
Regional Total	311,894,684	8,336,198	177,454,636	2,440,867	0

Source: Loudon County Trustee, 1993

ANALYSIS OF THE CURRENT SOLID WASTE  
MANAGEMENT SYSTEM FOR THE REGION*Statutory Requirements:*

*"...(E)ach plan submitted by a municipal solid waste region shall include the following:... (2) a current system analysis of: (A) waste streams, including data concerning types and amounts generated; (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; (C) disposal capability, including an analysis of the remaining life expectancy of landfills or other disposal facilities; (D) costs, using a full-cost accounting model developed by the State Planning Office; including costs of collection disposal, maintenance, contracts, and other costs; and (E) revenues, including cost reimbursement fees, appropriations, and other revenue sources." [T.C.A. Section 68-31-815 (b)(2)]*

Supporting data for this chapter are displayed in the County Profiles, prepared for each county as a part of the District Needs Assessments (Chapters III, V, VI, VII, VIII, and IX). Data had been updated according to changes in 1993 and projection for the planning period.

## A. WASTE STREAM CHARACTERIZATION

Loudon County's waste stream differs from the national percentages in the following categories: yard waste & wood is less than national averages due to the more rural nature of the county (yard waste would be less and wood waste is most likely higher than the national percentages). Loudon County also has a large industrial base which contributes greatly to the waste stream. Metal Resources, Viskase and Kimberly-Clark are among the largest industries contributing the majority of the industrial waste stream to Loudon County's Landfill.

### LOUDON COUNTY WASTE COMPOSITION ANALYSIS

A mail-out waste composition survey was conducted in the fall of 1993 by SanteK Environmental Services of hauling customers of the Matlock Bend Sanitary Landfill. Data was aggregated and analyzed by Dr. Peggy Douglas, consultant to the Loudon County Solid Waste Disposal Commission. Haulers were asked to provide the loads and types of waste hauled during a given week for each generator. The survey was taken to determine the composition of the waste stream disposed of in a typical week in Loudon County. The analysis is admittedly limited in that the sample time period may not be representative of any given week of any given year. Also, some haulers did not respond to the survey. However, the analysis can be used in general to obtain insight into areas where commercial and residential waste reduction may be initiated.

The following table depicts the composition of the waste stream in Loudon County as estimated from the Waste Composition study:

<u>TYPE OF WASTE</u>	<u>TONS IN 1993</u>	<u>% OF TOTAL WASTE</u>
residential	12,500	10%
commercial	17,920	14%
institutional(schools, hospitals, etc.)	10,000	8%
industrial(non-hazardous)	85,000	68%

The waste composition analysis shows the greatest potential for waste reduction in the commercial/industrial sector. Kimberly Clark has announced their intent to divert approximately 200 tons per day of their waste disposed of at the Matlock Bend (Loudon County) landfill as of April 1995. A Loudon County Waste Reduction Taskforce which includes the Loudon County Chamber of Commerce and the Tennessee Valley Authority is currently being organized to work with other large commercial/industrial generators. The taskforce will also determine how recycling programs for residential customers can be expanded.

#### **B. WASTE COLLECTION AND TRANSPORTATION SYSTEMS**

Loudon County provides one convenience center in Loudon for residential refuse collection. The City of Loudon, Lenoir City, and the Tellico Village Property Owners Association (TVPOA) provide public collection services. No municipalities in the county contract with a private company to provide collection services. The following private companies provide collection services by contracting directly with householders or businesses:

<u>COMPANY</u>	<u>No. of Households</u>	<u>No. of Businesses</u>
V&R Garbage Service	200 (known)	1
Browning Ferris Industries	283 (known)	65

The following collection services are available in the county:

<u>TYPE</u>	<u>NUMBER OF HOUSEHOLDS</u>
Convenience Centers	5,000
Public House-to-House Pickup	4,585
"Green Box" Drop	0
Known Contracted Private Service	823
No Service or Unknown Service	1,754

#### C. SOURCE REDUCTION AND RECYCLING SYSTEMS

##### RECYCLING COLLECTION SERVICES AND PROGRAMS

Keep America Beautiful of Loudon County (Loudon County Beautification Board) sponsors a drop-off recycling center at the convenience center in the City of Loudon. The contact person is Ann Hammontree, Loudon County Beautification Board, P. O. Box 246, Loudon, TN 37774. Telephone: (615) 458-4470. The site is attended by Jackie Wallace and Jim Rogers. Operating hours are Sunday-Saturday 8:00-6:00 p.m. In 1993, the volume of recyclables collected at the center was 116 tons. Materials collected were newsprint and aluminum cans.

D. WASTE PROCESSING, COMPOSTING, TRANSFER STATION AND WASTE-TO-ENERGY/INCINERATION SYSTEMS

1. Recycling Processing

A recycling processing facility is owned and operated by Tennessee Waste Movers, Inc. in Lenoir City. The owner/operator is Sandy Gillman, 12816 Peachview Drive, Lenoir City, TN. The recyclables are co-collected with refuse. At the facility, refuse is dumped onto a concrete floor, where a skid loader scoops up and places on conveyor belt. Recyclables are "picked" out of refuse.

2. Composting

The Cities of Loudon and Lenoir City collect and compost residential yard waste. There are no other composting facilities at this time; however, Santek Environmental Services has proposed to compost yard waste at the landfill starting in 1995. The total volume of yard waste landfilled in 1993 was 10,000 tons. Additionally, the City of Loudon has obtained a permit by rule to contract and operate a municipal solid waste/sludge composting operation in Loudon County.

3. Transfer Station

The Loudon County Transfer Station is located at Rock Quarry Road. The operators are Jackie Wallace and Jim Rogers at (615) 458-9030. At the facility, the county dump trucks bring solid waste to the transfer station and load it in 40 cubic yard compactor that are hauled to the landfill for disposal. Individual households also bring waste and place in four 8 cubic yard dumpsters. The County hauls waste from the transfer station to the landfill for disposal. The current throughput rate is approximately 10 tons per day.



#### 4. Waste to Energy/Incineration

Loudon County does not currently have any waste-to-energy facilities. There are no plans for public facilities in the next ten years. Kimberly Clark has notified the LCSWDC that the company will build an on-site waste-to-energy facility to utilize waste from paper manufacturing. The estimated throughput is 200 tons per day, and the facility is anticipated to begin operations in April 1995.

#### **E. DISPOSAL FACILITIES – LANDFILLS AND BALEFILLS**

The Loudon County Class I Disposal Facility is the Matlock Bend Landfill, State Highway 72, 1.3 miles northwest of I-75 interchange in Loudon (Permit Number SNL 53-103-0203; Issued 1985). The owner is the Loudon County Solid Waste Disposal Commission (LCSWDC) and the operator is Santek Environmental Services, Inc., 1306 S. Lee Highway, Cleveland, TN 37311. Telephone: (615) 458-2651. The operating hours are : Monday through Friday 7:30 am until 3:00 pm and Saturday 7:30 am until 12:00 pm.

The landfill serves Loudon County residential and commercial/industrial customers. In addition to residential and commercial refuse and industrial waste, the facility also accepts the following:

1. Land clearing wastes, brush leaves, and grass trimmings (10,000 tpy)
2. Demolition waste (4,263 tpy)
3. Special wastes including asbestos from Viskase; and sandblasting waste from TVA (3,000 tpy); and Kimberly Clark sludge from paper manufacturing (74,000tpy).
4. Scrap tires (350 tpy)

**F. COSTS OF THE CURRENT SYSTEM**

FY 93 Annual solid waste expenditures by the public sector in Loudon County are reported below:

	CITY OF LOUDON	LENOIR CITY	LOUDON COUNTY
Equipment	43,107	5,500	0
Collection Personnel and Operations	112,371	114,259	0
Disposal	60,996	80,961	140,000
Convenience Center	0	0	40,000
Total	216,444	245,760	180,000

Average cost/ton (tipping fee) to dispose of MSW at the landfill in 1991 \$20.00

Average cost/ton (tipping fee) to dispose of MSW at the landfill in 1994 \$27.50

Source: Financial Departments of Cities of Loudon and Lenoir City, and Loudon County.

**G. REVENUES**

Solid waste collection, transportation, recycling and disposal costs for Lenoir City, the City of Loudon, and Loudon County are funded by appropriation from the general fund into a special fund for solid waste services. Lenoir City charges residents a monthly collection fee.

#### **H. PUBLIC INFORMATION AND EDUCATION PROGRAMS**

The Loudon County Beautification Board provides in-service training to Loudon Schools. In elementary schools, aluminum cans are recycled (proceeds used for school programs). The coordinator of the recycling activities is Ann Hammontree of the Loudon County Keep America Beautiful Chapter (KAB) P.O. Box 246, Loudon, TN 37774. Phone: (615) 458-4470. The recycling education curriculum used for children K-12 is KAB's Waste in Place.

The KAB holds monthly workshops on environment, dogwood festival, etc. for adults. The adult population is also offered education through town meetings and the LCSWDC workshops.

#### **I. PROBLEM WASTES**

In 1994, Santek Environmental Services, operator of the Matlock Bend Landfill will be constructing a tire collection, processing, and storage center at the landfill. Waste oil collection will be offered at the landfill when the site is approved to accept the waste. The Loudon County Solid Waste Disposal Commission will be sponsoring a taskforce to design an education program for the collection of household hazardous waste and will be making application to the state to provide for a household hazardous waste collection event to be held annually. Details of the problem waste management plan are specified in Chapter X.

#### **J. SYSTEM MAP FOR BASE YEAR (1993)**

A map showing the solid waste system in Loudon County is presented at the end of this Chapter. Components of the system include:

1. current and future convenience center sites;
2. collection service areas;
3. transfer station;
4. current and future recycling collection sites;
5. transportation routes;
6. processing facilities sites;
7. future composting facility site;
8. landfills, and balefill sites;
9. educational program sites (e.g., schools)

**K. STRENGTHS AND WEAKNESSES OF EXISTING SYSTEM**

The major strength of the system is the infrastructure that is already in place. A large amount of waste reduction is already being realized by major industries in Loudon County. Lenoir City and the City of Loudon have established yard waste composting programs. Approximately ninety percent of the residences are served by private or public refuse collection systems. The county has a transfer station, a recycling center. The LCSWDC has a contract for the development and operation of the Matlock Bend Landfill for the next ten years. The City of Loudon has a permit to build a MSW Composting facility. The issue facing Loudon County is how to expand the existing infrastructure in a cost-effective and environmentally-sound manner.

## CHAPTER II: FORMS

### A. REGIONAL SUMMARY: WASTE STREAM COMPOSITION

1. Quantity of waste received for disposal in Calendar year 1991:

Table II-1

County	Tons disposed	1991 Population	Tons per capita
Loudon	107,454	31,547	3.41

Source: LCSWDC files, 1994.

2. Origin of Solid Waste in 1991: (Reported quantities are estimated).

Table II-2

Source	Quantity Tons/Year	% of Total
Residential	16,118	15%
Commercial/ Institutional	32,236	30%
Non-hazardous Industrial	58,681	54%
Special**	1,075	1%
Other	—	—

Source: Data provided by SanteK Environmental Services, 1994.

3. Acceptance of Certain Categories of Solid Waste for Disposal:

Quantities of the following materials, that could be recycled, composted, or diverted to a Class III Landfill (yard wastes) or a Class IV Landfill (construction and demolition wastes) were received for disposal in a Class I (municipal solid waste) landfill, or permitted incinerator in 1991. Quantities are reported in tons/year.

Table II-3

	Yard Waste (clippings, leaves, grass)	Sewage Sludge	Construction Demolition	Tires	White Goods *
Facility	Qty	Qty	Qty	Qty	Qty
Loudon County Landfill- Matlock Bend	10,000	5,400	4,263	350	350

\* "white goods" - discarded major appliances such as washing machines, dryers, refrigerators, etc.

4. Description of the Waste Stream by Materials:

Table II-4

Loudon County Municipal Solid Waste Disposed of in 1993

Generator	Major Type of Waste	Tonnage landfilled in 1993
Kimberly Clark	paper sludge	75,150
Metal Resources	furnace slag	7,200
Volunteer Refuse	res/comm/ind. hauler	16,770
Lenoir City	residential	5,800
City of Loudon	residential/commercial	3,100
Loudon County	residential	2,150
TN Waste Movers	residential	2,500
Other	commercial/industrial	12,750
Total		125,420

Source: LCSWDC files.

5. Unmanaged Solid Waste \*\*

Calculate potential maximum solid waste generation, by county, according to the following:

$$\text{Municipal Solid Waste (tons/year)} = \frac{\text{1991 population} \times \text{pounds/person/day} \times \text{365 days/year}}{2,000 \text{ lbs/ton}}$$

\* using the figure 6 lbs./person/day reported by UT Report.



Table II-5

Potential Waste Generation 1991 tpy	Actual Waste Disposed 1991 tpy	Unmanaged Waste 1991 (potential-actual) tpy	Percent of Potential Total
34,544	107,454	-72,910	-211%

\*\* Wastes that are "outside" the collection system such as materials in roadside dumps, litter, etc.

#### REGIONAL SUMMARY: FACILITIES

##### 6. Composting Facilities

Table II-6

#### Operating and Planned Composting Facilities in the Region

	Loudon County	Facility Location	Tons of Waste Processed	Composted Materials		
				Yard Waste	Sewage Sludge	Solid Waste
Existing:	Cities of Loudon and Lenoir City	Cities of Loudon and Lenoir City	unknown	unknown	0	0
Planned:						

7. Municipal Solid Waste Incinerators or Waste-to-Energy Facilities in the Region

Table II-7

Operating Facilities

Loudon County	Facility Location	Design Capacity tons/year	Current Use tons/year	Anticipated Operating Life of Facility
Viskase	on site			

Planned Facilities

Loudon County	Facility Location	Design Capacity tons/day	Current Use tons/year	Anticipated Operating Life of Facility
Kimberly Clark	on site	200	N/A	

8. Existing Municipal Solid Waste Landfills in the Region, July 1994.

Table II-8

Loudon County	Name of Landfill	Location	Permitted Capacity (Acres)	Current Rate of Waste Accepted (tons/day)	Remaining Capacity (cu.yds)
Total	Matlock Bend (Phases 1, 2 3, and 4) *	Loudon County	61.6	450**	1,575,000***

- \* Phase 1      27.5 acres (Class I)
- Phase 2      17.5 acres (Class I)
- Phase 3      5.5 acres (Class III)
- Phase 4      11.1 acres (Class I)

\*\* Source: 1994 estimate, Santek Environmental Services July 1994.

\*\*\* Estimate as of July 26, 1994, Santek Environmental Services, with modification to MCI plan.

9. Existing Landfills Expected to Close Before 2003

Table II-9

Loudon County	Location	Current Use (Tons/Day)	Current Annual Use (Tons/Year)	Anticipated Date of Closure
Total	Matlock Bend Phase 1)	450	125,000	September 1994

Source: Santek Environmental Services, March 1994.

10. Planned Expansions and Planned New Facilities Which Will Operate for Ten Years or More

Table II-10

Region	Proposed Facility		When Will Capacity be Available	Permitted Capacity (acre)	Design Rate of Waste (tpd) Disposed	Potential Expansion Yes/No
	Expan.	New				
Loudon County	Matlock Bend Phase 2,3,4		October 1994	34.1	160	yes
Planned New Regional Capacity 1,501,873 cubic yards						

Source: Santek Environmental Services, February 1994.

11. Total Existing and Planned Capacity in the Region at the Close of the Next Ten Years

Table II-11

Year	CUBIC YARDS		
	Existing	Planned*	Total
FY 1994	187,500	1,575,000	1,160,148
FY 1995	1,501,873	73,127	1,575,000
FY 1996	1,203,322	73,127	1,429,474
FY 1997	1,074,184	73,127	1,193,707
FY 1998	1,074,184	0	1,074,184
FY 1999	953,478	0	953,478
FY 2000	813,577	0	813,577
FY 2001	708,467	0	708,467
FY 2002	583,668	0	583,668
FY 2003	458,117	0	458,117
FY 2004	204,505	0	204,505

\* REMAINING CAPACITY AT MATLOCK BEND LANDFILL AS OF 1/31/94

PHASE I 187,500 CY  
 PHASE II & IV modified  
 PHASE III 73,127 CY

Source: Estimates based on proposed Phase II modified Landfill Design of 1984 MCI plan- Santek Environmental Services.

*Statutory Requirements*

*"...(E)ach plan submitted by a municipal solid waste region shall include... anticipated growth trends for the next ten-(10) year period...and anticipated waste capacity needs." [T.C.A. Section 68-31-815(b)(4) and (5)]*

In this chapter, growth trends and waste generation will be projected over the ten-year planning period (1994-2003). In defining regional solid waste management demand, the planning region used the same methodology and reporting format used by the District Needs Assessment. The regional plan shows the possible components of an integrated waste management system will be considered in the plan.

A. Growth trends and waste projections reported in the Loudon County Solid Waste Needs Assessment were reviewed, revised, and extended in Tables III-1 through III-4. Waste projections were revised based on events and plans made in 1993.

B. The projected 10-year demand for solid waste services is less than the current supply and planned additions to the current system.

## C. PRELIMINARY SYSTEM DESIGN

The elements that will be included in a comprehensive waste management system include: source reduction and education, commercial waste reduction, residential recycling, yard waste composting, Class I disposal, tire recycling, and special and household hazardous waste management. The percentage of waste handled by each component is:

Industrial waste reduction (Kimberly Clark and Metal Resources)	51 %
Residential source reduction and recycling	1 %
Yard waste composting	7 %
Class I landfill	41 %

### CHAPTER III: FORMS

1. The following Table summarizes calculations of annual per capita solid waste generation rates for Loudon County.

Table III-1

Loudon County	Total Waste Disposed in FY 1993	Projected Population 1993	Annual Per Capita Generation Tons/Person/Year
Total	125,600*	32,132	3.9

\*Source: LCSWDC files, March 1994.

2. Table III-2 summarizes the projected quantity of solid waste requiring disposal (base on a generation rate of 3.91 times the annual population) in the region in each projected year, adjusted for population changes.

Table III-2

Quantity of Solid Waste Requiring Disposal (tons)\*

Loudon County	Total	Loudon County	Total
1994	126,794	1999	132,760
1995	127,967	2000	133,972
1996	129,147	2001	134,906
1997	130,340	2002	135,851
1998	131,544	2003	136,800

\* Based on population projections from Table I-7 and a waste generation rate of 3.91 tons/person/year.

3. Table III-3 summarizes the projected quantity of solid waste requiring disposal in the region for each projection year, adjusted for population growth and economic growth.

Table III-3

Quantity of Solid Waste Requiring Disposal (in tons)  
Adjusted for Population and Economic Growth\*

Loudon County	Total	Loudon County	Total
1994	130,851	1999	137,008
1995	132,062	2000	138,259
1996	133,280	2001	139,223
1997	134,510	2002	140,198
1998	135,753		

\* Projections based on an annual economic growth rate of 3.2 percent. Source: UT Center for Business and Economic Research estimates of Gross State product growth between 1990 and 1999.

4. Table III-4 summarizes the projected quantities of solid waste requiring disposal (= generation) for each projection year, adjusted for population growth, economic growth, and source reduction, recycling, and industrial process change.

Table III-4

Quantity of Waste Requiring Disposal (in tons) Adjusted for Population Changes, Economic Growth, and Waste Reduction and Recycling\*

Loudon County	Total	Loudon County	Total
1994	116,851	1999	47,779
1995	68,591	2000	48,352
1996	46,410	2001	48,933
1997	46,655	2002	49,520
1998	47,213	2003	50,114

\* Waste Reduction estimates based on a 55,000 ton per year reduction by Kimberly Clark beginning April 1995 and residential and commercial recycling beginning January 1995.

5. Table III-5 summarizes projected waste after adjustments for regulatory factors, if any, displaying adjusted projections for each projection year. (Omit this Table if no regulatory credits were claimed by any county in the region.)

**Table III-5 (optional)**

\* OMITTED, No regulatory credits anticipated.

6. Table III-6 summarizes county adjustments for special factors, for each projection year.

**Table III-6\* (Optional)**

**Annual Projections of Solid Waste Requiring Disposal Adjusted for  
Special Factors (in tons/year)**

\* OMITTED, No special factors claimed.

7. Table III-7 summarizes projected waste generation for each projection year, adjusting for all net imports or exports of wastes. (Omit the table if no exported or imported waste adjustments were made by any county in the region.)

**Table III-7\* (optional)**

**Annual Projections of Solid Waste Requiring Disposal Adjusted for  
Waste Imports or Exports (in tons/year)**

\* OMITTED, Estimates in Tables III (1-4) are net figures.



8. Table III-8 indicates projected quantities of solid waste which will require collection and disposal in each projection year, after adjustment for all applicable factors.

Table III-8\* (Optional)

Annual Projections of Solid Waste Requiring Disposal Adjusted for All Applicable Factors (in tons/year)

Loudon County	Total	Loudon County	Total
1994	116,851	1999	47,779
1995	68,591	2000	48,352
1996	46,410	2001	48,933
1997	46,655	2002	49,520
1998	47,213	2003	50,114

The large increase in 1991 was due to an increase in industrial MSW (Kimberly Clark and others) disposed of at Matlock Bend Landfill. The reduction in 1992 was a result of Metal Resources's decision to divert 100 Tons per day to an out-of state facility. Shortly after Metal Resources waste diversion measure, Kimberly Clark began doubling their generation rates due to an expansion of the facility. The estimated reduction in 1994 and 1995 is primarily due to a 200 ton/day anticipated industrial disposal reduction to begin in April 1995. Additional reduction is expected through other industries and residential recycling and yard waste composting. Using a base year of 1989, the target per capita waste reduction will not be met due to the expansion of industry waste generation in Loudon County. However, due to major waste reduction efforts in 1995, the anticipated 1995 landfill disposal quantity is projected to be 86 percent less than the quantity disposed of in 1993. Waste reduction efforts will be explained in Chapter IV.

CHAPTER IV: FORMS

Table IV-1

Population and Quantities of Waste Disposed of at Municipal Solid  
Waste Disposal Facilities and Incineration, in 1989

Loudon County	1989 Population	1989 Total Waste Disposed (tons)
Regional Total	31,500	67,910

Source: Loudon County Solid Waste Needs Assessment, 1992.

**Table IV-2**  
**Estimated Quantities of Waste Removed or Diverted**  
**From the Waste Stream (tons)**

Year	Column A Projected Tons	Column B Recovered & Recycled	Column C Diverted to Alternative Disposal	Column D Total Tons Disposed
1985 to 1989	unknown			
1990	73511	0	0	73511
1991	108458	1660	0	106798
1992	98556	1826	0	96730
1993	127732	2000	0	125732
1994	132859	2208	7801	122850
1995	132062	2429	69861	59772
1996	133280	2672	77099	53509
1997	134510	2939	77568	54003
1998	135753	3233	78018	54502
1999	137008	3556	78447	55005
2000	138259	3912	78839	55508
2001	139223	4303	79025	55895
2002	140198	4733	79180	56285
2003	141204	5207	79318	56679
Total	1772613	40678	705156	1026779

Source: Column A - Table III-3

Column B&C - Discussions between LCSWDC, Santek, and KAB at  
public meetings 1994-1995

Column D -  $A - (B + C) = D$

Column B consists of Keep America Beautiful events, Household Hazardous Waste events, efforts at the existing and proposed recycling/convenience centers and commercial and industrial recycling programs.

Column C consists of diverting and recycling tires and industry source reduction and diversion.

Table IV-2  
Estimated Quantities of Waste Removed or Diverted From the Waste Stream  
(tons)

Year	Previous Reductions	Recovered & Recycled	Diverted to Alternative Disposal	Other	Total
1985 to 1989	unknown				
1990	1,486				1,486
1991	1,486	1,660			3,146
1992	3,146	1,826	10,068		15,040
1993	15,040	2,000	10,000		18,040
1994	18,040	2,208	13,600		33,848
1995	33,848	2,429	41,000	5,000	91,277
1996	91,277	2,672	55,000	5,000	153,949
1997	153,949	2,939	55,000	5,000	216,888
1998	216,888	3,233	55,000	5,000	280,121
1999	280,121	3,556	55,000	5,000	343,677
2000	343,677	3,912	55,000	5,000	407,589
2001	407,589	4,303	55,000	5,000	471,892
2002	471,892	4,733	55,000	5,000	536,625
2003	536,625	5,207	55,000	5,000	601,827
Total		40,686	514,668	45,000	

Source: Discussions between LCSWDC, Santek, and the Loudon County Beautification Board at public meetings 1994-1995.

*Statutory Requirements:*

*"...[E]ach plan submitted by a municipal solid waste region shall include...collection capability, including data detailing the different types of collection systems and the population and areas which receive and do not receive such services..." [T.C.A. 68-31-815(b)(2)(B); and "...as part of the local plan required by Section 13 of the Act, each county or multi-county municipal solid waste disposal region shall submit a plan for the adequate provision of collection services to the State Planning Office. Such plan shall identify unmet needs and shall be updated annually." [T.C.A. 68-31-851(b)]*

Introduction: In this section, the existing regional collection system (as described in Chapter II) will be compared to the standards established by the state convenience center rule for number, location and design of collection facilities (convenience centers) [T.C.A. 68-31-851(b)]. Total regional needs to provide adequate service to all residents and to meet this standard will be

identified. The plan for how the region will meet identified needs within 10 years will be described.

Existing System: There are approximately 12,645 households in Loudon County. Currently, the City of Loudon and Lenoir City collect refuse from 4,585 households. Thus, 8,060 (12,645-4,585) households are not served by public curbside collection services. The Tennessee Law requires Counties to ensure that 90 percent of their households have adequate collection service through one of the following scenarios: (1) one convenience center per 5000 households unserved by public curbside collection, (2) the county could contract with private haulers to ensure that 90 percent of the households are served, or (3) if the county and the private sector are currently serving 90 percent of the households, then the county would not need formal agreements with the private haulers if the county passed a resolution saying that they would agree to provide services if the private haulers discontinued service.

Given the law, the LCSWDC has the following options to meet the minimum requirements of the law:

1. Add one additional convenience center.
2. Contract with all the private haulers in the county to ensure a 90 percent service rate.
3. Since the county already has one convenience center, only 3,060 households are unserved by the public sector. If it can be shown that the private sector is serving 1,795 households, then 90 percent of the residents would be served. According to the 1993 Loudon County Solid Waste Needs Assessment, 1306 households were known to be served by private collection service. The LCSWDC intends to implement a policy at the landfill by December 1994 to identify generators or residential and commercial MSW. In this manner, the LCSWDC will

be able to document the fact that 90 percent of Loudon County residents have access to public or private collection service.

Loudon County may choose to expand its convenience centers from one site located in the City of Loudon to two sites, with one additional site to be determined based on the needs of the county. Approximately 500 households would be expected to use the additional convenience center, generating an average of 11 tons of solid waste per day, however this center is not expected to add a significant number of residents not currently served by public or private collection.

If Loudon County builds a new center in accordance with the Tennessee Convenience Center Rules 1200-1-7-.10(3)(b). The system will utilize thirty three 6 cubic-yard green boxes and an existing front loader. In addition to the collection of refuse, the center will also offer recycling collection. The County expects to contract for the hauling of refuse to the landfill. Capital and operating expenses for the entire system are as estimated follows:



PROPOSED EXPANSION OF LOUDON COUNTY CONVENIENCE CENTERS

CAPITAL COSTS FOR ONE CENTER

Construction:

Excavation	\$10,000 (3/4 acre)
Culvert	\$3,000
Rock (\$6/ton 10" base)	\$11,800 (2000 tons)
Fence (\$5.50/lin.ft.)	\$6,100 (1,100 ft.)
Gate	\$500
Shelter	\$2,500
Electrical	\$500
Signage and landscaping	\$1,500

Equipment\*

33 Greenboxes for refuse	<u>\$16,500</u>
<u>Total for one center</u>	\$52,400

\* No additional truck is assumed to be needed. If necessary, the cost would be approximately \$100,000. Recycling station equipment will be leased from hauler.

ANNUAL OPERATIONS COSTS FOR ONE CENTER

Debt Service for Capital expenditures (5-year life @ 5%)	\$12,000
Salaries and Benefits (1 FTE)	\$18,000
Materials	<u>\$2,000</u>
Total Convenience center	\$32,000
Other costs	
Transportation (12 miles)	\$6,000
Disposal (5 tpd @32/ton)	<u>\$41,600</u>
TOTAL FOR ONE CENTER	\$79,600
TOTAL ANNUAL TONNAGE	3000 TONS
TOTAL COST PER TON	\$26.63

*Statutory Requirements:*

*"...[E]ach plan submitted by a municipal solid waste region shall include...a recycling plan, including a description of current public and private recycling efforts and planned efforts to enhance recycling within the county or region."*  
*[T.C.A. 68-31-815(b)(7)]*

*and "Effective January 1, 1996, each county shall provide...one (1) or more sites for collection of recyclable materials..." [T.C.A. 68-31-863(a)]*

*"Each person or entity operating a collection site for recyclable materials shall annually report the quantities of recyclable materials collected, by type of material, to the region which shall then report...[this information]...to the State Planning Office." [T.C.A. 68-31-863(b)]*

A.       Regional Needs: The regional needs for recycling programs, facilities, and services, based on the analyses in Chapter II, and the preliminary regional goals set forth in Chapter III.C are as follows:

Currently, the county provides one recycling drop-off center for residential recycling. Aluminum beverage cans and newspaper are recovered. Drop-off recycling stations are also provided to residents by Tellico village. Additionally, aluminum cans are recovered in the public school system. Tennessee Waste Movers provides curbside collection service for refuse and recyclables in the northern part of the county. Several local businesses are recovering a significant amount of old corrugated cardboard, including Don P. Smith Chair Company, Ft. Sanders Medical Center, Monterrey Mushrooms, and Viskase. Monterrey Mushroom Co. also composts and sells its organic waste. Greenback Industries recovers waste oil and wood pallets. Ferrous and non-ferrous scrap is recovered by Greenback Industries, Viskase, Yale Security.

B. Specific actions that Loudon County will take to expand and enhance recovery, reuse and recycling in the region are described below:

The waste reduction regional goals and objectives are to move toward the target waste reduction goal by 1995 by working with commercial and industrial generators to reduce the volume of waste required for disposal, composting yard waste at the Matlock Bend Landfill, and providing convenient drop-off recycling and household hazardous waste collection for residential generators.

Loudon County intends to expand the recycling collection by enlarging the County recycling center, and by including additional materials. If the County decides to implement one additional convenient center. This center will include a recycling station. The county is currently recovering only newsprint and aluminum cans. The Loudon County Solid Waste Disposal Commission (LCSWDC) and the Loudon County Keep America Beautiful Agency are developing a plan to expand the materials collected at the drop-off recycling centers to include cardboard and possibly mixed paper.

The LCSWDC has been working with the Loudon County Chamber of Commerce and the Regional Waste Management Department of the Tennessee Valley Authority to develop waste reduction plans with the major commercial/industrial generators in Loudon County. The Loudon County Disposal Commission is discussing with Santek Environmental Services a program to divert yard waste from the Class I landfill.

The rationale for the selection of the above mentioned waste reduction programs was to develop a cost-effective plan to achieve the greatest potential for waste diversion. The estimated amount of diversion that will be achieved from the above programs is as follows:

Kimberly Clark	200 TPD reduction of paper sludge
Metal Resources	100 TPD reduction of metal slag
Other Commercial	7 TPD reduction of corrugated cardboard, pallets, and waste oil
Residential	2 TPD reduction of old newspaper, corrugated cardboard, and aluminum
Yard Waste	33 TPD reduction of yard waste

Loudon County is a member of the Regional Marketing Cooperative of East Tennessee (RMCET). RMCET interacts with the Tennessee Office of Cooperative Marketing. Through these resources, Loudon County expects to pursue additional markets for recycled materials in the future. Loudon County will also work with regional industries such as Kimberly Clark and Bowater to expand the markets for mixed paper.

Loudon County is considering alternatives for developing a local government purchasing and procurement policy for recycled products. A plan for purchasing recycled paper and other products is targeted to be put into place by July 1996. The County intends to work with the Tennessee Office of Cooperative Marketing to develop sources for purchasing recycled materials.

The Loudon County Solid Waste Disposal Commission is working with the local Keep America Beautiful Chapter and the Citizens Solid Waste Advisory Committee to educate children and adults about source reduction and recycling, and to encourage broad participation. Details of the education program are described in Chapter IX.

#### Budget for Expanding the Loudon County Recycling Stations

If recycling stations are included in the expansion plan for convenience centers then the marginal costs for adding recycling to convenience center refuse collection is minimal. Existing labor can be used to monitor the recycling stations. The capital costs per center for adding recycling bins is estimated at less than \$2000. If old newsprint, old corrugated cardboard, and aluminum cans are collected, the net costs per ton (revenue-hauling costs-processing costs) are estimated at an additional \$20/ton. Waste oil collection at the landfill could be a break even service if a local recycler will supply and service a 300 gallon drum. The cost of adding mixed paper collection when markets are secured is estimated at \$30/ton.

Loudon County will be responsible for coordinating efforts with private sector and non-profit sector programs and collecting the required data on recycling and recovered materials and for submitting annual reports to the state. [T.C.A. 68-31-863(b) and 68-31-871(a), (b)].

The location of existing and planned recycling programs, services, and facilities that will constitute the regional infrastructure, on the composite system map to be prepared in Chapter XI.

COMPOSTING, SOLID WASTE PROCESSING,  
WASTE-TO-ENERGY AND INCINERATION CAPACITY*Statutory Requirements:*

Neither composting facilities, solid waste processing facilities, or incineration facilities are included in the statutory list of planning requirements. However, because these facilities are viable options which may be considered in designing an integrated, regional waste management system, the Director of the State Planning Office has determined that this information is relevant, and should be included in the regional plan.

*"...[Each plan submitted by a municipal solid waste region shall include...any other information as the Director of the State Planning Office may deem relevant..." [T.C.A. 68-31-815(b)(15)]*

A. Due to adequate landfill disposal capacity and waste reduction programs, Loudon County does not anticipate the need for a waste-to-energy during the 10-year planning horizon. The LCSWDC does expect to implement a yard waste diversion operation, a tire recycling operation, and a used oil collection station by December 1995.

B. The steps that Loudon County will take to meet these needs are as follows:

1. Yard Waste Diversion

The LCSWDC is discussing with Santek Environmental Services, Inc. options to divert yard waste from the Class I landfill at Matlock Bend. Santek estimates the volume of yard waste currently received at the landfill at 10,000 tons per year.

2. Material Processing

Currently, Loudon County operates a transfer station on Rock Quarry Road. The throughput rate in 1993 was 10 tons per day. The transfer station is used strictly for unsegregated refuse compaction. The transfer station will continue to operate for the next ten years.

Tennessee Waste Movers operates a recycling processing facility that accepts unsegregated solid waste and manually sorts recyclables. The residual, an estimated 50 percent is disposed of at the Matlock Bend Landfill. This operation is a private concern and not sponsored by Loudon County.

2. Tire Recycling and Waste Oil Recovery will be covered in Chapter X.

*Statutory Requirements:*

*"Each plan submitted by a municipal solid waste region shall include [a] planned capacity assurance, including descriptions of planned or needed facilities."*

*[T.C.A. 68-31-815(b)(6)]*

In this chapter, the Loudon County region will describe how it will ultimately dispose of that portion of the solid waste stream which cannot be reduced, recycled, reused, composted, incinerated, or otherwise processed.

A. Disposal Capacity

Loudon County has four phases permitted at the Matlock Bend Landfill, owned by the Loudon County Solid Waste Disposal Commission and operated by Santek Environmental Services, Inc. The permitted, planned and existing capacity at the landfill as of January 1, 1994 was 1,438,326 cubic yards. The capacity per phase of planned expansion can be segregated as follows:

Phase 1 278,178 CY

Phase 2 629,796 CY

Phase 3 73,127 CY

Phase 4 457,225 CY

Source: MCI plan 1984.



To provide Loudon County with ten years of disposal capacity assurance, the LCSWDC has contracted with Santeek to modify the existing MCI plan and to combine Phases II and IV of the Matlock Bend Landfill. This will result in a total of 1,575,000 cubic yards of capacity, which will provide Loudon County with approximately 15 years of landfill life beginning January 1, 1995.

#### B. Excess Capacity

While the projections in Tables VIII-1 and 2 show a surplus in capacity over the next ten years, the excess is minimal, so the Loudon County region will monitor capacity closely through the planning period to determine whether an additional phase at the landfill should be permitted and constructed during the ten-year planning period.

#### C. Capacity Shortfalls

No capacity shortfalls are projected during the planning period.

#### D. Implementation

Phase 1 will be closed and Phase 2 will begin in September 1994.

Phase 3 will be implemented in September 1997.

Phase 4 will be implemented in September 1998.

#### E. Region

The Loudon County region is a single county region.

#### F. Location

The location of the Matlock Bend Landfill is on State Highway 72, 1.3 miles northwest of the I-75 interchange in Loudon.

#### G. Imported Waste

There are currently no agreements to import waste from another region.

Calculation of Regional Disposal Needs

To define regional needs, the projected regional demands for solid waste facilities will be compared with the projected regional supply—available and planned capacity to provide this disposal.

The Loudon County region has not agreed to accept solid waste from another region as a part of its plan, so no estimated quantity of waste to be imported was added to the regional total demand.

The Loudon County region also has no plans to export solid waste to another region, so the estimated quantity to be exported was not subtracted from the regional demand.

The projected supply is based on data displayed in Chapter II., and Tables II-8 through II-11, and the contract between the LCSWDC and Santek for development and operation of the Matlock Bend Landfill (Appendix G). The projected demand is based on the analysis in Chapter III and conversations between the LCSWDC and Santek.

A conversion factor of 800 pounds per cubic yard for MSW and 1,500 pounds per cubic yard for Kimberly Clark sludge is used for planning purposes.

1.       **Projected Demand and Supply, and Identification of Potential Shortfalls or Surplus in Disposal Capacity**

Table VIII-1(a)  
Cubic Yards per Year

County: Loudon

Year	Demand: Cubic Yards of Waste Requiring Disposal	Supply: Cubic Yards of existing and planned capacity	Surplus
1995	145,526 <sup>1</sup>	1,575,000	1,429,474
1996	116,025	1,429,474	1,193,707
1997	118,353	1,193,707	1,074,184
1998	119,523	1,074,184	953,478
1999	120,706	953,478	813,577
2000	121,901	813,577	708,469
2001	123,108	708,469	583,668
2002	124,801	583,668	458,117
2003	125,551	458,117	331,311
2004	126,806	331,311	204,505

---

<sup>1</sup>Reduction from 1995 to 1996 due to Kimberly Clark diversion to on-site waste-to-energy facility.

Table VIII-1(b)  
Tons Per Year

County: Loudon

Year	DEMAND: Tons of Waste Requiring Disposal	SUPPLY: Tons of Existing and & Planned Capacity	Surplus (+)
1995	68,591	630,000	561,409
1996	46,410	561,409	514,999
1997	46,655	514,999	467,786
1998	47,213	467,786	420,573
1999	47,779	420,573	372,221
2000	48,352	372,221	323,288
2001	48,933	323,288	273,768
2002	49,520	273,768	223,654
2003	50,114	223,654	172,939
2004	50,715	172,939	122,224

Source: Santek Environmental services, July 1994.

2. Regional Disposal Capacity: Projected Surplus for 10-Year Plan

Table VIII-2  
Projected Net Disposal Capacity\* (Tons)  
County/Regional

Year	Remaining Capacity
1995	561,409
1996	514,999
1997	467,786
1998	420,573
1999	372,221
2000	323,288
2001	273,768
2002	223,654
2003	172,939
2004	122,224

\*Loudon County is a single county region (all estimates represent surpluses in capacity).

Source: Santek Environmental Services, July 1994.

*Statutory Requirements:*

*"...[E]ach plan submitted by a municipal solid waste region shall include...a description of education initiatives aimed at business, industry, schools, citizens, and others, which address recycling, waste reduction, collection, and other goals..."[T.C.A. Section 68-31-815(b)(11)]*

*"...Each solid waste regional plan shall include an education program to assist adults and children to understand solid waste issues, management options and costs, and the value of waste reduction and recycling." [T.C.A. Section 68-31-842]*

A. Regional Needs for Public Education/Information

There are 24,189 adults and 5991 school-age children in Loudon County in need of education and information about solid waste reduction and disposal.

B. Regional Goals and Objectives

There is no single source for adult and student education about solid waste issues. Neither the county or the LCSWDC employs a recycling coordinator or an education/information staff person. The county relies on the local chapter of Keep America Beautiful (the Loudon County Beautification Board) to develop recycling education and collection program. The county provides financial support for the recycling collection programs. The local newspapers,

particularly the News-Herald and the Loudon County Independent provide excellent coverage of all LCSWDC meetings as well as any events that impact solid waste decision making in the region. Four local radio stations also report on solid waste issues.

The Loudon County Beautification Board provides Waste in Place curriculum to Loudon County and Lenoir City schools. They also provide in-service training for public school teachers. The Loudon County Solid Waste Disposal Commission holds public workshops for adults and conducts county-wide surveys to obtain citizen input on solid waste policy decisions (see Appendix C for public opinion survey conducted in the winter of 1993.).

The LCSWDC will continue to encourage public education and information about solid waste issues by inviting the public to all meetings, working with the Beautification Board on educating school children, and conducting public opinion surveys.



*Statutory Requirements:*

*"...[E]ach plan submitted by a municipal solid waste region shall include...a plan for the disposal of household hazardous wastes; [t.c.a. 68-31-815(b)(8)]*

*"...Each county...shall provide a service site and shall advertise...the day(s) and hours and location where the household hazardous wastes will be collected...[and]...furnish at least one(1) person...who will assist...[at the] collection unit." T.C.A. 68-31-829].*

*"...Effective January 1, 1995, no municipal solid waste disposal facility or incinerator shall accept for disposal any whole waste tires, lead acid batteries, or used oil..." [T.C.A. 68-31-866(a)]*

*"...By January 1, 1995, each county shall provide at least one (1) site to receive and store waste tires, used automotive oils and fluids, and lead-acid batteries...[and]...shall sell and/or cause the transfer of the recyclable materials...to a commercial recycler or a regional receiving facility..." [T.C.A. 68-31-866(b)]*

*"...(E)ach plan submitted by a municipal solid waste region shall include...any other information as the Director of the State Planning Office may deem relevant to the implementation of the Act." [T.C.A. 68-31-815(b)(15)]*

The Solid Waste Management Act directly addresses four problem wastes. Each county or region, in its plan, must describe how the regional programs will interface with the state household hazardous waste collection service. The Act also bans disposal of scrap tires, batteries and waste oil in landfills after January 1, 1995, and requires each county to develop an infrastructure for accepting, storing, recycling or safe disposal of these materials by the end of 1994. The Loudon County regional plan addresses these requirements.

No data on current handling of waste tires, used oil or lead acid batteries was collected in the District Needs Assessment. The act bans these materials from landfills or incinerators by the end of 1994, and requires each county to provide a site to receive and store them for ultimate recycling and disposal. The Loudon County regional plan will describe how the region will collect necessary data to locate, design and open these collection sites by the statutory deadline. Specific information to be included for each problem waste is listed below. A more detailed plan will be required when the regional plan is updated in 5 years.

**A. HOUSEHOLD HAZARDOUS WASTE (HHW)**

Loudon County will co-sponsor with the state of Tennessee a household hazardous waste collection day on June 3, 1995 at the Matlock Bend

Landfill in Loudon County. The landfill is centrally located, easily accessible and suitably surfaced. The education will begin in the winter of 1994 through educating adults and students. In addition to safe management, the public will be taught about safe substitutes for household hazardous waste. Loudon County will provide local volunteers to assist in the collection by providing traffic control and local emergency response. The costs to Loudon County for education and promotional services will be in the form of in-kind services. The County will also provide volunteers for traffic control and emergency contingencies.

**B. WASTE TIRES**

Waste tires generated in Loudon County are and will continue to be collected at the Matlock Bend landfill. The permitted storage area is a transfer trailer located at the landfill. Currently, approximately 350 tons of tires are received at the landfill each year. The tires are stored until the transfer trailer is full. Once full, the trailer is hauled to Atlanta where the tires are used to produce energy. Santek Environmental Services is responsible for market development or disposal of the tires.

**C. WASTE OIL**

A portion of the waste oil generated in Loudon County is currently being handled by the private sector. However, to increase the proper disposal of waste oil, a station with a 300 gallon tank to receive waste automotive products will be built at the landfill by January 1, 1995. Santek will contract with a private oil company to transport and recycle the used automotive fluids. Santek will monitor the station to ensure the safety of the public and the environment.

D. LEAD ACID BATTERIES

Lead acid batteries are being collected by the private sector. Residents can also drop-off lead acid batteries at the convenience center or at the Matlock Bend landfill. The station for waste oil that will be constructed at the landfill will also have a storage area for lead acid batteries.

E. LITTER

Loudon County has a litter prevention program that is funded by a state litter grant of approximately \$20,000 annually. The grant manager is Ann Hammontree of the Loudon County Beautification Board. The program utilizes prisoners to collect litter along the roadside. Complaints about unauthorized dump sites are also investigated by local law enforcement agencies.

**IMPLEMENTATION: SCHEDULE, STAFFING AND FUNDING**

In this chapter, the preliminary decisions about the components and structure of an integrated solid waste management system appropriate to the region should be revisited.

If the detailed analyses of the selected system components and their alternatives (Chapters IV-X) altered the region's preliminary choices, the system configuration as described in Chapter III may be revised. In particular, the proportion of the total solid waste stream to be handled by each component of the system may be adjusted to reflect higher probability.

However, if further analysis has not changed the proposed components and structure of the regional plan, the final system design should be confirmed, and an implementation schedule, staffing plan, and probable costs established.

**A. SYSTEM DEFINITION****1. Narrative**

The components of the Loudon County Solid Waste Management Plan are source reduction through special waste management and education, recycling, yard waste composting, and landfill disposal. The projected solid waste generation to be collected and managed as a percent of the total projected amount handled by each system component is estimated below: (These estimates are based upon Chapters III-X).

Projected waste management in 1995 is projected as follows:

<u>Component</u>	<u>Tons per Year</u>	<u>Percent of Total</u>
Industrial waste processing	53,000	51%
Residential waste reduction	550	1%
Yard waste composting	9,000	7%
Landfill	<u>64,000</u>	<u>41%</u>
Total	125,000	100%

#### B. IMPLEMENTATION SCHEDULE

1. Based on the implementation schedules and milestones developed for each plan element described in Chapter V through X, and parts C. and D. of this chapter, the following composite implementation schedule is submitted with milestones for the 10-year period, 1994 through 2003.

- |      |  |
|------|--|
| 1994 | <ul style="list-style-type: none"> <li>1. Contract approval and implementation of Phase 2 of Matlock Bend landfill.</li> <li>2. Approval by LCSWDC and Loudon County Commission of the 10-Year Solid Waste Management Plan.</li> <li>3. Submission of the Plan to the State Planning Office, and the Office of Solid Waste Assistance.</li> <li>4. Expansion of County Recycling Center.</li> <li>5. Development of tire recycling program.</li> </ul> |
| 1995 | <ul style="list-style-type: none"> <li>1. Implementation of a recycling and household hazardous waste education and collection program.</li> <li>2. Development of yard waste composting, tire shredding, waste oil collection, and lead acid battery programs at the landfill.</li> </ul>   |
| 1998 | <ul style="list-style-type: none"> <li>1. Implementation of Phase 3 of Matlock Bend Landfill.</li> </ul>   |

## ALLOCATION OF IMPLEMENTATION RESPONSIBILITIES:

## PLAN ADOPTION AND SUBMISSION

Loudon County is a one-county region. The full responsibility for implementation resides with the LCSWDC and the County Commission. The regional plan has been formally adopted by resolution of the regional administrative board (the Loudon County Solid Waste Disposal Commission) and signed by its Chair. The plan has also been adopted by the Loudon County Commission, to acknowledge the county's commitment to support the plan and to assure that the municipal solid waste region has complied with T.C.A. 13-3-105 and/or 13-4-104. A copy of the minutes of the county commission meeting indicating that this draft municipal solid waste plan has been submitted to the county commission for review, comment, and adoption before it was submitted to the State Planning Office is included in Appendix E.

## FLOW CONTROL AND PERMIT APPLICATION REVIEW

A. The Solid Waste Management Act of 1991 authorized regions with approved plans to exercise certain flow control powers in accordance with the plan. The Act permits regions to exercise two (2) types of flow control: (1) the out-of-region waste ban [T.C.A. Section 68-31-814(b)(1)(B)]; and (2) intra-region flow control [T.C.A. Section 68-31-814(b)(1)(A)]. Authorities formed under this Act are also permitted to exercise broad flow control powers (T.C.A. Section 68-31-907]. The regional plan should specifically describe any flow control measures which it may include in its plan, and set forth a schedule for adoption.

The two types of flow control measures address two separate sets of policy concerns. Out-of-region bans are permitted in order to permit a region to carefully shepherd the capacity of its solid waste management facilities. An out-of-region ban must apply equally to all waste generated outside of the region's boundaries or the ban may be invalid under the Interstate Commerce Clause of the U.S. Constitution. The Act does exclude certain existing waste source arrangements from the exercise of flow control under a "grandfather" clause and an impairment of contract clause [T.C.A. Section 68-31-814(b)(1)(B)] and T.C.A. Section 68-31-814(b)(4)]

B. The Act also requires a municipal solid waste planning region with an approved plan, or a solid waste authority formed by the region, to review plans for



new solid waste disposal facility or incinerator to determine whether the proposed facility is consistent with the regional plan [T.C.A. Section 68-31-814(b)(1)(D); T.C.A. Section 68-31-814(b)(2); and T.C.A. Section 68-31-814(b)(3)].

The three Intergovernmental bodies have the authority to review applications for any proposed facilities, and approve/disapprove the applications. The procedure includes provisions for public comments, resolution/ordinances that must be adopted, and documentation of the actions taken. The Loudon County Commission has asked the LCSWDC to form a committee to investigate the possibility of creating a local approval process for any new applications for industrial or commercial waste streams that require state approval.

**PLEASE NOTE:**

The recent Supreme Court decision of Fort Gratiot Sanitary Landfill, Inc., v. Michigan Department of Natural Resources and proposed legislation which is pending in Congress may require issuance of new, revised or supplemental guidelines for this chapter.



## PART III

## APPENDICES

Legal Documentation and Organization of the Region

- I. To assure that the municipal solid waste region was established and is operating in accordance with T.C.A. Section 68-31-813, please provide copies of the following documents:
  1. Certified copy of the resolution adopted by each county commission, establishing the region [T.C.A. Section 68-31-813(a)].
  2. Description of the administrative board for the region, including:
    - a. list of members, including the jurisdiction each represents, and term of office;
    - b. copy of the appointment letter for each member, and a record of their confirmation (resolution or minutes) by the appropriate legislative body(ies). [T.C.A. Section 68-31-813]; and
    - c. a list of the current officers of the board (1993).
  3. If the responsibilities of the planning region are to be performed by an existing Solid Waste Authority, provide:
    - a. a copy of all resolutions designating the authority as the regional administrative board [T.C.A. Sections 68-31-813(a)(2) and 68-31-815(b)(12)]
    - b. a copy of the statutes and/or resolutions creating the authority;
    - c. a list of the members of the Authority's Board of Directors, including the jurisdiction each represents, and term of office.
  4. Description of the structure and role of Regional Municipal Advisory Committee [T.C.A. Section 68-31-813(e)], including:
    - a. a list of members, the interest each represents, and term of office;
    - b. mission statement;
    - c. summary of activities during plan development; and
    - d. probable role in implementation.
- II. To assure that the municipal solid waste region is complying with other provisions of the Solid Waste Management Act of 1991, please submit letter(s), signed by the appropriate County Executive and Mayors in the region, certifying that each jurisdiction has complied with the financial accounting requirements of T.C.A. 68-31-874(a), as amended. For municipalities, the letter of certification should indicate the name of the special revenue fund established by that city.

LAW OFFICER  
**SPROUL & HINTON**  
909 E. BROADWAY  
LENOIR CITY, TENNESSEE 37771

HARVEY L. SPROUL  
ROBERT G. HINTON

TELEPHONE 680-8054  
AREA CODE 615  
FAX 615 985-8709

April 8, 1993

TO: George Miller  
FROM: Harvey L. Sproul

George, recall it is my suggestion that you make this presentation at the next County Commission meeting, and suggest that the agreement be recorded in the County Commission minute book. Then the original can be filed by Riley in that place where he keeps the important County documents.

HLS

LAW OFFICES  
SPROUL & HINTON  
800 E. BROADWAY  
LENOIR CITY, TENNESSEE 37771

HARVEY L. SPROUL  
ROBERT G. HINTON

TELEPHONE 886-8054  
AREA CODE 615  
FAX 886-8708

April 8, 1993

Honorable Harold Proaps  
City Recorder  
600 East Broadway  
Lenoir City, TN 37771

Re: Restated Intergovernmental Agreement--Loudon  
County Solid Waste Disposal Commission

Dear Frosty:

The Intergovernmental Agreement now has been executed by all three governmental entities, and I am enclosing herewith the executed copy for the City of Lenoir City's records.

Very truly yours,



Harvey L. Sproul  
County Attorney

ssm  
Enclosure  
cc: Barry Baker  
George Miller

*Belt*

AMENDED AND RESTATED  
LOUDON COUNTY SOLID WASTE DISPOSAL AGREEMENT

An Intergovernmental Agreement between the City of  
Lenoir City, the County of Loudon, and the City of Loudon

THIS AGREEMENT, made and entered into effective the 1st  
day of March, 1993, by and between the COUNTY OF LOUDON, THE CITY  
OF LENOIR CITY, and THE CITY OF LOUDON, all political subdivisions  
of the State of Tennessee;

WHEREAS, by an intergovernmental agreement, dated  
September 12, 1983, the parties agreed to the procurement and  
development of a permanent sanitary landfill site for Loudon  
County; and

WHEREAS, under the agreement Loudon County assumed the  
responsibility for the procurement of the site, issued capital  
outlay notes in the sum of Two Hundred Fifty Thousand Dollars  
(\$250,000.00), and by eminent domain, obtained the Hirsch-Powell  
property on Old State Highway 72 near the Matlock Bend area for  
the approximate amount of One Hundred Fifty-Three Thousand Dollars  
(\$153,000.00); and

WHEREAS, during that time, the City of Loudon continued  
to operate the jointly leased Poplar Springs landfill site  
previously operated by joint agreement of the parties hereto, and  
was responsible for the maintaining of the jointly owned assets  
and the sanitary landfill funds that were derived from the  
revenues from the operation of the leased landfill; and

WHEREAS, the Matlock Bend sanitary landfill site was  
constructed and prepared, and at the time of the execution of the  
subsequent June 1, 1987, agreement (which this agreement amends),  
the Poplar Springs landfill had been closed and the new site was  
in operation under the continuing daily operational responsibility  
of the City of Loudon, as agreed to by the parties; and

WHEREAS, the Solid Waste Disposal Commission formed under  
this original agreement, has been responsible for the operation  
of the Matlock Bend Sanitary Landfill since that time, and in  
recent years has had an operational agreement with Santok  
Enterprises of Cleveland, Tennessee; and

WHEREAS, it appears that the cost of operating sanitary landfills, or other solid waste disposal methods, because of more stringent regulations, is going to increase in the future, and a joint operation is essential; and

WHEREAS, it now further has been agreed that the Loudon County Solid Waste Disposal Commission, is to be organized as a continuation of the previous Commission, but to comply with the new regulations and laws involving the Solid Waste Management Act of 1991 (T.C.A. 68-211-801 et seq.), wherein Loudon County has been approved as a Solid Waste Planning Region, for which the Loudon County Solid Waste Disposal Commission shall become the Board for the newly created Loudon County Solid Waste Region; and

WHEREAS, the Loudon County Solid Waste Disposal Commission has been responsible for the overall supervision of the landfill, the development of policy, and for all decisions about solid waste management disposal in Loudon County, and these responsibilities, along with the new authority and responsibility that devolves upon the Commission by virtue of the Solid Waste Management Act of 1991, shall continue except as otherwise properly limited by this Agreement; and

WHEREAS, basically the original Intergovernmental Agreement shall continue, but with some changes being desirable and necessary, it is agreed the new operational agreement is stated as follows:

W I T N E S S E T H

NOW, THEREFORE, IT IS AGREED between the parties as follows:

1. Required Participation: That all parties hereto shall participate in the use of a joint landfill site, called the Loudon County Sanitary Landfill, on Old Highway 72, for all solid waste collected by the parties, which includes, at the least, all residential sanitary waste, and all commercial and industrial sanitary waste, controlled by the parties except for demolition waste and other waste not acceptable by law. However, where deemed appropriate, exemptions or exceptions may be made by the



Commission to the requirement that the landfill must be used by the parties to the Intergovernmental Agreement.

2. Establishment of Commission: There shall be seven (7) members of the Commission. Five (5) shall be appointed by the County Executive and approved by the County Commission, and one (1) member each shall be appointed by the Mayors of the Cities of Lenoir City and Loudon, and approved by the respective City Councils. Members of the Commission shall serve six (6) year terms. The three original slots (appointed by the two Mayors and the County Executive) shall each be for initial six (6) year terms (Panel A); two of the members appointed by the County Executive shall serve an initial four (4) year term (Panel B); and two of the members appointed by the County Executive shall serve an initial two (2) year term (Panel C), all terms to be effective March 1, 1993.

3. Assets of the Commission: All monetary and other capital assets resulting from the previous existing agreement and operation of the Poplar Springs landfill, and all assets accrued in the intervening time, shall continue under jurisdiction of the new Commission.

4. Purpose and Authority of the Commission: The Commission shall have the purpose, authority and responsibility for:

A. The overall supervision of the landfill to include the following:

(1). The establishing of policies for the operation and management of the landfill to include major capital expenditures.

(2). The raising or lowering of tip fees or other charges that might be assessed for the use of the landfill.

(3). The daily operation and management of the landfill will be done by the City of Loudon for a period of one (1) year from the date the new landfill is opened, at which time the arrangement will be reviewed and a decision made by the Solid Waste Disposal Commission as to the continuation of the operational agreement, or as to some other alternative management.

The current operation and management agreement shall remain in effect until such time as a new agreement is reached by the Solid Waste Disposal Commission as to a change.

(4). It is specifically agreed that the unbudgeted purchase of capital items, the expenditures of any major sums of money, and the obligation of the Commission to any contracts for more than one (1) year are policy decisions to be made by the Disposal Commission.

(5). The decision as to what organizations, businesses, and parties may utilize the landfill and any other disposal facilities operated by the Commission shall be under the jurisdiction and discretion of the Commission.

B. The periodic review, and study if necessary, of the solid waste disposal problems and needs of the County, and to make recommendations to the respective governing bodies of the parties to this agreement.

C. Assumes all authority and powers, and the responsibilities, which devolve upon a municipal solid waste region board (T.C.A. 68-211-801 et seq.) by virtue of State law and regulations.

5. Organizational Rules of the Commission: The Commission shall be authorized to adopt its own rules of organization and procedure except as otherwise required herein.

A. The Commission may set its own meeting days, times, and dates, although it is required to meet at least quarterly.

B. A quorum is the personal presence of at least four (4) members, and at least four (4) affirmative votes are required before any action can be adopted.

C. Special meetings may be called by the Chairman or by any two (2) of the parties by giving reasonable notice of the time and place of such meeting to all members.

D. Notice to the public of all meetings shall be given by a written notice delivered to the News-Herald.

E. Minutes shall be kept of all meetings of the Commission.

6. Monthly Reports: The operator of the landfill shall prepare and provide monthly reports to the other parties.

7. Annual Budget: The operator shall prepare a proposed annual budget for presentation to and approval of the Solid Waste Disposal Commission. The budget for the preceding year shall be a continuing document into the subsequent fiscal year until a new budget is adopted.

8. Audits and Records: There shall be an annual audit of the funds of the Commission.

9. Duration of Agreement: The duration of this agreement is indefinite or until otherwise agreed as to termination. Termination requires a unanimous vote. Any one party may withdraw at any time, but shall do so by forfeiting any rights as to the allocation of any assets that might remain.

10. Disposition of Assets: The disposition of assets shall be by agreement of the parties at the time of termination of this agreement, subject to ratification of the respective governing bodies.

11. This Agreement contains amendments from the original Intergovernmental Agreement, and the signatures below indicate approval by the parties to the agreement that this is the restated agreement that shall govern the activities of the parties in waste disposal matters in Loudon County.

IN WITNESS WHEREOF, the duly elected officers of the parties hereto, pursuant to approval from the respective governing bodies, have hereunto set their signatures of each political subdivision, the said agreement to be effective the day and date first above written.

CITY OF LENOIR CITY

COUNTY OF LOUDON

BY: Donald L. Lane

BY: Greg M. Miller

ATTEST:

ATTEST:

Harold E. Kean  
City Recorder

Timothy J. Miller  
County Clerk

CITY OF LOUDON

ATTEST:

BY: Bernice R. Swinley

BY: John J. Miller

March 8, 1993

The City Council of Lenoir City held a public hearing to amend the Lenoir City Zoning Map to rezone property at 1312 Simpson Road at 7:20 PM. The council then met in its regular meeting at City Hall on March 8, 1993 at 7:30 PM. Mayor Lane and the following aldermen were present: Cheatham, Conner, Hamby, Johnson, Luttrell, and McNabb voting AYE.

A motion was made by Hamby and seconded by McNabb to approve the minutes of the previous meeting as written. The following vote was recorded to: wit with Cheatham, Conner, Hamby, Johnson, Luttrell, and McNabb voting AYE.

A motion was made by Conner and seconded by Luttrell to pass an ordinance amending the zoning map of Lenoir City to rezone property on Simpson Road, Map 17, Parcel 183.01 from R-1 Low Density Residential, to R-3 High Density Residential. The following vote was recorded to: wit with Cheatham, Conner, Hamby, Johnson, Luttrell, and McNabb voting AYE. Third Reading. Ordinance Page 843-A.

A motion was made by Johnson and seconded by Hamby to approve the firm of Brown, Jake, & McDaniel, to audit the city accounts for the P/Y 92-93 at a fee of \$11,000.00. The following vote was recorded to: wit with Cheatham, Conner, Hamby, Johnson, Luttrell, and McNabb voting AYE.

A motion was made by McNabb and seconded by Luttrell to pass an ordinance approving an amendment to the Intergovernmental Agreement which formed the Loudon County Solid Waste Disposal Commission. The following vote was recorded to: wit with Cheatham, Conner, Hamby, Johnson, Luttrell, and McNabb voting AYE. Third Reading. Ordinance Page 843-B.

A motion was made by Johnson and seconded by McNabb to appoint Councilman Conner as the representative of the City to the Loudon County Waste Disposal Commission. The following vote was recorded to: wit with Cheatham, Hamby, Johnson, Luttrell, and McNabb voting AYE. Conner, PASS.

A motion was made by Johnson and seconded by Luttrell to discuss the permission to use the Memorial Building for wrestling at the next council work session. The following vote was recorded to: wit with Cheatham, Conner, Hamby, Johnson, Luttrell, and McNabb voting AYE.

A motion was made by Cheatham and seconded by Luttrell to add to the agenda a request by Steve Harrelson to purchase a mower for the Parks and Recreation Department. The following vote was recorded to: wit with Cheatham, Conner, Hamby, Johnson, Luttrell, and McNabb voting AYE.

A motion was made by Luttrell and seconded by Cheatham to approve the bid of L&M Sales for the purchase of a mower for the Parks and Recreation Department at the low bid of \$6,033.00. The following vote was recorded to: wit with Cheatham, Conner, Hamby, Johnson, Luttrell, and McNabb voting AYE.

A motion was made by Cheatham and seconded by Conner to add to the agenda a request from the Street Department to purchase dumpsters for resale. The following vote was recorded to: wit with Cheatham, Conner, Hamby, Johnson, Luttrell, and McNabb voting AYE.

A motion was made by Cheatham and seconded by Hamby to approve the purchase of dumpsters from Lewis Steel Works, Inc. The cost will not exceed \$6,200.00. The following vote was recorded to: wit with Cheatham, Conner, Hamby, Johnson, Luttrell, and McNabb voting AYE.

oler 5,

areas

City,

53, is

rce

ORDINANCE NO. 1993- 2

AMENDING INTERGOVERNMENTAL AGREEMENT CREATING  
THE LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION

WHEREAS, the City of Loudon, City of Lenoir City and the County of Loudon jointly created the Loudon County Solid Waste Disposal Commission effective June 1, 1987, and

WHEREAS, the General Assembly of the State of Tennessee enacted in 1991 the Solid Waste Management Act of 1991 (T.C.A. 68-211-801 et seq) which places certain obligation on the counties in Tennessee for the management of solid waste systems and the planning for meeting anticipated solid waste needs, and

WHEREAS, the County of Loudon desires to implement the mandated changes through the Loudon County Solid Waste Disposal Commission, and

WHEREAS, the City of Loudon and the City of Lenoir City desire to be cooperative partners with the County of Loudon, and

WHEREAS, in order to more effectively implement the changes mandated by the Solid Waste Management Act of 1991, the City of Loudon concurs with the request of the County of Loudon to amend the Intergovernmental Agreement creating the Loudon County Solid Waste Disposal Commission;

NOW, THEREFORE, BE IT ORDAINED by the Loudon City Council as follows:

Section 1. The Intergovernmental Agreement creating the Loudon County Solid Waste Disposal Commission effective June 1, 1987, is hereby amended as follows:

- a. Section 1. (Required Participation) shall be amended to allow the Solid Waste Commission to make additional exemptions or exceptions to the requirement in the agreement that the landfill must be used by the parties to the Intergovernmental Agreement.
- b. The following shall be added at the end of Section 2. "There shall be seven (7) members of the Commission. Five (5) shall be appointed by the County Executive and approved by the County Commission, and one (1) member each shall be appointed by the Mayors of the Cities of Loudon and Lenoir City, and approved by their respective City Councils. Members of the Commission shall serve six (6) year terms. The three original slots (appointed by the two Mayors and the County Executive) shall be for an initial six (6) year term (Panel A); two of the members appointed by the County Executive shall serve an initial four (4) year term (Panel B); and two of the

members appointed by the County Executive shall serve an initial two (2) year term (Panel C)".

- c. Section 4A(2) is amended by deleting the following sentence:

"Any change of the user fee shall be by unanimous agreement of all members of the Commission."

(The reference is to the Solid Waste Commission)

- d. Section 5B is amended by requiring the personal presence of at least four (4) members to constitute a quorum and requiring at least four affirmative votes before any action can be adopted.

- e. Section 8 is amended by deleting the second sentence as follows:

"The operating manager shall be responsible for maintaining the records of the commission."

Section 2. All other provisions of the aforesaid Intergovernmental Agreement dated June 1, 1987 remain in full force and effect.

Section 3. This ordinance shall be effective immediately upon its adoption and adoption of similar legislation by the County of Loudon and the City of Lenoir City.

Eldred Smith  
Recorder

Bernie R. Swiney  
Mayor

First Reading: 1/18/93 & 2/16/93

Second Reading: 2/22/93

Public Hearing: 2/16/93 & 2/22/93

LOUDON COUNTY COMMISSION

RESOLUTION NO. 104

RESOLUTION CREATING LOUDON COUNTY'S MUNICIPAL  
SOLID WASTE PLANNING REGION

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

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

WHEREAS, with the view that better planning for solid waste will help control the additional costs that will be imposed by the new landfill regulations, help protect the environment, provide an improved solid waste management system, better utilize our natural resources, and promote the education of the citizens of Tennessee in the areas of solid waste management including the need for and desirability of reduction and minimization of solid waste, local governments in Tennessee supported and worked for the passage of this Act; and

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

WHEREAS, as per T.C.A. Section 68-211-811, the nine development districts in the State of Tennessee have completed a district needs assessment which are inventories of the solid waste systems in Tennessee; and

WHEREAS, T.C.A. Section 68-211-813, requires that counties in the State of Tennessee form municipal solid waste regions no later than December 12, 1992; and

WHEREAS, the Act's stated preference is the formation of multi-county regions with counties having the option of forming single or multi-county municipal solid waste regions; and

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

WHEREAS, the primary and prevailing purpose of the municipal solid waste regions is the preparation of municipal solid waste regional plans which among other requirements must identify how each region will reduce its solid waste disposal per capita by twenty-five percent (25%) by December 31, 1995, and provide for a planned capacity assurance of its disposal needs for a ten (10) year period; and

WHEREAS, the development of a municipal solid waste regional plan that results in the most cost effective and efficient management of municipal solid waste is in the best interest of the citizens of Loudon County.

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

*Ex Libris B*

BE IT FURTHER RESOLVED, that pursuant to T.C.A. Section 68-211-813(a)(2), that the Board of County Commissioners of Loudon County, Tennessee, finds and determines that Loudon County shall be and shall constitute a single county municipal solid waste region due to the following: the amount of solid waste, particularly industrial waste, is a sufficient waste stream in Loudon County to justify operating as a single region; local industries have indicated a preference for Loudon County to remain a single region; the closest surrounding counties have adequate landfill capabilities recently developed and, in addition, have not indicated any strong need to join in a multi-county region; and

BE IT FURTHER RESOLVED, that Loudon County remains ready to cooperate as reasonably possible in district and regional waste management planning and recycling efforts; and

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

BE IT FURTHER RESOLVED, that this Municipal Solid Waste Region Board shall be composed of seven (7) members; and

BE IT FURTHER RESOLVED, that pursuant to T.C.A. Section 68-211-813(b)(1) seven (7) Board members shall be appointed by the County Executive and approved by the Board of County Commissioners, it being specifically provided, however, that inasmuch as Loudon County and two of its municipalities which provide disposal services previously have entered into a inter-governmental agreement providing for the establishment of the Loudon County Solid Waste Disposal Commission; that the two (2) members appointed by the City of Lenoir City and the Town of Loudon (one each) to the Loudon County Solid Waste Disposal Commission shall constitute the municipal members on the Municipal Solid Waste Disposal Board established by this Resolution; and that the governmental representative serving on said commission as the representative from Loudon County (either the County Executive or his appointee) shall serve as one of the members of the new Board established by this Resolution, these three being continuing positions on the Board and comprising the three initial six (6) year term provisions; and

BE IT FURTHER RESOLVED, that members of the Board of the Municipal Solid Waste Region shall serve a six (6) year term, except that two (2) members appointed by the County Executive shall have a two (2) year term, that two (2) members appointed by the County Executive shall have a four (4) year term, that one (1) member appointed by the County Executive shall have a six (6) year term, that one member appointed by the Mayor of Lenoir City shall have a six (6) year term, that one (1) member appointed by the Mayor of Loudon shall have a six (6) year term, the latter three, however, being the three members appointed in accordance with the existing intergovernmental agreement with the municipalities of Lenoir City and Loudon, establishing the Loudon County Solid Waste Disposal Commission; and

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

BE IT FURTHER RESOLVED, that at the Municipal Solid Waste Region Board's initial organization meeting it shall select from its members a chair, vice-chair, and secretary and shall cause the establishment of a municipal solid waste advisory committee whose membership shall be chosen by the Board and whose duties are to



assist and advise the Board; and

BE IT FURTHER RESOLVED, that the Municipal Solid Waste Region Board, in furtherance of its duty to produce a municipal solid waste region plan, is authorized to apply for and receive funds from the State of Tennessee, the federal government, Loudon County, the City of Lenoir City and the City of Loudon, and donations and grants from private corporations and foundations; and

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

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

RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF LOUDON COUNTY, TENNESSEE, this 2nd day of November, 1992, the welfare of the citizens of Loudon County requiring it.

  
COUNTY CHAIRMAN

APPROVED:

  
COUNTY EXECUTIVE

ATTEST:

  
COUNTY CLERK

PREPARED BY:

  
COUNTY ATTORNEY

copy

A Public Hearing was held on March 1, 1993, concerning the Loudon County Recreation Board.

A Public Hearing was held on March 1, 1993 concerning the following:

Rezoning on Hwy 11, Map 29, Parcel 89.00 from A-2 Rural Residential to C 2 General Commercial.

There being no comments, the Hearing was closed.

Be it remembered that the Loudon County Legislative Body met in regular session on March 1, 1993 at 7:05 P.M. with the Chairman, J.J. Blair presiding and County Clerk, Riley D. Wampler were present, whereupon Sheriff Tim Guider opened Court. Led the Pledge of Allegiance to the Flag and presented Rev. Kenneth Johnson, who gave the Invocation.

The following Commissioners were present:  
Blair                      Park                      Twiggs                      Price  
Millsaps                      Williams                      Masingo                      Maples

FEBRUARY, 1993  
MINUTES  
APPROVED  
  
SKIT GIVEN  
BY  
PHILADELPHIA  
STUDENTS ON  
COMMITMENT

Commissioner Bledsoe was absent.  
On Motion of Commissioner Price, and seconded by Commissioner Park, the minutes of the last meeting were approved.  
Commissioner Millsaps introduced Philadelphia School to present a skit on Commitment. After the skit, each Commissioner was presented buttons for rain forest preservation.

RESOLUTION  
REQUESTING  
L.C. REGIONAL  
PLANNING COMM.  
TO RECONSIDER  
SILO ACRES/  
MISTY RIDGE  
SUB-DIVISION

Commissioner Twiggs presented a Resolution concerning the decision of Lenoir City Regional Planning Commission concerning the Misty Ridge Sub-division Plat. After much discussion and talk from Ross Rauson, Commissioner Williams seconded the motion to accept the resolution and the vote was unanimous. The Resolution is attached hereto as Resolution No. 5-83 Exhibit H.

NATIONAL  
GUARD  
UP-DATE

County Executive George Miller gave a report concerning the National Guard Armory. Mr. Miller stated he had talked to Nashville and that they have the architectural plans. The plans are going to be approved as soon as possible.

COURT HOUSE  
STUDY

County Executive George Miller reported he had talked to Mr. Brewer concerning the Brewer Property located behind the Courthouse. A price of \$30,000.00, without the house is still being considered. It was moved by Commissioner Price and seconded by Commissioner Millsaps that Mr. Brewer be given until June 1, 1993 or 90 days to talk to Mr. Grindstad and see if they wanted to move the house. The vote was 8 to 0 in favor, with one abstaining. Commissioner Maples abstained.

RESOLUTION  
APPROVING  
APPOINTMENTS  
TO SOLID  
WASTE  
BOARD

County Executive, George Miller presented a Resolution to the Commission to approve the appointment of five members to the Municipal Solid Waste Planning Region Board. After much discussion, when some of the Commissioners gave their reasons why they submitted the names for some of the board members, it was then moved by Commissioner Millsaps and seconded by Commissioner Millsaps and seconded by Commissioner Twiggs that the Resolution be approved. By Roll Call, the vote was 4 in favor and 3 against and one abstaining. After Loudon County Attorney, Harvey Sproul explained that the board was a state regulation that each county would have to have to stay in the landfill business. Commissioner Park explained that he should change his vote. Upon another motion by Commissioner Millsaps and seconded by Commissioner Twiggs, a Roll Call vote was made. The vote was five in favor (Blair, Millsaps, Price, Park, & Twiggs), 2 against (Williams & Maples), and one abstaining (Masingo). The Resolution is attached as Resolution No. 9-93 Exhibit B.

RESOLUTION  
APPROVING  
AMENDMENT TO  
THE  
INTERGOVERN-  
MENTAL  
AGREEMENT  
FORMING THE  
LOUDON CO.  
SOLID WASTE  
DISPOSAL  
COMMISSION

County Executive George Miller presented a motion to approve Amendments to the Intergovernmental Agreement which formed the Loudon County Solid Waste Disposal Commission. After discussion it was moved by Commissioner Millsaps and seconded by Commissioner Twiggs that the Resolution be approved by a Roll Call Vote. The vote was 5 in favor (Blair, Millsaps, Price, Park & Twiggs) 2 against (Williams & Maples) and 1 abstaining (Masingo). The Resolution is attached hereto as Resolution No. 10-93 Exhibit C.

RESOLUTION  
SUPPORTING  
FAIR SHARE  
OF FEDERAL  
FUNDING TO  
Y-12 WEAPONS  
PLANT

County Executive George Miller presented a Resolution to support Federal Funding Fair Share to the Y-12 Plant in Oak Ridge, Tennessee to support the advancement of the Neutron Source Project. It was moved by Commissioner Williams and seconded by Commissioner Maples that the Resolution be approved. The vote was unanimous and is hereby attached as Resolution 11-93 Exhibit D.

LOUDON CO.  
DOMESTIC  
VIOLENCE  
CENTER  
REPORT

County Executive George Miller presented a request from Marsha Jefferson, Executive Director of the Domestic Violence Center to be placed on the list of County Agencies to be allowed to purchase Federal Surplus Property. It was moved by Commissioner Park and seconded by Commissioner Williams that they be allowed to be placed on the list. The vote was unanimous.

ROAD COMM.  
TO ASSIST  
TORNADO  
VICTIMS

Road Commissioner, Don Palmer asked the Commission if he could assist in the clean up of damage caused by the tornado. Commissioner Park made a motion and it was seconded by Commissioner Williams that he could assist any property owner on their property if the damage was caused by the tornado. The vote was unanimous.

BUILDING  
COMMISSIONER'S  
REPORT

Building Commissioner Doug Lawrence gave a report for the month of February, 1993:

Permits sold:	33	Value:	\$1,062,000.00
Fees:	\$2,396.00	Taxes:	7,560.00

NATIONAL  
4-H MEMEBERS  
HONORED

County Executive George Miller presented a Resolution honoring three National 4-H Winners. They are: Jennifer Susanne Guldán, Cynthia Marie Stringer, and Heather Malina Brashears. This Resolution is hereby attached as RESOLUTION 12-99 Exhibit E.

PLANNING  
COMMISSION:

TO REZONE  
MAP 18,  
PARCEL 7.04  
6th DISTRICT

State Planner, Pat Phillips presented a Resolution to rezone Map 18, Parcel 7.04 from A-2 Rural Residential to R-1 Suburban Residential in the 6th Legislative District, on a motion by Commissioner Twiggs and a second by Commissioner Masingo, the vote was unanimous. The Resolution is hereby attached as Resolution 13-99 Exhibit F.

PLANNING  
COMMISSION:

TO REZONE  
MAP 29,  
PARCEL 89.00  
Hwy. 11  
5th DISTRICT

State Planner, Pat Phillips presented a Resolution to rezone Map 29, Parcel 89.00 located on Hwy 11, 5th legislative distri to be rezoned from R-1 Suburban Residential to C-2, General Commercial. On a motion by Commissioner Williams and second by Commissioner Park, the vote was unanimous with all in favor.

The Resolution is hereby attached as Resolution 14-99 Exhibit G.

NOTARIES  
APPROVED

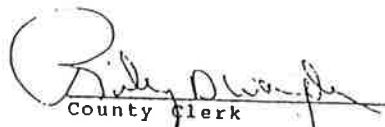
It was moved by Commissioner Price and seconded by Commissioner Maples the the following Notaries be approved:

Dennis E. Moldenhauer, Charlotte B. Queen, Jack Randolph, Willard D. Price, Royce M. Norman, Joan Hartline, Noel O. Patterson, Jackie Sartin, and Jessica R. Proaps.

COURT  
ADJOURNED

It was moved by Commissioner Price and seconded by Commissioner Park to adjourn. The vote was all in favor. Court Adjourned at 8:45.

  
County Executive

  
County Clerk

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
MEMBERS AS OF NOVEMBER 1994

CHAIRMAN

Wayne Tolbert - CITIZEN APPOINTMENT  
9598 Antioch Church Road West  
Lenoir City, TN 37771

VICE-CHAIR

Donald Pace - REPRESENTING CITY OF LENOIR CITY  
203 Pike Street  
Lenoir City, TN 37771

TREASURER

Aileen Longmire - CITIZEN APPOINTMENT  
3815 Matlock Bend Road East  
Loudon, TN 37774

Albert Jordan Jr. - CITIZEN APPOINTMENT  
502 Mulberry  
Loudon, TN 37774

Mel Hines - REPRESENTING CITY OF LOUDON  
706 Mulberry  
Loudon, TN 37774

David Twiggs - REPRESENTING LOUDON COUNTY COMMISSION  
2707 Lakeview Drive  
Lenoir City, TN 37771

LOUDON COUNTY COMMISSION

RESOLUTION NO. 12-5-94 = Ex = A

RESOLUTION APPROVING OR ACKNOWLEDGING BOARD OR COMMITTEE  
APPOINTMENT BY COUNTY EXECUTIVE

WHEREAS, by statute, and/or intergovernmental agreement and/or County Procedural Regulations, the County Executive has authority to make certain committee and board appointments; and

WHEREAS, an appointment (or appointments) is necessary and/or desirable at this time; and

WHEREAS, the County Executive appoints the following as a member of:

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
(Name of Committee or Board)

Appointee

Term Expiration

Sidney Mayes (Panel C)

March 1995

Sarah Simpson Bivens (Panel A)

March 1999

NOW, THEREFORE, BE IT RESOLVED that the County Commission in regular session assembled this 5th day of December 1994 hereby approves or acknowledges (as appropriate), the said appointment(s).

COUNTY CHAIRMAN

ATTEST:

APPROVED:

  
COUNTY CLERK

  
COUNTY EXECUTIVE

The remaining members and their continuing expiration terms for said board or committee are as follows:

Appointee

Term Expiration

Panel (A) Initial 6 yr-thereafter 6 yr:

Don Pace

March 1999

Mel Hines

March 1999

Panel (B) Initial 4 yr-thereafter 6 yr:

Al Jordan

March 1997

Wayne Tolbert

March 1997

Panel (C) Initial 2 yr-thereafter 6 yr:

Aileen Longmire

March 1995

Ex = A

REGIONAL MUNICIPAL ADVISORY COMMITTEE

Ivar Carlson  
210 Kiyuga Lane  
Loudon, Tennessee

INTEREST- Tellico Village resident

Harry Gillman  
PO Box 397  
Lenoir City, Tennessee

INTEREST- Tennessee Waste Movers

Mitchell D. Martin Jr.  
PO Box 335  
Loudon, Tennessee

INTEREST- Viskase Corp.

Ann Hammontree  
100 River Road #104  
Loudon, Tennessee

INTEREST- Loudon County Beautification Board

## REGIONAL MUNICIPAL ADVISORY COMMITTEE

### MISSION STATEMENT

The Advisory Committee was created to ensure public participation in the activities of the Loudon County Solid Waste Disposal Commission. This committee was involved in the planning process of the 10-Year Plan, and will be called on in the future to assist the Commission in carrying out the Plan.

### ACTIVITIES DURING PLAN DEVELOPMENT

The Advisory Committee recieved draft copies of the 10-Year Plan, and attended workshops to discuss the plan and offer information.

### ROLE IN IMPLEMENTING THE PLAN

The Advisory Committee will be kept informed of all meetings of the LCSWDC, and will be informed of all steps taken to implement the Plan. The LCSWDC will periodically call on the Committee for input and ideas regarding specific issues.



CITY COUNCIL

Tom F. Cheatham  
J. Conner  
Gerald (Gene) Hamby  
Douglas (Buddy) Hines  
Thomas A. McNabb  
Donald Pace

CITY OF LENOIR CITY



600 EAST BROADWAY - P.O. BOX 445  
LENOIR CITY, TENNESSEE 37771  
Phone (615) 986-2715 - Fax 988-5143

RECORDER-TREASURER

Harold E. Proaps

CITY JUDGE

Thomas F. Ingram

CITY ATTORNEYS

Terry Vann

November 9, 1994

Ms. Beth Burklin  
Loudon County Solid Waste  
Disposal Commission  
100 River Road  
Loudon, TN 37774

Dear Ms. Burklin:

This letter is to confirm that the City of Lenoir City is in compliance with the financial accounting requirements of T.C.A. 68-31-874 (a), as amended. The City of Lenoir City accounts for all revenues and expenditures regarding solid waste activities in a special revenue and expenditure fund titled the Sanitation Fund.

If you need additional information, please let me know.

Sincerely,

Harold E. Proaps  
Recorder-Treasurer

CITY OF LENOIR CITY

HEP/dc

CITY OF LOUDON

CITY HALL  
P.O. BOX 189  
LOUDON, TENNESSEE 37774

November 3, 1994

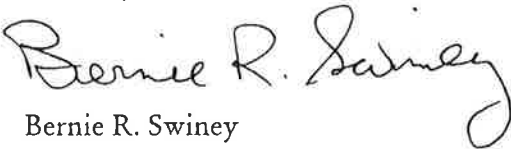
Ms. Beth Burklin  
Loudon County Solid Waste Disposal Commission  
100 River Road #109  
Loudon, TN 37774

Dear Ms. Burklin:

This letter is to confirm the City of Loudon is in compliance with the financial accounting requirements of T.C.A. 68-31-874(a), as amended. The City of Loudon accounts for all revenues and expenditures regarding solid waste activities in a special revenue fund titled the Sanitation Fund.

If you need more information please contact Stephanie Putkonen at 458-7513.

Sincerely,

A handwritten signature in cursive script that reads "Bernie R. Swiney". The signature is written in dark ink and is positioned above the printed name and title.

Bernie R. Swiney  
Mayor

BRS:sp



# County of Loudon

GEORGE M. MILLER

COUNTY EXECUTIVE

100 RIVER RD. #106

LOUDON, TENNESSEE 37774

PH. 458-4664

June 7, 1994

Loudon County Solid Waste Disposal Commission  
100 River Road, #109  
Loudon, TN 37774

To Whom It May Concern:

Loudon County has complied with the financial accounting requirement of TCA 68-31-874(a).

Sincerely,

George M. Miller  
Loudon County Executive



## APPENDIX B

### Documentation for Adjustments to the Base Year Generation

This appendix contains documentation for adjustments to the base year generation, or variances from the waste reduction goals, as set forth in [T.C.A. Section 68-31-861(a) and (b) and discussed in Chapter IV. If no county in the region has utilized these options, omit this Appendix.

1. Adjustment of 1989 Generation Data:

- a. a copy of the county's letter to the Director of the State Planning Office requesting an adjustment to the 1989 base line data, and setting forth reasons for the adjustment;
- b. copies of any supporting documentation;
- c. copy of a letter from the Director of the State Planning Office approving the adjustment.

2. "No Collection" Variance

- a. copy of the county's letter to the Director of the State Planning Office requesting a variance;
- b. copy of a letter from the Director of the State Planning Office granting the variance.

3. Previous Waste Reductions (1985-1989)

If the region claims credit against its waste reduction goal for waste reduction and recycling programs in 1985 through 1988, provide documentation for those reductions.

Documentation could include sales records from a public recycling center, annual reports indicating quantities handled, etc.

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774

May 25, 1994

Carol White, Director  
Tennessee State Planning Office  
307 John Sevier Building  
500 Charlotte Avenue  
Nashville, Tennessee 37243-0001

Dear Ms. White:

In response to T.C.A. Section 68-31-861(a) and (b), this letter is to request an adjustment in the 1989 waste generation baseline data for Loudon County's Regional Solid Waste Plan (Chapter IV). The Loudon County Regional Solid Waste Plan will contain the following documentation for an adjustment to the base year generation and variances from the waste reduction goals:

The population and quantity of solid waste generated and disposed of in calendar 1989 for Loudon County were 31,500 and 67,930, respectively. Thus the waste generated and disposed of per capita was 2.16 tons per capita per year. This figure was the actual disposal amount reported by Santeck Environmental Services operator of the Matlock Bend Landfill and recorded by the Loudon County Solid Waste Disposal Commission recorder. The UT study estimated a waste generation of 26,508 tons per year based on national waste generation averages and population estimates. For planning purposes, Loudon County proposes to use the actual disposal figure reported by Santeck and Loudon County, not the UT estimate.

Documentation of the waste disposed at the Matlock Bend (Loudon County) landfill from 1988 through 1991 is enclosed to provide verification of the actual waste disposal amounts. Therefore, we are requesting an adjustment of the base year generation from 26,508 to 67,930 tons. If you have any questions, please call Beth Burklin, the LCSWDC administrative assistant at 966-6097. Thank you for your consideration.

Sincerely,

Wayne Tolbert, Chair  
Loudon County Solid Waste Disposal Commission

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

## Tonnage for Fiscal Year 1988-89

REGULAR	36,579.70
---------	-----------

## Tonnages for Fiscal Year 1989-90

0.00

## Tonnages for Fiscal Year 90-91

0.00

TOTAL	2,741.35	238.70	5,578.85	474.90	2,175.85	1,141.10	9.70	17,539.75	9.75	2,727.55	4,961.25	1,190.60	637.30	23,661.98	5.40	31,927.69	3,088.65	1,489.25	2.80	36,726.40	4,524.30	58,317.22	12.50	99,580.42
-------	----------	--------	----------	--------	----------	----------	------	-----------	------	----------	----------	----------	--------	-----------	------	-----------	----------	----------	------	-----------	----------	-----------	-------	-----------

**LOUDON SANITARY LANDFILL**

**LARGEST CUSTOMERS**

Tonnes for Fiscal Year 91-92

	CITY OF LOUDON		CITY OF LENOIR CIT		LOUDON COUNTY		VOLUNTEER REFUSE		TN WASTE MOVERS		KIMBERLY-CLARK		METAL RESOURCES		OTHER USERS		SUB-TOTALS		TOTAL					
	REGULAR	DEMO	REGULAR	DEMO	REGULAR	DEMO	ASBESTOS	REGULAR	DEMO	INDUSTRIAL	REGULAR	DEMO	REGULAR	INDUSTRIAL	REGULAR	DEMO	ASBESTOS	REGULAR	DEMO	INDUSTRIAL	ASBESTOS	TONS		
Y	250.30	3.60	491.30	64.45	198.30	330.10		1,568.95	21.15	189.96	479.50		72.25	1,450.90		2,875.71	245.19	67.09		3,305.79	486.39	4,516.57	0.00	8,308.75
GUST	241.30	32.20	507.25	37.50	170.40	15.70		1,390.20		159.90	473.15		113.20	2,628.35		2,244.84	186.80	864.75		3,082.30	950.15	5,033.09	0.00	9,065.54
PTEMBER	219.15	16.95	419.30	50.25	149.55		18.20	979.55		155.15	244.10		32.80	2,911.90		2,514.91	350.60	81.45	0.20	2,395.05	148.65	5,581.96	18.40	8,144.06
TOBER	235.30	31.00	494.80	49.00	155.20			1,368.15		161.25	475.15		60.70	2,904.16		2,384.94	154.45	97.50		3,305.79	486.39	5,450.35	0.00	8,571.60
EMBER	191.60	14.30	412.35	15.30	152.00			1,447.85		156.10	378.70		40.60	3,087.93		567.30	225.45	74.75		3,305.79	486.39	3,811.33	0.00	6,764.23
EMBER	240.45	24.25	482.70	41.80	179.45			1,277.65		149.15	448.20		63.55	2,798.25	1.50	338.92	209.60	50.35	0.60	3,305.79	486.39	3,288.32	0.60	6,306.42
NUARY	222.30	28.75	466.70	34.35	169.85			1,373.95		135.60	112.50		52.95	2,334.10		215.20	624.30	48.65		3,022.55	111.75	2,684.90	0.00	5,819.20
RUARY	193.70	16.95	413.75	32.80	141.20			1,045.20		179.89	84.50		32.10	2,182.55		431.96	525.05	53.65		2,435.50	103.40	2,794.40	0.00	5,333.30
ARCH	220.15	27.40	460.65	48.10	177.35			1,277.80		188.50	103.70		43.95	2,515.25		467.38	1,335.15	52.75		3,618.75	128.25	3,171.13	0.00	6,918.13
RIL	209.95	41.65	446.80	51.95	187.60			1,284.90		128.10	382.05	6.35	31.10	2,853.60		432.70	904.50	58.55	0.55	3,446.90	158.50	3,414.40	0.55	7,020.35
Y	226.35	26.20	418.15	45.85	184.75			1,164.45		89.15	424.90		31.80	2,441.20		447.65	828.00	69.35		3,278.40	141.40	2,978.00	0.00	6,397.80
NE	236.65	43.00	445.40	53.60	183.75			1,225.20		115.75	358.25		112.30	3,482.00		834.75	919.88	38.70	0.25	3,481.43	135.30	4,432.50	0.25	8,049.48
																	0.00	0.00						
TAL	2,687.20	306.25	5,459.15	524.95	2,049.40	345.80	18.20	15,403.85	21.15	1,808.50	3,964.70	6.35	687.30	31,590.19	1.50	13,756.26	86,698.86	86,698.86	1.60	88,698.86	88,698.86	47,154.95	19.80	86,698.86

**LARGEST CUSTOMERS**

Tonnes for Fiscal Year 92-93

	CITY OF LOUDON		CITY OF LENOIR CIT		LOUDON COUNTY		VOLUNTEER REFUSE		TN WASTE MOVERS		KIMBERLY-CLARK		METAL RESOURCES		OTHER USERS		SUB-TOTALS				TOTAL			
	REGULAR	DEMO	REGULAR	DEMO	REGULAR	DEMO	REGULAR	DEMO	INDUSTRIAL	REGULAR	DEMO	REGULAR	INDUSTRIAL	REGULAR	INDUSTRIAL	DEMO	ASBESTOS	REGULAR	DEMO	INDUSTRIAL	ASBESTOS	TORNADO	TONS	
Y	264.45	28.55	500.05		188.25		1,457.85		134.40	378.20		65.90	3,873.75	568.26	880.75	93.25	0.00	3,735.45	121.80	4,576.41	0.00	0.00	8,433.66	
GUST	260.45	24.55	436.55	34.35	188.25		997.15		88.15	157.20		40.25	4,672.45	636.09	953.70	30.50	0.00	3,033.55	89.40	5,394.69	0.00	0.00	8,517.64	
PTEMBER	228.80	40.40	421.90	33.65	165.60		1,075.25		112.55	159.30		45.20	5,166.75	1,515.61	917.80	35.15	0.00	3,013.85	109.20	6,795.11	0.00	0.00	9,918.16	
TOBER	215.10	29.70	407.60	37.30	158.15		775.85		120.85	168.85		60.85	5,703.35	1,242.09	809.20	56.35	0.00	2,595.60	123.35	7,066.29	0.00	0.00	9,785.24	
EMBER	219.25	25.35	409.15	20.15	180.90		812.70		144.00	232.55		30.70	6,150.50	1,179.14	854.70	41.40	0.00	2,739.95	86.90	7,473.64	0.00	0.00	10,300.49	
EMBER	236.15	14.95	471.80	29.50	176.45		1,129.15		151.60	209.90		36.40	5,765.00	1,124.95	841.45	46.90	1.70	3,101.30	91.35	7,041.55	1.70	0.00	10,235.90	
NUARY	218.85	13.70	398.45	41.35	167.95		919.40		145.75	125.95		73.70	6,311.40	1,441.27	826.20	91.25	0.00	2,730.50	146.30	7,898.42	0.00	0.00	10,775.22	
RUARY	185.00	19.95	341.70	40.90	148.65		1,257.18		160.05	162.40		43.80	5,203.10	682.64	646.65	12.90	0.00	2,785.18	73.75	6,025.79	0.00	2,489.80	11,374.52	
ARCH	237.20	26.40	531.70	74.45	177.55		1,446.75		164.60	201.30		30.75	5,089.80	568.49	787.45	84.30	0.50	3,412.70	185.15	5,822.89	0.50	490.65	9,911.89	
RIL	231.00	67.90	463.25	121.30	195.80		1,221.25		116.00	212.75		44.50	4,841.88	1,512.75	1,064.40	19.50	2.15	3,432.95	208.70	8,470.63	2.15		10,114.43	
Y	209.00	44.10	415.60	99.80	177.20		1,761.60		137.10	128.45		48.60	5,991.75	4.32	834.29	1,033.00	151.85	0.00	3,777.77	295.75	8,963.14	0.00		11,036.66
NE	235.70	30.50	441.70	117.55	187.85		1,277.00			269.50		33.40	6,279.70		380.10	1,154.50	73.25	0.00	3,599.65	221.30	6,659.80	0.00		10,480.75
TAL	2,740.95	366.05	5,239.45	650.30	2,112.60	0.00	14,131.13	0.00	1,473.05	2,406.35	0.00	553.85	65,049.43	4.32	11,685.88	10,789.80	736.60	4.35	37,958.45	1,752.95	78,188.36	4.35	2,980.45	120,884.56

**LARGEST CUSTOMERS**

Tonnes for Fiscal Year 93-94

	CITY OF LOUDON		CITY OF LENOIR CIT		LOUDON COUNTY		B F I		TN WASTE MOVERS		KIMBERLY-CLARK		METAL RESOURCES		OTHER USERS		SUB-TOTALS		TOTAL					
	REGULAR	DEMO	REGULAR	DEMO	REGULAR	DEMO	REGULAR	DEMO	INDUSTRIAL	REGULAR	DEMO	REGULAR	INDUSTRIAL	REGULAR	INDUSTRIAL	REGULAR	DEMO	ASBESTOS	REGULAR	DEMO	INDUSTRIAL	ASBESTOS	TORNADO	TONS
Y	235.90	29.00	414.25	144.35	162.00		1,282.00		133.75	321.75		104.90	4,895.05		289.09	1,193.00	75.10		3,733.80	248.45	5,317.89	0.00		9,300.14
GUST	242.20	21.55	447.40	71.10	188.45		1,206.55		123.65	291.65		95.25	6,199.05		390.86	1,042.35	105.85	4.15	3,513.85	198.50	6,713.56	4.15		10,430.08
TEMBER	232.05	34.35	448.60	66.80	177.05		1,296.70		118.95	269.05		67.15	7,278.70	5.05	258.00	917.95	65.60	0.40	3,411.60	166.75	7,653.65	0.40		11,232.40
TOBER	228.55	26.00	405.30	43.25	182.65		1,517.75		108.10	178.25		59.55	7,637.25		451.84	962.85	99.15		3,532.90	168.40	8,197.19	0.00		11,698.49
EMBER	232.75	19.25	425.10	30.15	166.55		700.60		112.65	200.15		79.40	7,217.95		234.29	1,281.77	31.40	0.25	3,088.32	80.80	7,564.89	0.25		10,732.26
EMBER	215.60	49.15	487.85	38.80	197.70		1,281.97		128.30	179.40		77.25	7,450.25		171.55	947.35	56.05	0.15	3,387.12	144.00	7,750.10	0.15		11,281.37
																0.00								
TAL	1,385.05	179.30	2,626.50	394.45	1,094.40	0.00	7,285.57	0.00	725.40	1,440.25	0.00	483.50	40,678.25	5.05	1,795.63	6,345.27	433.15	4.95	20,665.59	1,006.90	43,197.28	4.95	0.00	64,874.72



# State of Tennessee

NED McWHERTER  
GOVERNOR

June 6, 1994

Mr. Wayne Tolbert, Chair  
Loudon County Solid Waste  
Disposal Commission  
100 River Road #109  
Loudon, TN 37774

Dear Mr. Tolbert:

Thank you for your recent correspondence regarding the request for adjustment to 1989 waste generation baseline data for Loudon County's Regional Solid Waste Plan. I appreciate your information.

The responsibility for oversight and administration of the state's solid waste plan has now been transferred to the Department of Environment and Conservation, Division of Solid Waste Assistance. I will forward your information to the Department. Please address all future correspondence regarding Loudon County's solid waste planning efforts to Commissioner J. W. Luna or Mr. Paul Evan Davis, Department of Environment and Conservation, 21st Floor L & C Tower, Nashville, TN 37243.

If I can be of further assistance, please do not hesitate to let me know.

Sincerely,

A handwritten signature in cursive script that reads "Carol White".

Carol White  
Executive Director  
Tennessee State Planning Office

CW/tlw





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

NED McWHERTER  
GOVERNOR

J. W. LUNA  
COMMISSIONER

June 22, 1994

Wayne Tolbert, Chairman  
Loudon County Solid Waste Disposal Commission  
100 River Road #109  
Loudon, TN 37774

Dear Mr. Tolbert:

We have received your request for a per capita disposal rate adjustment to Loudon County's solid waste base year data. From the documentation provided, it appears that you have a valid concern for adjusting the base year data. Therefore, Loudon County's base year data is approved to reflect an annual per capita disposal rate of 2.16 tons.

If we can be of further assistance on this or any other matter, please do not hesitate to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Paul Evan Davis".

Paul Evan Davis  
Director  
Division of Solid Waste Assistance

PED:GHD:dhm

cc: Mitch Loomis, ETDD

## APPENDIX C

### Public Participation Activities

Documentation of public participation activities during development of the regional plan.

Two public workshops were held in the fall in 1993 and the spring of 1994. Two public meetings were held in July 1994 to summarize the plan and receive public comment. The attendance lists are attached.

Also attached is the survey results of Loudon County citizens opinions on solid waste planning and managemnt.

Lowson County  
Public meeting

March 29, 1994

<u>NAME</u>	<u>REPRESENTING</u>
Peggy Douglas	Plan consultant
BARRY BAKER	Lowson
Cheryl Dunson	Santek
Beth Buskirk	LCSWDC
Matthew Baker	News Hook

Garyon [Signature]

city

# ATTENDANCE SHEET

PLEASE SIGN IN

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION

PUBLIC WORKSHOP FOR 10-YEAR SOLID WASTE PLAN

DATE: JULY 16, 1994 10:00 AM

LOCATION: VISITORS CENTER, LENOIR CITY

[illegible]

# ATTENDANCE SHEET

1964 1965 1966

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION

PUBLIC WORKSHOP FOR 10 YEAR SOLID WASTE PLAN

[illegible]

**JOHN CITY HALL**

NAME

REPRESENTING, OR REASON FOR  
ATTENDING

[illegible]

May 17, 1994

# ***FOR IMMEDIATE RELEASE***

---

On 10-year waste management plan

## **Solid Waste Commission Seeks Public Input**

LOUDON, Tenn. - The Loudon County Solid Waste Disposal Commission is seeking members of the public to serve on a municipal advisory committee to provide input into the county's draft 10-year solid waste management plan.

The state-mandated committee can also share a role in the plan's implementation.

"We would welcome any Loudon County citizen's participation on this committee," said Commission Chairman Wayne Tolbert. "The commission can make decisions about which direction our county should take with its solid waste management program, but public input about our decisions strengthens the plan."

Tolbert said there's no rule regarding the number of committee members, but ideally he said the commission would like to see a cross section of people that represents the entire community.

"Obviously, people from the business sector would be an asset on the committee as would people in the environmental and educational fields," Tolbert said. "We also want input from concerned residents and anyone who has any particular experience in the solid waste and civil engineering arenas."

The role of the committee is to review the plan and make specific comments and suggestions about its direction and implementation. The key to making the plan successful, he added, is education - an area in which the committee could have its greatest impact.

"The waste reduction and public education mandates that the state has placed on local governments is something that won't be achieved without public participation," he said.

- MORE -

## INPUT - ADD ONE

"Members of the advisory committee can assist us with the accurate dissemination of information about our solid waste program. Every effort constitutes a step towards implementing a comprehensive solid waste management program countywide."

Tolbert said citizens interested in serving on the committee should call the commission's administrative assistant, Beth Burklin, at 966-6097 or 458-4665.

- 30 -

### For More Information Contact:

Wayne Tolbert  
(615) 481-8703

Beth Burklin  
(615) 966-6097  
(615) 458-4665

10-YEAR PLAN MAILING LIST

COUNTY COMMISSION CANDIDATES

Sarah Simpson Bivens  
5456 Harrison Bend Road  
Loudon, Tennessee 37774

William Bryant Howard III  
8069 Watkins Road  
Loudon, Tennessee 37774

Don Lane  
507 West Broadway  
Lenoir City, Tennessee 37771

Eric Thomas  
500 West Tenth Ave.  
Lenoir City, Tennessee 37771

Jerry Masingo  
201 Oak Street N.  
Greenback, Tennessee 37742

Roy H. Bledsoe  
800 Sunnyside Road  
Philadelphia, Tennessee 37846

Harold Duff  
2500 Dixie Lee Circle  
Lenoir City, Tennessee 37771

Jerry W. Park  
1280 Hwy 321 N.  
Lenoir City, Tennessee 37771

Ken Shockley  
19301 Martel Road  
Lenoir City, Tennessee 37771

Curtis Alan Williams, Jr.  
3770 Duncan Road  
Lenoir City, Tennessee 37771

Ben Surrett  
P.O. Box 294  
Loudon, Tennessee 37774

Lee Ledbetter  
403 E. 2nd Ave.  
Lenoir City, Tennessee 37771

Earleana Maples  
609 D St.  
Lenoir City, Tennessee 37771

Bob Smith  
6685 Browder Hollow Road  
Lenoir City, Tennessee 37771

Mary Williams  
402 E. Hotchkiss Valley Road  
Lenoir City, Tennessee 37771

COUNTY EXECUTIVE CANDIDATES

George Miller  
427 Bailey's Road  
Greenback, Tennessee 37742

Joe Sims  
502 W. 2nd Ave.  
Lenoir City, Tennessee 37771

LOUDON CITY COUNCIL

Mayor Bernie R. Swiney  
101 Harrison Bend Road  
Loudon, Tennessee 37774

Vice-Mayor Eugene Lambert  
1014 Mulberry  
Loudon, Tennessee 37774

Randel Johns  
732 Ferry Street  
Loudon, Tennessee 37774

Michael Cartwright  
1119 Huffland Drive  
Loudon, Tennessee 37774

James Thomas  
1001 Freedman Street  
Loudon, Tennessee 37774



LENOIR CITY COUNCIL

Mayor Charles T. Eblen  
Lenoir City Hall  
600 E. Broadway  
Lenoir City, Tennessee 37771

William F. Toby Cheatham  
1272 Simpson Road E.  
Lenoir City, Tennessee 37771

I.D. Babe Connor  
1103 West Broadway  
Lenoir City, Tennessee 37771

Gerald Gene Hamby  
700 W. 6th Ave.  
Lenoir City, Tennessee 37771

Douglas R. Buddy Hines  
301 C. Street  
Lenoir City, Tennessee 37771

Thomas A. Mc Nabb  
362 West Hills Drive  
Lenoir City, Tennessee 37771

SANTEK

Cheryl Dunson  
Santek Waste Services  
1306 South Lee Hwy  
Cleveland, Tennessee 37311-5863

ADVISORY COMMITTEE

Ivar D. Carlson  
210 Kiyuga Lane  
Loudon, Tennessee 37774

Harry Gillman  
Tennessee Waste Movers  
P.O. Box 397  
Lenoir City, Tennessee 37771

Mitchell D. Martin Jr.  
P.O. Box 335  
Loudon, Tennessee 37774

Ann Hammontree  
100 River Road #104  
Loudon, Tennessee 37774

LOUDON COUNTY CITIZEN OVERSIGHT COMMITTEE

Gerald Moore  
21881 Hwy 72 North  
Loudon, Tennessee

Ray Purdy  
21884 Hwy 72 North  
Loudon, Tennessee

J.C. Steed  
22944 Hwy 72 North  
Loudon, Tennessee

Mrs. Ben Gaylon  
29045 Hwy 72 North  
Loudon, Tennessee

Ted Lynn  
16739 Prospect Road  
Loudon, Tennessee

Don Trollinger  
26755 Hwy 72 North  
Loudon, Tennessee

Edward Headlee  
PO Box 356  
Loudon, Tennessee

Ann Hammontree  
Loudon County Beautification Board  
100 River Road #104  
Loudon, Tennessee

LOUDON COUNTY SOLID WASTE SURVEY--  
CITIZEN'S OPINIONS ON SOLID WASTE MANAGEMENT OPTIONS

Prepared for the Loudon County  
Solid Waste Disposal Commission  
by  
Peggy Douglas, Ph.D.

December 13, 1993

Introduction

In consultation with the Loudon County Solid Waste Disposal Commission, Dr. Peggy Douglas devised a methodology to ascertain the opinions, attitudes, preferences, and background attributes of citizens of Loudon County with respect to solid waste management issues facing the region. Trained personnel conducted a random telephone survey of 449 residents. This sample size means that the results obtained have a 95 percent probability of being within four percentage points (plus or minus) of the opinions, attitudes, and preferences of all Loudon County residents.

The survey was conducted during the week of December 3 through December 10, 1993 between the hours of 6:00 pm and 8:30 pm Monday through Friday or 1:00 pm and 6:00 pm Saturday and Sunday. Each telephone number in the original sample was tried a total of three times before a substitute number was made. The sample is generally representative of all Loudon County residents in terms of demographic information.

Summary of Findings

1. Responsibility for solid waste disposal

Loudon County residents feel that local government should be primarily responsible for the disposal of solid waste.

2. Information sources

Loudon Countians choose the library, local government, and newspaper as the primary sources of information about solid waste.

3. Garbage Collection

Fifty percent of Loudon County residents have curbside collection. Only 26 percent use the convenience center. Thus, almost 1/4th of the county is not adequately served by collection services. Eighty-one percent of the residents feel that Loudon County needs more convenience centers.

4. Recycling

When asked how solid waste options should be prioritized, most Loudon County residents said that recycling should be the top priority. About one-half of Loudon County residents currently

recycle. The residents that do not recycle say that the primary reason is that it is not convenient. The overwhelming majority of residents say that supermarkets are their preferred location for a recycling drop-off center.

#### 5. Financing Solid Waste Services

Forty-two percent of Loudon County residents pay a fee to private haulers for garbage collection. Twenty percent responded that they pay for garbage service through city or county taxes. Twenty-four percent of the residents think that garbage service is free (an obvious opportunity for educational efforts).

When told that solid waste costs would be increasing due to new state and federal regulation, most Loudon County residents felt that the increased costs should be financed with local taxes. Twenty-nine percent were willing to pay a monthly fee to cover the additional costs.

#### 6. Landfill disposal

Since most Loudon Countians feel that the local government should be responsible for solid waste disposal, one might infer that residents prefer public vs. private ownership. Seventy-four percent stated that a new landfill should be located in Loudon County. Given the scenario that the cost savings would be around \$45 per household annually, residents slightly preferred the option of a 300 tpd over a 100 tpd landfill. It should be noted, however, that in the actual bids for the landfill contract, the cost differential between a 100 tpd and a 300 tpd was only about four dollars. Thus, one could not infer from this survey that residents have a preference toward a particular sized landfill. Clearly, the most important message that residents gave in the survey was for the county to retain control over its waste. Building a transfer station and exporting Loudon County's waste was not a popular option among residents.

7. Eighty-five percent of Loudon County residents indicated that they would participate in a one-day household hazardous waste collection event financed by the state of Tennessee.

#### Individual Questions

1. Which of the following **SHOULD BE PRIMARILY RESPONSIBLE** for the disposal of solid waste?

1. National government	7.3%
2. State government	12.0%
3. Local government	24.1%
4. Private industry	16.3%
5. all of them	27.6%
6. DK/NA	12.7%

2. If you wanted to know more about solid waste, what would be your source of information? [CODE THEIR RESPONSE-DO NOT READ LIST]
- |                        |       |
|------------------------|-------|
| 1. Library             | 18.3% |
| 2. Newspaper           | 14.7% |
| 3. T.V.                | 8.5%  |
| 4. Magazine/Journal    | 2.4%  |
| 5. Friends             | 5.3%  |
| 6. Local Gov't         | 17.6% |
| 7. State or Fed. Gov't | 7.8%  |
| 8. Other               | 7.6%  |
| 9. DK/NA               | 17.8% |
3. How do you currently dispose of your garbage?
- |  |       |
|--|-------|
| 1. Curbside or backdoor collection                 | 50.3% |
| 2. Take it to a Convenience Center in Loudon Cty   | 26.5% |
| 3. Take it to a Convenience Center in another city | 9.8%  |
| 4. Bury or burn on my own property                 | 8.9%  |
| 5. OTHER   | 3.3%  |
| 6. DK/NA   | 1.1%  |
4. Do you think Loudon County needs more convenience centers for residents to dispose of garbage?
- |          |       |
|----------|-------|
| 1. yes   | 81.3% |
| 2. no    | 10.7% |
| 3. DK/NA | 8.0%  |
5. Do you currently recycle any of your waste at a DROP-OFF CENTER?
- |          |       |
|----------|-------|
| 1. yes   | 49.2% |
| 2. no    | 50.1% |
| 3. DK/NA | .7%   |

---

NOTE: IF RESPONDENT ANSWERED NO TO QUESTION 5, ASK QUESTION 6  
IF RESPONDENT ANSWERED YES TO QUESTION 5, SKIP 6

---

6. Why are you NOT currently taking your recyclables to a DROP-OFF CENTER?
- |                                 |       |
|---------------------------------|-------|
| 1. It's not convenient          | 57.4% |
| 2. It's not available           | 19.2% |
| 3. Don't know where to recycle  | 16.4% |
| 4. I don't believe in recycling | 2.2%  |
| 5. I have curbside recycling    | 4.0%  |
| 6. DK/NA                        | 1.8%  |
7. If you ARE WILLING to take your recyclable materials to a CONVENIENT drop-off recycling center, which would be your preferred location:
- |                       |       |
|-----------------------|-------|
| 1. Supermarket        | 51.2% |
| 2. Recreation Center  | 5.8%  |
| 3. Convenience Center | 12.7% |

4. Church	5.1%
5. Other	12.7%
6. DK/NA	12.5%

NEXT, I'M GOING TO ASK YOU SOME QUESTIONS ABOUT HOW YOU THINK WE SHOULD PAY FOR SOLID WASTE DISPOSAL COSTS

8. How do you pay for garbage service (THIS IS OPEN-ENDED, DON'T PROMPT WITH ANSWERS)?

1. SUBSCRIBE TO A PRIVATE HAULER	42.5%
2. THROUGH MY CITY OR COUNTY TAXES	19.6%
3. GARBAGE SERVICE IS FREE	23.8%
4. OTHER	7.6%
5. DK/NA	6.5%

9. In Tennessee, we have new solid waste regulations that require counties to upgrade garbage collection services, provide recycling services, and improve landfills. These regulations protect the environment, but will cost counties more money to manage solid waste. It has been suggested that **ALL COUNTY RESIDENTS AND BUSINESSES** should pay a monthly fee for these extra costs of solid waste disposal. How do you think we should pay for the extra costs?

1. Monthly garbage service fee	28.7%
2. General Tax Revenues	24.1%
3. Special waste disposal tax	17.6%
4. DK/NA	22.9%
5. OTHER	6.7%

10. Even if Loudon County has a recycling program, much of solid waste cannot be reused and must be disposed of in a landfill. At present, the LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION is considering THREE options for landfilling garbage:

1) To upgrade and expand the existing landfill in Loudon County to dispose of Loudon County's waste ONLY. This would cost Loudon County taxpayers about \$113 per household a year,

OR

2) To cooperate with adjacent counties to build a regional landfill IN Loudon County to share costs and dispose of cooperating counties' waste together. This would cost Loudon County taxpayers about \$68 per household a year.

OR

3) To cooperate with adjacent counties to build a regional landfill OUTSIDE of Loudon County to share costs and dispose of cooperating counties' waste together. This would cost Loudon County taxpayers about \$91 per household a year.

In a choice between (#1), (#2), and (#3), which do you prefer?

1. A landfill for Loudon County <u>ONLY</u> even if I have to pay more.	33.4%
2. A Multi-county landfill located <u>IN</u>	

- |   |       |
|---|-------|
| Loudon County because it is the lowest cost.  | 41.0% |
| 3. A multi-county landfill located OUTSIDE of Loudon County even Loudon County even if it costs more than IF Loudon County hosted the landfill. | 15.8% |
| 4. OTHER  | 2.4%  |
| 5. DK/NA  | 7.3%  |
11. Given all the solid waste services that are needed in Loudon County, which should be given the top priority:
- |                                 |       |
|---------------------------------|-------|
| 1. RECYCLING                    | 35.4% |
| 2. GARBAGE COLLECTION           | 11.6% |
| 3. EDUCATION ON WASTE REDUCTION | 14.0% |
| 4. LANDFILLS                    | 26.3% |
| 5. OTHER                        | 2.2%  |
12. The State of Tennessee now provides grants for counties to collect and dispose of household hazardous waste. If the County offered an annual one-day event to collect HOUSEHOLD HAZARDOUS WASTE, would you be willing to take your old paint products, pesticides, and automotive products to a central location where the waste could be packed and shipped to a hazardous waste landfill AT NO COST TO YOU.
- |          |       |
|----------|-------|
| 1. Yes   | 85.3% |
| 2. No    | 8.5%  |
| 3. DK/NA | 6.2%  |

Now I'm going to ask you some questions so that your responses can be compared to those of others. Again, **YOUR ANSWERS ARE COMPLETELY CONFIDENTIAL.**

---

13. Do you own or rent your home?
- |          |       |
|----------|-------|
| 1. own   | 74.8% |
| 2. rent  | 22.5% |
| 3. DK/NA | 2.7%  |
14. In what year were you born [CODE AGE]
- |            |  |
|------------|--|
| 1. 18-30   |  |
| 2. 31-45   |  |
| 3. 46-60   |  |
| 4. over 60 |  |
| 5. DK/NA   |  |
15. What is your race?
- |          |       |
|----------|-------|
| 1. Black | 5.1%  |
| 2. White | 85.7% |
| 3. Other | 5.8%  |
| 4. DK/NA | 3.3%  |
16. How many years of school have you completed?
- |                     |      |
|---------------------|------|
| 1. some high school | 9.8% |
|---------------------|------|

- |                     |       |
|---------------------|-------|
| 2. high school grad | 30.7% |
| 3. some college     | 30.5% |
| 4. college grad     | 18.0% |
| 5. some grad school | 4.7%  |
| 6. other            | 3.6%  |
| 7. dk/na            | 2.7%  |
17. How many people live in your household? [ENTER ACTUAL NUMBER]
- |           |  |
|-----------|--|
| 1. 1-2    |  |
| 2. 3-5    |  |
| 3. 6-7    |  |
| 4. OVER 7 |  |
18. Which of the following best describes your family income from all sources in 1988. [READ QUICKLY!]
- |                                  |       |
|----------------------------------|-------|
| 1. Under \$10,000                | 8.2%  |
| 2. Between \$10,000 and \$20,000 | 19.4% |
| 3. Between \$20,000 and \$30,000 | 27.8% |
| 4. Between \$30,000 and \$40,000 | 15.1% |
| 5. Over \$40,000                 | 18.7% |
| 6. DK/NA                         | 10.7% |
19. Do you live in Lenoir City, Loudon, or Loudon County?
- |                                   |       |
|-----------------------------------|-------|
| 1. Lenoir City                    | 31.8% |
| 2. Loudon                         | 21.6% |
| 3. Outside Lenoir City and Loudon | 43.2% |
| 4. DK/NA                          | 3.3%  |
20. CODE RESPONDENT'S GENDER
- |           |       |
|-----------|-------|
| 1. Female | 51.4% |
| 2. Male   | 45.7% |
| 3. DK/NA  | 2.9%  |



## APPENDIX D

### Exports and Imports

If the region plans to meet all or part of the projected demand for treatment and disposal capacity by exporting waste to another region, document the concurrence of the impacting region. Appropriate documentation includes:

1. a resolution adopted by the administrative board of the receiving region agreeing to accept waste from the exporting region;
2. a fully executed interlocal agreement;
3. a contract;
4. other legal documentation

**NO IMPORT/EXPORT AGREEMENT EXISTS. LOUDON COUNTY PLANS TO OPERATE AS A SINGLE COUNTY FOR ALL SOLID WASTE MANAGEMENT NEEDS.**

## APPENDIX E

### Review by Appropriate Municipal or Regional Planning Commission

To demonstrate that the regional solid waste plan has been submitted to the appropriate local planning commissions for review and adoption, please submit either:

1. a copy of the minutes of the commission meeting recording submission and review of the plan; or
2. a resolution adopting the regional solid waste plan

A Public Hearing was held at the Loudon County Courthouse on September 13, 1994 at 6:00 P.M. for the purpose of:  
Amendment to the Zoning Resolution of Loudon County, Tennessee, Article 7, Administration & Enforcement, Section 7.030 Building Permits. Proposed amendment will increase the building permit fee scheduled for residential, commercial and industrial uses.

There being no comment, the hearing closed.

Be it remembered that the Loudon County Legislative Body met in regular session with Chairman Bledsoe presiding and County Clerk, Riley D. Wampler was present whereupon Sheriff Tim Guider Opened Court, Led the Pledge of Allegiance to the Flag, and presented Chaplain, Gary Amos who gave the Invocation.

On Roll Call vote, the following Commissioners were present:

Bledsoe	Park	Masingo	Maples	Ledbetter
Randolph	Duff	Simpson	Twiggs	

It was moved by Commissioner Park and seconded by Commissioner Maples that Commissioner Bledsoe be nominated Chairman. It was moved by Commissioner Maples and seconded by Commissioner Randolph that nominations cease and he be elected by acclamation.

It was moved by Commissioner Randolph and seconded by Commissioner Twiggs that Commissioner Maples be nominated Chairman Pro-temp. It was moved by Commissioner Randolph and seconded by Commissioner Park that the nomination cease and that she be elected by acclamation.

Mr. Hank McGee of the Loudon County School System presented Commissioner Masingo who introduced a group of students from Greenback High School who presented a most informative and enjoyable skit.

County Executive, George Miller presented the 10 year Solid Waste Plan for consideration. It was moved by Commissioner Twiggs and seconded by Commissioner Sarah Simpson Bivens that the Solid Waste Commission will appoint a Committee to investigate the possibility of creating a local approval process for any new applications for industrial or commercial waste streams that require approval. The vote was unanimous.

It was moved by Commissioner Masingo and seconded by Commissioner Maples that a Resolution appointing Ted Randolph to the Loudon County Chamber of Commerce be approved. (Term expiration 8-31-95) The vote was unanimous and it is attached hereto as Resolution No. 1A-94 Exhibit AA.

It was moved by Commissioner Park and seconded by Commissioner Randolph that the request from the City of Loudon for Approval of Public Works Project, which will be partially in the county, consisting of pumps, stations and sewer lines to portions of Matlock Bend Park be approved. The vote was unanimous and it is attached hereto as Resolution No. 2-94 Exhibit A.

COMMISSIONER  
BLED SOE  
ELECTED  
CHAIRMAN BY  
ACCLIMATION

COMMISSIONER  
MAPLES ELECTED  
CHAIRMAN PRO-  
TEMP BY  
ACCLIMATION

GREENBACK  
HIGH SCHOOL  
PRESENTED A  
SKIT

THE 10 YEAR  
SOLID WASTE  
PLAN WAS  
PRESENTED FOR  
CONSIDERATION

RESOLUTION  
APPOINTING  
RANDOLPH TO THE  
LOUDON CO.  
CHAMBER OF  
COMMERCE  
APPROVED

CITY OF LOUDON  
APPROVAL OF  
PUBLIC WORKS  
PROJECT  
APPROVED

UNANIMOUS VOTE  
TO APPROVE  
CITY OF LOUDON  
PUBLIC WORKS  
PROJECT - WATER  
SYSTEM

It was moved by Commissioner Randolph and seconded by Commissioner Park that the Request from the City of Loudon for Approval of Public Works Project, which will be partially in the County, Consisting of Water System Improvements to Serve Portions of Matlock Bend Industrial Park be approved. The vote was unanimous and it is attached hereto as Resolution No. 3-94 Exhibit B.

COMMISSIONER  
PARK & LEDBETTER  
MOVE REMAINING  
COMMITTEES BE  
APPROVED

It was moved by Commissioner Park and seconded by Commissioner Ledbetter that the remaining Committees be approved. The vote was unanimous and are attached hereto as Resolution 1AA-94 Exhibit AAA.

RESOLUTION NO.  
1-94 EXHIBIT A  
REAPPOINTING  
GENE LAMBERT  
TO TRDA BOARD

It was moved by Commissioner Randolph and seconded by Commissioner Park that Gene Lambert be reappointed to TRDA Board of Directors (Expiration date 8-11-2000). The vote was unanimous and it is attached hereto as Resolution No. 1- Exhibit A.

PARKS TO STAY  
ON NEGOTIATING  
911 COMMITTEE

It was moved by Commissioner Massingo and seconded by Commissioner Maples that Commissioner Parks stay on the 911 negotiating committee. The vote was unanimous.

ROBERT LEWIS  
ELEVATED TO  
DIRECTOR OF EMA

County Executive, George Miller, reported that Robert Lewis has been elevated from Project Manager to Director of the EMA Office.

COURTHOUSE  
ANNEX COMMITTEE  
FORMED

Concerning the Courthouse Annex, County Executive, George Miller appointed Commissioner Ledbetter, Commissioner Ted Randolph and Commissioner Sarah Simpson Bivens, making Commissioner Ledbetter Chairman of the Committee.

PATRICK PHILLIPS  
PRESENTS  
PLANNING REPORT

Loudon County Planning Commissioner Patrick Phillips reported the Consideration of Amendment to the Zoning Resolution of Loudon County, Tenn. amending Article 7, Section 7.030, Building Permits, as recommended by the Planning Commission establishing revised schedule of fees for permits. It was moved by Commissioner Maples and seconded by Commissioner Park to leave fees as is at present Section 1, that the schedule of fees for commercial, industrial, and residential buildings be amended as follows:  
(1) Commercial .08 per square foot of space up to 5,000 sq. ft.  
(2) Residential .07 per square foot of floor space for the first 2,000 sq. plus .05 per sq. ft. exceeding 2,000 sq. ft.  
(3) Utility warehousing .05 per square foot of floor space.  
Be it resolved, that this Resolution shall take effect immediately. On Roll Call, the vote was unanimous and it is attached hereto as Resolution No. 4- Exhibit D.

COMMITTEE  
APPOINTED TO  
INVESTIGATE  
TRANSFERRING  
DOUG LAWRENCE  
TO PLANNING  
COMMISSION  
OFFICE

County Executive George Miller appointed a Committee Consisting of Commissioner Twiggs, Duff, and Ledbetter making Commissioner Twiggs Chairman to investigate the transferring of Doug Lawrence from the County Commission to the Planning Commission Office

NOTARIES  
APPROVED

It was moved by Commissioner Masingo and seconded by Commissioner Park that the Notaries be approved. The vote was unanimous and they are as follows:

Rhonda Presley, Elizabeth Ann Williams, Sandra Faye McCollum, & Vicki D. Chapman.

There being no further business, Court adjourned at 8:00 P.M.

---

County Executive

---

County Clerk

## APPENDIX F

10-Year Disposal contract between the Loudon County Solid Waste Disposal Commission and Santek Environmental Services.



SANITARY LANDFILL OPERATION AGREEMENT

MATLOCK BEND LANDFILL

LOUDON COUNTY, TENNESSEE

THIS AGREEMENT made and entered into this 5<sup>th</sup> day of April, 1994 by and between Loudon County Solid Waste Disposal Commission, Loudon County, Tennessee, a Commission duly established by an Intergovernmental Agreement between the City of Lenoir City, the County of Loudon and the City of Loudon, hereinafter referred to as the "Commission," and Santek Environmental, Inc., organized under the laws of the State of Tennessee and having its principal place of business at 1306 South Lee Highway, Cleveland, Tennessee 37311, hereinafter referred to as "Santek."

W I T N E S S E T H

WHEREAS, Santek and the Commission have entered into a Sanitary Landfill Operation Agreement dated July 1, 1988 under the terms of which Santek has operated the Matlock Bend Landfill situated off Highway 72 and adjacent to the city limits of the City of Loudon ("Landfill") as more particularly described on Schedule A attached hereto ("Site"); and

WHEREAS, the City of Lenoir City, the City of Loudon and County of Loudon have created the Commission and delegated to it the responsibility for operating the Landfill for the purpose of receiving and disposing of solid waste generated in the City of Lenoir City, the City of Loudon, and the County of Loudon; and



WHEREAS, the Commission is developing the Landfill in separate phases, and since Phase 1 (as hereinafter defined) is nearly filled, the Commission needs to develop Phase 2 of the Landfill (as hereinafter defined); and

WHEREAS, the Commission issued a request for proposals for design, construction and/or operation of Phase 2 of the Landfill consisting of an additional 17.5 acres which will comply with Subtitle D, and after receipt of bids, the Commission decided to negotiate with Santek, the low bidder; and

WHEREAS, the Commission and Santek have negotiated this Agreement for Santek to complete the operations of the existing unused cell areas of Phase 1 of the Landfill covered by the original 1984 MCI plans of the Landfill as permitted by the State of Tennessee ("Phase 1"), to close Phase 1 and to design, construct and operate Phase 2 consisting of an area of approximately 17.5 acres and such additional acreage as may be required to handle the Waste Materials (hereinafter defined) generated in the City of Lenoir City, the City of Loudon and County of Loudon during the next ten (10) years ("Phase 2"); and

WHEREAS, Santek is qualified under the applicable laws, rules, regulations, and ordinances of the State of Tennessee and County of Loudon and the operational plans of the Landfill to operate, close and provide post closure care to Phase 1 as approved by the State of Tennessee Department of Environment and Conservation ("TDEC") from time to time, and to design, engineer,

construct, operate, close and provide post closure services to Phase 2 as approved by the TDEC from time to time.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, and of the consideration to be paid by the Commission to Santek and for the services to be rendered by Santek to the Commission, the Commission and Santek hereby agree as follows:

1. Phase 1 Operation and Closure. During the term of this Agreement, Santek shall have the exclusive right and responsibility to operate the unused cell areas of Phase 1 until Phase 1 is filled and closed in accordance with the provisions of this Agreement and the laws, rules, regulations, Permits and approved operational plans of the TDEC. Upon the filling of the unused cell areas of Phase 1, Santek shall be responsible for final closure of Phase 1 and for the post closure care during the term of this Agreement in accordance with the Closure Plan dated November, 1991 and approved by TDEC ("Phase 1 Closure-Post Closure Plan") including the shaping of the slopes, placing of soil on top and seeding and maintaining the slopes and top of Phase 1. Santek shall test the existing monitoring wells semi-annually or more frequently as may be required by law. The existing parameters as set forth in the Phase 1 Closure-Post Closure Plan as of the effective date of this Agreement will be utilized.

2. Development and Operation of the Site.

(a) Upon the effective date of this Agreement, Santek shall at its cost and expense design Phase 2, including completion of existing hydrogeological studies and civil engineering drawings and endangered species and wetlands studies utilizing state-of-the-art liner system techniques required by the TDEC. Santek shall design an enlargement of Phase 2 to include such additional acreage as may be required to receive and dispose of the anticipated volume of Waste Materials which will be generated in the City of Lenoir City, the City of Loudon and the County of Loudon during the term of this Agreement in an efficient and cost effective manner and submit the preliminary plans and specifications for such enlargement to the Commission for its approval, which approval shall not be unreasonably withheld. If the Commission shall have any objections to the preliminary plans and specifications, it shall notify Santek in writing of its objections and specify the action required to satisfy its objections. If the Commission does not notify Santek in writing of any objections within twenty-one (21) days after receipt of the preliminary plans and specifications, such failure to object shall constitute approval. Upon approval of the preliminary plans and specifications of such enlargement by the Commission, Santek and the Commission shall cooperate in securing a permit from TDEC to enlarge Phase 2 in accordance with such approved plans and specifications. Santek and the Commission shall also cooperate fully with each other in the design of Phase 2 to satisfy such

anticipated stream of Waste Materials and maximize the capacity and operational aspects of Phase 2. Alternative design, construction and maintenance criteria, including manufactured bentonite systems and different leachate collection systems, will be considered in the process of completing the application to TDEC for the construction of Phase 2. The Commission shall be responsible for obtaining all necessary land use approvals and permits ("Permits") from the State of Tennessee and other authorities having jurisdiction over the construction and operation of Phase 2, including all fees and charges related thereto. However, Santek shall cooperate fully with the Commission in obtaining such Permits to the extent requested by the Commission, which shall include, but not be limited to, the preparation of necessary hydrogeological studies and civil engineering drawings for the construction of the Phase 2. Within thirty (30) days of the effective date of this Agreement, Santek shall provide to the Commission a written estimate of the costs of assisting the Commission in securing the Permit; and Santek shall update such estimate and render to the Commission a progress report at the end of each month and provide an updated estimate of such cost to the Commission as soon as practicable after the end of each month. In the event Santek's costs of providing the Commission such assistance exceeds \$140,000, or material changes are required in the preliminary or final plans and specifications by applicable government parties which increase Santek's estimated cost of construction of Phase 2 by more than five percent (5%), the parties agree to negotiate in good faith an

increase in the fees payable to Santek to reflect such additional costs.

(b) Upon the Commission's securing the Permit, Santek shall conduct the following activities at its sole cost and expense:

(1) Construct Phase 2 in accordance with the Permit and applicable laws;

(2) Furnish sufficient and appropriate personnel and equipment necessary for the lawful, workmanlike and efficient performance of the construction of Phase 2;

(3) Report to the Commission or its designee, at least monthly, the status of the design, engineering, construction of Phase 2 and any other relevant information reasonably requested by the Commission;

(4) Construct and install the appropriate facilities and other structures required under the Permit for the proper operation and maintenance of Phase 2; and

(5) Conduct any other pre-operational activity as required by the Permit for the proper operation and maintenance of Phase 2.

(c) Upon completion of the construction of Phase 2, Santek shall operate Phase 2 in accordance with the Permit and applicable law including, but not limited to, the following:

(1) Place, compact (to the extent practicable) and cover Solid Waste received at Phase 2 in accordance with the Permits and applicable law in a manner to best achieve

operating efficiencies and maximum obtainable densities, including such techniques as spoils disposal, relocation of roads and the sequencing of space utilization within each major disposal cell;

(2) Operate the entry gate and scale to Phase 2 in accordance with the Permit and applicable law, collect cash payments at the Landfill and pay any funds collected in cash to the Commission on a weekly basis, along with an appropriate accounting report of such funds; maintain daily usage records and report usage showing type and weight to the Commission daily via computer terminal; and deliver scale tickets to the Commission weekly;

(3) Provide to the Commission or its designee a copy of all reports filed with TDEC with respect to the status of Santek's operations and compliance with the Permits and maintain on the Site a copy of such reports as well as a copy of the Permits;

(4) Report to the Chair of the Commission or any other designated representative any violations of the Permit or applicable law with respect to which it has received notice, and with respect to such violations occasioned by acts or omissions of Santek, report all action taken or to be taken to correct such violations within seventy-two (72) hours after receipt of notice of violation and furnish to the Commission all written reports and evaluations of the operation of the

Landfill received by Santek from TDEC as a result of its inspections of the Landfill and the responses of Santek;

(5) Furnish sufficient personnel and all tools, materials and equipment necessary for the lawful, skillful and workmanlike operation of the Landfill including the presence of a experienced and qualified supervisor whenever the Landfill is open for operation;

(6) Test and analyze groundwater monitoring wells in conformance with the Permit;

(7) Install, maintain and monitor Landfill gas collection and control systems in conformance with the Permit;

(8) Maintain buildings, structures, and all other facilities, including the entry gate, scale, fences and other barriers, and other structures and improvements reasonably required for the operation of Phase 2 in accordance with the Permit or by the Tennessee Department of Health and Environment. The permanent structures and other improvements shall become the property of the Commission on the termination of this Agreement. Santek shall not be required to fence the Landfill;

(9) Pay normal and standard charges for all water, electrical power, natural gas, and phone service utilized at the Landfill;

(10) Maintain all roads on the Site;

(11) Provide a system for the collection and disposal of leachate released from Phase 2 at a cost not to

exceed \$150,000. This system may be a collect, pump and haul system or a force main system to the City of Loudon Wastewater Treatment Facility;

(12) Ensure that no scavenging or salvage operations are permitted at the Landfill unless (A) the person doing so has the approval of TDEC and the Commission, (B) such operations do not impede the normal routine disposal operations and (C) such operations are conducted by personnel working under the immediate and direct control of Santek;

(13) Ensure that no open burning is permitted unless specific approval of the Commission has been received. Notwithstanding the foregoing, Santek shall have the right to burn brush and other timber associated with the construction of new areas of the Landfill;

(14) Establish a citizens oversight committee comprised of neighbors to the Landfill and other members of the general public to provide input to the Landfill's development and operation and meet with this committee periodically and host Landfill tours on an as-needed basis. Santek shall have no authority to obligate or bind the Commission to any agreement with the committee including an agreement to take any action or to expend or pay any monies. Santek shall act solely in an advisory capacity. Any action or restraint of activity shall be the sole responsibility of Santek unless the Commission shall expressly agree to it;



(15) Any other obligation or activity required by the Permit as amended from time to time by the parties and applicable law and not specifically delegated to Santek pursuant to the terms hereof; and

(16) On or before September 1 of each year during the term of this Agreement, report to the Commission the compaction and density achieved and air space used during the preceding July 1-June 30 fiscal year as well as the remaining air space capacity of Phase 2 as of the end of such fiscal year. Santek may provide the same report it provides to TDEC in satisfaction of this requirement.

(d) During the term of this Agreement, the Commission shall be responsible for the following:

(1) Billing and collecting all charges (other than cash charges paid at the Landfill) for Landfill usage;

(2) Except as provided in subparagraph (3) below, all off-site utilities to and from the Landfill necessary for normal operations;

(3) The treatment and disposal of leachate released from the Landfill and, to the extent the cost of providing a system to do so exceeds \$150,000, paying for the cost of such system in excess of \$150,000. However, before commencement of construction of systems to treat and dispose of leachate, Santek shall provide to the Commission an estimate of the cost. If such cost does not exceed \$150,000, Santek may proceed without further Commission approval.

However, if the actual cost exceed \$150,000, Santek shall secure the Commission's written approval of such costs.

(4) Paying the fee imposed by the State of Tennessee on all Waste Material received by the Landfill, which is currently 85 cents per ton.

(5) If it should decide to do so, constructing a fence around the Landfill.

(e) So long as this Agreement is in full force and effect and the Commission shall not have exercised its rights to operate the Landfill as provided herein, the Commission agrees that Santek shall be the sole contractor operating the Landfill; and in the event Phase 2 is filled and closed prior to the end of the ten (10) year term, Santek shall design, construct and operate an extension in the same manner and upon the same terms and conditions as provided herein for the design, construction and operation of Phase 2. In the event the Commission decides to extend the Landfill by opening a new phase to handle Waste Materials which are not required to be placed in a Subtitle D Landfill, Santek agrees to design, construct and operate such extension in the same manner and upon the same terms and conditions (other than the amount of operating fee payable to Santek by the Commission) as provided herein for the design, construction and operation of Phase 2. The operating fee payable to Santek shall be the amount set forth in Section 5 hereof. In the event that during the term of this Agreement, the Commission decides to contract out waste reduction services, the parties hereto agree to negotiate in good faith with

each other for the provision of such services. However, the Commission shall not be precluded from bidding and accepting the bid of any provider for waste reduction services.

3. Materials to be Disposed Of.

Santek shall accept, upon payment of fees as scheduled, all permitted waste materials ("Waste Materials") consisting of Solid Waste (as defined herein), any Special Wastes (as defined herein) and any Industrial Waste (as defined herein) created within the jurisdiction of Loudon County or any similar waste stream for which the Commission has permitted disposal in the Landfill. "Solid Waste" shall mean (i) all waste defined as solid waste by the Solid Waste Disposal Act or regulations promulgated thereunder and (ii) all waste defined as solid waste by the Division of Solid Waste Management of TDEC having jurisdiction over solid waste generated within Tennessee, except that the term solid waste:

(a) is intended to mean and include only those substances which are normally expected to be disposed of by employing generally accepted sanitary Class I landfill disposal methods;

(b) shall exclude Hazardous Waste and Bio-Medical Waste (other than autoclave biomedical waste; and

(c) shall exclude radioactive waste and any radioactive sewage sludge.

"Special Waste" shall mean waste material that is not characterized as being either Hazardous Waste or Bio-Medical Waste, and is not

normally found in the household waste stream. Special waste is generally comprised of solid wastes that are difficult to handle, and which require special precautions because of the nature of the waste creates waste management problems in normal operations. Examples include asbestos, hospital wastes and sludges. "Industrial Waste" shall be defined to include Waste Materials and Special Wastes of an entity or person who produces more than five (5) tons of such Waste Materials per day. No hazardous waste as defined by the rules of health and environment, DSWN Chapter 1200-1-11 Governing Hazardous Waste Management in Tennessee will be accepted nor will toxic, volatile, nuclear or infectious materials be accepted. No liquid waste will be accepted. Special Wastes (as herein defined) which are hard to manage, or cause or could cause potential problems shall be disposed of in the Landfill only if approved by the Commission and special provisions are made for such disposal and are approved by the Department. Rule 1200-1-7.06 (2) (a) Item #10. Upon notice from the Commission or Commission Chair or the Commission's designated agent, Santek shall deny the entity or person designated in such notice the right to dispose of Waste Materials in the Landfill, whether for non-payment of charges or any other cause.

4. Daily Operations. Santek will keep the Landfill open a minimum of five and one-half (5-1/2) days per week during

the hours from 7:30 a.m. to 3:00 p.m. The Landfill will be closed for the following holidays:

New Years Day  
Memorial Day  
July 4  
Labor Day  
Thanksgiving Day  
Christmas Day

Santek shall provide all required daily services in operating and constructing the uncompleted and unfilled cell areas of the Landfill including all required covering operation of the current permit as set forth in the 1984 MCI plan (as existing at the time of this Agreement). Santek shall at its entire expense provide for the transportation and sale of recyclable material collected at the existing Loudon County Convenience Center. Santek shall further cooperate with the Commission in establishing similar convenience centers for use of the residents of Loudon County, and if additional convenience centers are established, Santek agrees to provide the necessary support as is currently being provided at the existing Loudon County Convenience Center. On or before the first of each year, Santek shall provide to the Commission its estimate of such cost of transporting and selling recyclable material based upon the cost incurred in the current year. However, if the cost to Santek of providing such transportation and sale exceeds \$4,000 per year, the Commission agrees to reimburse Santek by the amount the reasonable cost of transporting and selling recyclable material exceeds \$4,000 per year. Santek shall not be responsible for collecting, sorting, storing, or monitoring the quality of recyclable material which shall remain the sole responsibility of

the Commission. Santek shall not be responsible for recyclable materials not acceptable to potential purchasers. All soil and materials available at the Landfill shall be available for use by Santek as part of the services in operating and constructing the uncompleted and unfilled cell areas at no charge or fee adjustment to Santek.

5. Fees. The Commission shall have the sole authority to establish the tipping fee to be charged to users. Except for Industrial Waste placed in Phase 1 for which Santek should receive a fee of \$15 per ton and Waste Materials placed in the Unlined Phase (as herein defined), the Commission agrees to pay to Santek during each July 1 - June 30 ("Fiscal Year") an operating fee, subject to adjustment as hereinafter provided, based upon the amount of annual tonnage placed in the Landfill (excluding Industrial Waste placed in Phase 1 and Waste Materials placed in the Unlined Phase) as follows:

\$30.40 per ton on the first 54,600 tons of Waste Materials disposed of in the Landfill during such Fiscal Year

\$27.21 per ton on the next 13,650 tons of Waste Materials disposed of in the Landfill during such Fiscal Year

\$27.54 per ton on the next 13,650 tons of Waste Materials disposed of in the Landfill during such Fiscal Year

\$24.84 per ton on the next 13,650 tons of Waste Materials disposed of in the Landfill during such Fiscal Year

\$24.63 per ton on the next 13,650 tons of Waste Materials disposed of in the Landfill during such Fiscal Year

\$23.84 per ton on all tons of Waste Materials disposed of in the Landfill during such Fiscal Year in excess of 109,200 tons

In the event the Commission opens a new phase of the Landfill to handle Waste Materials which are not required to be placed in a Subtitle D Landfill ("Unlined Phase"), the Commission agrees to pay to Santek an operating fee during each Fiscal Year, subject to adjustment, as hereinafter provided, based upon the amount of annual tonnage placed in such Unlined Phase determined as follows:

Until the aggregate tonnage of Waste Materials disposed of in Phase 2 and the Unlined Phase during any Fiscal Year amounts to 40,950 tons, \$17.50 per ton

\$13.98 on the next 13,650 tons of Waste Materials disposed of in the Unlined Phase during such Fiscal Year

\$11.85 on the next 13,650 tons of Waste Materials disposed of in the Unlined Phase during such Fiscal Year

\$11.36 on the next 13,650 tons of Waste Materials disposed of in the Unlined Phase during such Fiscal Year

\$10.22 on the next 13,650 tons of Waste Materials disposed of in the Unlined Phase during such Fiscal Year

\$9.66 on the next 13,650 tons of Waste Materials disposed of in the Unlined Phase during such Fiscal Year

\$9.27 per ton on all tons of Waste Materials disposed of in the Unlined Phase during such Fiscal Year in excess of 109,200 tons

If Special Wastes are disposed of at the Landfill, such extraordinary items shall be disposed of at a negotiated tipping fee not less than the operating fee in effect at the time for Phase 2 or Unlined Phase, as the case may be, for the type of Waste Materials being disposed of.

Commencing on July 1, 1996 and on each subsequent anniversary ("Anniversary Date"), the fee payable to Santek shall be adjusted and revised based upon the Municipal Cost Index as

published in the monthly issue of American City and County magazine to reflect changes in effect from April 1, 1994 as the base, in accordance with the following formula:

New rate = [prior rate] x (1 + (Mn-Mi)/Mi)  
Where prior rate is equal to the rate in effect at the adjustment date, Mi is the Municipal Cost Index on the designated beginning date of the adjustment period and Mn is the Municipal Cost Index on the adjustment date.

As soon as possible after each Anniversary Date, Santek shall send to the Commission a statement setting out the prior rate, a Municipal Cost Index on a beginning date, a Municipal Cost Index on the adjustment date and the percentage increase.

Santek shall be entitled to an automatic increase in the fee equal to the amount of (i) any fee, surcharge, duty, tax or other charge of any nature imposed by the federal government, any agency thereof, the State of Tennessee, any agency thereof, or by any local government agency which is directly related to the Landfill and which is directed to or assessed against Santek, Phase 2, the Permit, or the Commission, whether as owner or permittee and which is payable solely by reason of the nature of the operations conducted by Santek and (ii) any other sales or service taxes of general application to the operation of Phase 2. Fees, surcharges, duties and taxes imposed upon all corporations in general shall not be the basis for a automatic increase in the operating fee payable to Santek. Fines, penalties, personal property taxes and business licenses shall not be considered to constitute a fee, surcharge, duty, tax or other charge for the



purposes of an increase in the fee. Such fee, surcharge, duty, tax or other charge may be passed through to all users by the Commission in the form of a tipping increase.

If SanteK determines that the cost of construction of Phase 2 as permitted will increase by reason of the existence of solid rock or other unanticipated physical site characteristics such as karst terrain or if SanteK determines that its cost of operating the Phase 2 will increase by reason of changes (after the date of this Agreement) in federal, state or local environmental or other law or regulations concerning the receipt, transportation, disposal or handling of Waste Material at the Landfill, whether or not such change causes enhancement in the Landfill, SanteK shall promptly notify the Commission in writing and request that the Commission's increase its operating fee to reflect the increased construction cost and/or changes in the costs of its operations resulting from such physical problems or changes in law or regulation. If the Commission is in agreement with the amount of increase in operating fee requested by SanteK, SanteK shall be entitled to receive such increased operating fee. In the event that SanteK and the Commission are unable to agree on the amount to be paid by the Commission to SanteK by reason of any increase in construction or other similar cost to SanteK or by reason of an increase in the operating cost, the parties shall attempt in good faith to resolve any dispute by negotiations. If the matter has not been resolved within forty-five (45) days of either party's request for negotiation, either party may initiate mediation under

the Center for Public Resources ("CPR") Model Procedure for Mediation of Business Disputes in effect on the date of this Agreement. The mutual third party shall be selected from the CPR Panels of Neutrals, with the assistance of CPR, unless the parties otherwise agree. If the dispute has not been resolved by such non-binding means as provided herein with ninety (90) days of the initiation of such procedure, either party may institute litigation on ten (10) days notice to the other party; provided, however, that if one party has requested the other to participate in mediation and the other has failed to participate, the requesting party may initiate litigation before the expiration of such period. Any applicable statute of limitations and defenses based upon the passage of time shall be tolled while the mediation procedures specified in this Section are pending. The parties shall take such action, if any, required to effectuate such tolling. Notwithstanding the foregoing, if the estimated increase in the cost of construction is twenty percent (20%) more than the original estimated cost of construction, which for the purposes hereof shall be \$126,000 per acre times the number of acres included in Phase 2 ("Original Estimated Cost"), the Commission shall not be obligated to pay to Santek any increase in its operating fee in excess of the amount of increase Santek is entitled to receive as a result of a twenty percent (20%) increase in such construction cost. On the other hand, if the estimated increase in the cost of construction is twenty percent (20%) more than the Original Estimated Cost, Santek shall not be obligated to complete the construction of

additional cells in Phase 2, but may terminate this Agreement upon filling the existing cells by thirty (30) days written notice to the Commission.

Within five (5) days following the end of each month, Santek shall submit a report to the Commission showing the usage of the Landfill including total tons of Waste Material during the previous month as well as the amount of industrial waste and sludges. The Commission shall remit to Santek the fees due to Santek by the later of the 10th of each month or five (5) business days after its receipt of such report.

If in the event that, during any 12-month period less than 43,134 tons of Waste Materials are received for placement in Phase 2 of the Landfill, the Commission agrees to pay to Santek the difference between the amount the Commission would have otherwise paid to Santek if 43,134 tons of Waste Materials had been received for placement in the Phase 2 of the Landfill, and the fee that Santek actually received for the tons of Waste Materials actually placed in Phase 2.

6. Post-Closure Care. During the term of this Agreement, Santek shall perform post-closure care of Phase 1 in accordance with the Phase 1 Closure-Post Closure Plan and of Phase 2 as cells are filled and closed in accordance with the post-closure plan submitted to and approved by TDEC. The Commission shall be responsible for providing the financial assurance in order to obtain a waiver of the post-closure surety bond or shall, at its own cost and expense, obtain a post-closure surety bond as required

by applicable law. After the termination of this Agreement, the Commission shall be solely responsible for all post-closure care.

7. Warranties and Representations by Santek. Santek represents and warrants to the Commission that Santek is fully qualified and capable, and has adequate financial resources, to fulfill and perform all of its obligations under this Agreement, and that it will fully comply with and observe all applicable governmental laws and regulations and meet or exceed all standards and requirements of the aforementioned "1984 MCI Original Plan" in existence upon the date of execution of this Agreement and as heretofore modified.

8. Indemnification.

(a) Santek agrees to indemnify and hold harmless the Commission, its officers, agents and employees from, against, and with respect to any loss, cost or damage suffered by it, or any claim or obligation asserted against it, by reason of or on account of any act or omission of Santek, officers, agents, employees, express invitees or invitees by implication or subcontractors, or on account or by reason of any condition of the Landfill created or aggravated by Santek or any of its officers, agents, employees or subcontractors, provided, however, notwithstanding anything to the contrary herein, Santek shall not have any liability or be responsible for or required to indemnify the Commission for any loss, cost or damage suffered by the Commission or any claim or obligation asserted against the Commission arising from (i) the operation of or condition of the Landfill prior to the date Santek

assumed responsibility for its operation, (ii) actions directly attributable to the Commission, its officers, agents and employees, (iii) the cessation of operations and/or closure of the Landfill by reason of actions which are not attributable to Santek, its officers, agents, employees and subcontractors or (iv) the slow and gradual release or escape of pollutants, including leachates and methane gas from the Landfill unless (A) in the case of the gradual release or escape of pollutants from Phase 1 and methane gas from Phase 2, it is established by competent evidence that such release or escape of pollutants have been caused by the acts or omissions of Santek, its officers, agents, employees or subcontractors which are negligent or constitute wilful misconduct or (B) in the case of the gradual release or escape of pollutants from Phase 2 other than methane gas, it is established by competent evidence that such release or escape of pollutants have been caused by the acts or omissions of Santek, its officers, agents, employees or subcontractors.

(b) The Commission, agrees to indemnify and hold harmless Santek, its officers, agents, employees and subcontractors from, against and with respect to any loss, cost or damage suffered by Santek or any claim or obligation asserted against Santek, arising from (i) the operation, use or closure of the Landfill by any person or entity other than Santek, (ii) a condition existing at the Landfill prior to the date Santek began its operation of the Landfill or (iii) the slow and gradual release or escape of pollutants, including leachates and methane gas from the Landfill

unless (A) in the case of the gradual release or escape of pollutants from Phase 1 and methane gas from Phase 2, it is established by competent evidence that such release or escape of pollutants have been caused by the acts or omissions of Santek, its officers, agents, employees or subcontractors which are negligent or constitute wilful misconduct or (B) in the case of the gradual release or escape of pollutants from Phase 2 other than methane gas, it is established by competent evidence that such release or escape of pollutants have been caused by the acts or omissions of Santek, its officers, agents, employees or subcontractors.

9. Delivery of Waste. During the term of this Agreement, Santek shall not have any responsibility for picking up and delivery Waste Materials to the Landfill. The Commission agrees to use its best efforts to cause the City of Lenoir City, County of Loudon and City of Loudon to deliver all residential Waste Material on its collection vehicles to the Landfill. Title to waste shall vest, as it is deposited, in the owner of the fee simple estate of the Landfill.

10. Term. The Term of this Agreement shall commence upon its effective date and continue for the ten-year period from April 5, 1994 through March 31, 2004, unless earlier terminated as otherwise provided herein. This Agreement shall be automatically renewed for an additional one (1) year term following the end of the initial ten (10) year term or any extended one (1) year term unless notice is given by either party hereto that such party does not intend to extend this Agreement, which notice shall

be given no later than sixty (60) days prior to the end of the then existing term of this Agreement. Upon the final revocation of the Permit issued by TDEC for the operation of Landfill, this Agreement shall terminate. At the same time, upon the final denial of any Permit requested by Santek or the Commission in order to enlarge the Landfill, the term shall be for a period equal to the time necessary to fill and complete the permitted area of the Landfill. In the event that the payments by the Commission to Santek under the provisions of the last paragraph of Section 5 exceed \$500,000 in the aggregate and amount to not less than \$10,000 during the preceding 12-month period, then the Commission shall have the right to terminate this Agreement by sixty (60) days notice to Santek. On the other hand, in the event less than 54,600 tons of Waste Materials are disposed of in the Landfill in each of two consecutive years, Santek shall have the right to terminate this Agreement by sixty (60) days written notice to the Commission. In the event of the termination of this Agreement for any reason prior to the end of its stated term, the Commission shall reimburse Santek for its unamortized construction costs which shall be determined by multiplying the number of lined acres in Phase 2 times \$126,000 per acre and then multiplying the product thereof by the percentage of unfilled capacity in the lined acres of Phase 2. If the Commission believes that this Agreement will be terminated by Santek pursuant to the provisions of this Section 10, the Commission shall have no duty or responsibility to develop the remaining acreage in the Landfill.

11. Compliance with Laws. During the term of this Agreement, Santek shall operate the Landfill in compliance with the Permit and all applicable laws, rules, regulations, specifications and approved operational plans of the State of Tennessee. This shall include but not be limited to Rule 1200-1-7.04 of TDEC and Subpart C of 40 CFR 258. Notwithstanding the foregoing, the Commission shall be responsible for compliance with respect to such portion of the operation of the Landfill for which it has an obligation under this Agreement.

12. Letter of Credit. Santek shall obtain an irrevocable letter of credit to secure the faithful performance of its obligations to construct Phase 2 and its obligation to operate Phase 2. The irrevocable letter of credit shall be provided by a bank licensed by the FDIC and doing business in the State of Tennessee and shall be in an amount equal to \$125,000, with the cost or expense of such letter of credit to be paid by Santek. Such letter of credit shall provide for Commission to draw against the letter of credit such funds as are necessary to reimburse Commission for actual costs or expenses incurred by Commission as the result of a breach of this Agreement provided the Commission shall have incurred cost or expenses as a result of said breach; written notification of such breach shall be given to Santek by certified mail with a return receipt providing Santek with fifteen (15) days to cure said breach; Santek shall fail to cure such breach during the cure period; and an affidavit shall be executed by the Chair of the Commission specifying the breach by Santek, the



costs or expenses incurred by Commission, the fact that all requirements of the preceding have been complied with by Commission and that Commission is entitled to draw against the letter of credit. The Commission shall only be entitled to draw against the letter of credit those actual costs or expenses incurred by the Commission. Actual costs or expenses shall include any penalties paid by Commission directly attributable to acts of Santek, expenses paid to correct any breaches of this Agreement by Santek, expenses paid to correct any matters warranted by Santek and not paid during the warranty period, and rent on any equipment obtained by Commission which is necessary to operate the Landfill and the compensation paid to the operators of such equipment in the event Santek fails or refuses to operate the Landfill during the term of this Agreement (such rent shall be limited to a period reasonably necessary to purchase said equipment by Commission but in no event shall Commission be entitled to reimbursement for rent for more than sixty (60) days). Actual costs or expenses shall not include the cost of purchasing equipment to resume operations of the Landfill by Commission.

13. Worker's Compensation and Public Liability Insurance. Except for professional liability insurance which shall be procured and placed in effect within sixty (60) days after the effective date of this Agreement, Santek shall procure and maintain, at its own cost and expense, the following insurance coverages in the minimum amounts specified below during the term of this Agreement:

(a) Professional Liability Insurance. Professional liability insurance for the engineering and design services provided hereunder in an amount not less than \$1,000,000 provided, however, if the cost of such insurance exceeds \$20,000 per year, the Commission agrees to negotiate in good faith with Santek an increase in fee set forth in Section 5 to cover such cost in excess of \$30,000.

(b) Worker's Compensation Insurance. Contract worker's compensation insurance on all of its employees to be engaged in work under the provisions of this Agreement and for all of its subcontractors. Santek shall provide to the Commission certification of workers compensation insurance by each subcontractor before permitting each subcontractor to begin work on the Landfill.

(c) Comprehensive General Liability Insurance. Comprehensive general liability, public liability and property damage insurance with pollution exclusion in an amount not less than \$1,000,000 per occurrence and \$1,000,000 in the aggregate.

(d) Automobile Insurance. Comprehensive automobile liability insurance in an amount not less than \$1,000,000 for injuries, including death, to any one person and not less than \$1,000,000 on account of one accident and automobile property damage insurance in an amount not less than \$300,000.

Santek shall keep the required insurance in full force and effect at all times during the term of this Agreement and any renewals thereof, and Santek shall have the Commission named as an

additional insured of all policies to the extent covered losses are caused by the negligence or willful misconduct of Santek, its employees and servants. Santek shall also cause such policies to contain a provision providing that the coverage may not be cancelled without the insurer giving the Commission ten (10) days prior notice of cancellation. Santek shall effectuate such insurance coverage with insurance companies licensed to transact business in the State of Tennessee. Santek shall further furnish to the Commission a certificate of insurance or a copy of the insurance policies affording such coverage, in order to satisfy the Commission that it has obtained the required insurance coverage.

14. Standard of Performance. Notwithstanding the provisions of Section 12, if Santek fails to dispose of the Waste Material as herein provided for a period in excess of three (3) consecutive working days or fails to operate the site for a similar period, the Commission may, at its option, after sending written notice to Santek, as provided hereinafter, take over and operate the Landfill using any or all of Santek's equipment used in carrying out this Agreement, and the Commission may provide for such operation until such matter is resolved and Santek is again able to operate. Any and all operating expenses incurred by the Commission in so doing may be deducted by it from compensation payable to Santek hereunder. During such period, the liability of the Commission to Santek for loss or damage to such equipment so used shall be that of a bailee for hire, ordinary wear and tear is specifically exempt from such liability, and the liability of

Santek to third persons shall cease and all claims or demands arising out of the operation and/or control of the Landfill shall be directed solely to the Commission. Santek shall not be liable to the Commission, and the Commission shall indemnify and protect Santek against liability to third parties, on account of any act or omission of the Commission or its agents, employees, or subcontractors, occurring during any period in which the Commission is operating the Landfill under this Section 18 of this Agreement. If Santek is unable for any cause to resume performance at the end of thirty (30) working days, all liability of the Commission under this Agreement shall cease and the Commission shall be free to negotiate with other contractors regarding the operation of the Landfill. If Agreement with another contractor is reached, this shall not release Santek herein of its liability to the Commission of breach of this Agreement. Notwithstanding the foregoing, the Commission shall not be entitled to assume operation of the Landfill and Santek shall not have any liability to the Commission if such failure is due to war, insurrection, riot, Act of God, or any other cause or causes beyond the control of Santek and the Commission.

15. Landfill Inspection. The Commission or its designated agent shall have the right to inspect the Landfill during normal construction and operating hours and at such other times as may be deemed necessary to protect the interests of the Commission. This right to inspect and audit the Landfill includes, but is not limited to the inspection of loads, scales, monitoring

records, records Santek is required to maintain, including injury and environmental incident reports and such other environmental or contractual compliance related records as the Commission deems necessary or as required by applicable regulatory authority. During groundwater or other monitoring, the Commission may have a representative present to inspect Santek's procedures and to receive split samples for independent testing, at Commission's expense. In addition to the foregoing, the Commission shall have the right, on prior written notice to Santek, to request Santek to conduct such procedures and acquire such samples from Permit monitoring points, including groundwater and gas monitoring wells, at such times and in such manner as it deems necessary, provided any such discretionary inspections (not required by Permit) shall not interfere with Landfill operations and shall be at the Commission's sole cost and expense. In order to insure that the Landfill meets or exceeds all contractual obligations, the Commission shall have the right to review and approve (which approval shall not be unreasonably withheld) all proposed design, construction and operational plans, permit applications or other documents that are submitted to State or federal agencies, including requests for modifications, addenda or other additions. Santek shall provide all such information and supporting data requested for review.

16. Santek's Personnel.

(a) Santek shall assign a qualified person or persons to be in charge of its operations at the disposal site and shall inform the Commission of said persons' identity.

(b) Santek agrees to abide by all applicable Federal, State and local laws and regulations pertaining to employment, employee selection, compensation, and associated matters as relates to the operation of the project.

(c) All Santek employees will receive special training in the overall operations of the Landfill as well as in their specialized assignments. This operational training, as well as landfill operational safety training, will be provided on a sustained and continuing basis.

(d) There will be periodic safety meetings of all Santek employees for accident control. The facility will be equipped with fire extinguishers, including a fire extinguisher at the shop. These will be maintained on a regular basis to prevent accidental discharge.

17. Assignment. No assignment of this Agreement or any right occurring under it shall be made in whole or in part by Santek without the express written consent of the Commission. In the event of any assignment the assignee shall assume the liability of Santek, but such assumption shall not release Santek from primary liability for performance of this Agreement and any breach hereof.

18. Financial Statements. Santek shall cause an independent accounting firm to prepare as soon as practicable after the end of each calenday year during the term of this Agreement reviewed financial statements of Santek consisting of a balance sheet and footnotes, and upon receipt of such financial statements, Santek shall file a copy of them with the Commission.

19. Bankruptcy. This Contract shall terminate in the case of bankruptcy, voluntary or involuntary, or insolvency of Santek. In the case of bankruptcy, such termination shall take effect on the day and at the time the bankruptcy is filed.

20. Number of Copies. This Agreement may be executed in two (2) counterparts, all of which shall have the full force and effect of an original for all purposes.

21. Law to Govern. This Agreement shall be governed by the laws of the State of Tennessee, both as to interpretation and performance.

22. Modification. This Agreement constitutes the entire Agreement and understanding between the parties hereto, and it shall not be considered modified, altered, changed or amended in any respect unless in writing and signed by the parties hereto.

23. Right to Require Performance. The failure of the Commission at any time to require performance by Santek of any provisions hereof shall in no way affect the right of the Commission thereafter to enforce same. Nor shall waiver by the Commission of any breach of any provision hereof be taken or held

to be a waiver of any succeeding breach of such provisions or as a waiver of any provisions itself.

24. Point of Contact. All dealings, contacts, etc. between Santek and the Commission regarding Landfill matters shall be directed by Santek to the Chair of the Commission or such other person designated by the Commission. Commission shall provide to Santek at Santek's principal office in Bradley County, a copy of all letters, notices, and other written forms of communication received by Commission from the State of Tennessee or any other governing body which documents concern the disposal site and/or Santek. A copy of such documents shall be hand delivered or mailed to Santek with sufficient postage thereon as follows:

Kenneth D. Higgins, President  
Santek Environmental, Inc.  
1306 South Lee Highway  
Cleveland, TN 37311

Santek shall also provide to the Chair of the Commission a copy of all such letters, notices, and other written forms of communication received by Santek which documents concern the disposal site. Both Santek and Commission agree to hand deliver or mail such copies to the other party pursuant to the terms of this section within three (3) days of receipt of such documents.

25. Illegal Provisions. If any provisions of this Agreement shall be declared illegal, void, or unenforceable, the other provisions shall not be affected and shall remain in full force and effect.

26. Notice. A letter addressed and sent by certified United States mail or hand delivered to either party at its



business address shown hereinabove shall be sufficient notice whenever required for any purpose in this Agreement.

27. Effective Date. The effective date of this Agreement is April 5, 1994, and the date which Santek assumed operational control of the Landfill was July 15, 1988.

GOVERNING BODY: Loudon County Solid Waste Disposal Commission

BY: Wayne Folbert  
Title: Chair, LCSWDC

OPERATOR: Santek Environmental, Inc.

BY: Kenneth D. Higgins  
Kenneth D. Higgins  
President

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774  
(615) 966-6097  
BETH BURKLIN

JANUARY 21, 1995

ELIZABETH BLACKSTONE  
L&C TOWER, 14th FLOOR  
401 CHURCH STREET  
NASHVILLE, TENNESSEE 37243

Dear Ms. Blackstone,

I have enclosed 10 copies of the County Commission minutes and resolution approving the Loudon County 10-Year Plan. These need to be added to Appendix E of the plan. I have also enclosed 10 copies of the chapter affected by those minutes (County Commission has requested specific wording). I apologize for not submitting the plan complete, but we felt it was better to submit it as soon as possible so as not to incur penalties, and send this final document when it became available. I would like to apologize again for any inconvenience this may cause. If there are any problems with this, please call me at the number listed above. Thank you for your time and attention.

Sincerely,

Beth Burklin



# County of Loudon

GEORGE M. MILLER

COUNTY EXECUTIVE

100 RIVER RD. #106

LOUDON, TENNESSEE 37774

PH. 458-4664

November 22, 1994

Mr. Paul Evan Davis  
State of Tennessee  
Department of Environment and Conservation  
Solid Waste Assistance  
401 Church Street  
Nashville, TN 37243

Dear Mr. Davis:

Mr. Wayne Tolbert, Loudon County Solid Waste Commission, recently contacted my office concerning a correction in the minutes of the September 13, 1994 Loudon County Commission Meeting. According to the minutes of the meeting, the Solid Waste 10 Year Plan was only discussed. Due to an oversight when the minutes were approved they were adopted with this error. I will ask that the County Commission consider a correction at the next County Commission Meeting on December 5, 1994, which reads:

"The Ten Year Plan, proposed by the Solid Waste Disposal Commission was passed with the amendment that a committee be formed to investigate the possibility of creating a local approval process for any new applications for industrial or commercial waste streams that require state approval".

I feel sure this correction will be approved as proposed.

Sincerely,

*George M. Miller*  
George M. Miller

CC: Mr. Wayne Tolbert



PUBLIC HEARING-COUNTY COMMISSION MEETING

DECEMBER 5, 1994

Amendments To Zoning Resolutions (and comments concerning them.)  
Rezone Property on Richey Road  
Rezone property on Roberson Springs Road and Holt Drive  
(Comments)  
Rezone property at 15222, Highway 70E

CALL TO ORDER (Call to Order, Invocation, Roll Call)

READING AND ACCEPTANCE OF MINUTES (December 5, 1994)  
Amendment of Minutes (Comm. Duff and Bivens)

1. No Visitors Comments
2. Nomination and confirmation of appointment of Mr. Richmond Kennedy to fill constable vacancy in District 2.
3. Report concerning selection and confirmation of name from Courthouse Annex Committee.
4. Appointment of Commissioner Bivens and Mr. Sidney Mayes to the Loudon County Solid Waste Disposal Commission.
5. Appointment of Mr. Bobby Lewis to the E-911 Board.
6. Appointment of Commissioner Ledbetter to the Loudon County Chamber of Commerce.
7. Permission from Commission to draft Resolution withholding money from State of Tennessee for new National Guard Armory.
8. Resolution to correct County Commission Meeting of Sept. 13, 1994 Re: Solid Waste 10 Year Plan.
9. Appointment of Committee to study possibility of scheduling a City/County Conference.
10. Nancy Richesin--No additional recommendations from Budget Committee.
11. Attorney Sproul--report on resolved lawsuit involving County.
12. Building Commissioner--Doug Lawrence's report
13. Mr. Pat Phillips reports on:  
Amendment to the Zoning Resolution of Loudon County, Tennessee, to rezone property on Richey Road referenced by Tax Map 64, Parcels 13.03 and 13.04, from A-2, Rural Residential, to O-1, Office Professional.
14. Consideration of amendment to the Zoning Resolution of Loudon County, Tennessee, to rezone property on Roberson Springs Road and Holt Drive referenced by Tax Map 52, Parcel 4.01, and Tax Map 43-M, Parcel 19, from A-2, Rural Residential, to R-1, Single Family Residential and to include the R-E, Single Family Exclusive Overlay.
15. Consideration of amendment to the Zoning Regulations of Loudon County, Tennessee, to rezone property at 15222 Hwy 70E, referenced by Tax Map 8, Part of Parcel 45, from R-1, Suburban Residential to C-2, General Commercial.  
(Recommended by the Lenoir City Planning Commission and County Regional Planning Commission to rezone to O-1, Office Professional.)

Page 2, Directory-County Commission Meeting-Dec. 5, 1994

16. Don Palmer, Road Commissioner--Closing of 240 Ft.--Huffs Ferry Road.
17. Howard Luttrell--Purchasing Agent--Report on Sound System.
18. Doug Berry--Industrial Dev.--Approval to sale 2.1 acres at Blair Bend Industrial Park to Lockhart Aluminum.
19. Permission to move zoning issues to beginning of agenda.
20. Moving of Jan. 2, 1995, County Commission Meeting to Jan. 9, 1995.
21. Bond Applications
22. Notary approvals
23. Adjournment

PUBLIC HEARING

COUNTY COMMISSION MEETING

DECEMBER 5, 1994

A Public Hearing was held at the Loudon County Courthouse on December 5, 1994, 7:00 P.M. for the purpose of:

AMEND. TO  
ZONING RES.  
RICHEY RD.      Amendment to the Zoning Resolution of Loudon County, Tennessee, to rezone property on Ritchey Road referenced by Tax Map 64, Parcels 13.03 and 13.04 from A-2, Rural Residential, to O-1, Office Professional. There was no comment on this issue.

AMEND. TO  
ZONING RES.  
ROBERSON SP.  
RD. & HOLT D.      Amendment to the Zoning Resolution of Loudon County, Tennessee, to rezone property on Roberson Springs Road and Holt Drive referenced by Tax Map 52, Parcel 4.01, and Tax Map 43-M, Parcel 19, from A-2, Rural Residential, to R-1, Suburban Residential.

COMMENTS-  
CITIZENS  
ABOVE ZONING  
CHANGES  
(ROBERSON SP.  
& HOLT DR.      Mr. C. Downey, developer, and Mr. Ward of M.J. Ward and Assoc. both addressed the Commission to speak in favor of the proposed Amendment to the Zoning Resolution. Mr. Downey assured homeowners in the area that houses would be of at least 1400 square feet and told of other amenities that would be provided by the developer. Mr. Ward assured property owners that sewer service, size of homes, traffic problems had been addressed by the developers. He discussed potential water problems (water run-off) and assured property owners that the problem has been addressed.

Mr. Rick Snider, Mr. Ted Sitzler, Ms. Terry Snider and Mr. Terry Barnes addressed the Commission with their concerns about: downsizing of lots, water runoff problems, potential road congestion, size of homes in relation to lot size, and other concerns that would result if the zoning regulations are amended.

AMEND. TO  
ZONING RES.  
15222 HWY.  
70 E.      Amendment to the Zoning Regulations of Loudon County, Tennessee, to rezone property at 15222 Hwy 70E, referenced by Tax Map 8, Part of Parcel 45, from R-1, Suburban Residential to C-2, General Commercial.

COMMENTS-  
CITIZEN ON  
ABOVE      Mr. John Marius, owner of the property, addressed the Commission to explain that at this time the property was rezoned residential but he would like to have it changed for future development plans. He stated the notice to rezone had been posted since October 1994, with no objection from anyone.

PUB. HEAR.  
ADJOURNED      There being no one else wishing to speak, the Public Hearing was adjourned.

COUNTY COMMISSION MEETING

Be it remembered that the Loudon County Legislative Body met in regular session on December 5, 1994 with the Chairman, Roy Bledsoe presiding, County Court Clerk, Riley D. Wampler, and County Executive, George M. Miller were present whereupon Sheriff Tim Guider opened Court, led the pledge of Allegiance to the Flag and presented Mr. Jim Akins who gave the Invocation.

On Roll Call the following Commissioners were present:

Bledsoe	Maples	Park
Bivins	Ledbetter	Duff
Randolph	Masingo	Twiggs

AMENDMENT OF  
MINUTES-CO.  
COMM. MEET.  
11-7-94

The minutes of November 7, 1994 were adopted with the following amendments: Commissioner Duff requested the minutes reflect, on initial Roll Call of the Commissioners, that he was present. Commissioner Bivens asked that the minutes be amended to show that she had objected to a vote being taken before a public hearing was held on the removal of the Flowage Easement at Sugar Limb Industrial Park. She also requested that it be noted that Attorney Sproul stated that the land could not be sold without County Commission approval.

(1)  
NO CIT. SPEAK No citizens wished to address the Commission.

(2)  
CONFIRM. OF  
R. KENNEDY TO  
CONSTABLE -  
DIST. 2 Mr. George Miller, County Executive, announced that there was a vacancy in the office of Constable from the second Legislative District (due to the resignation of Mr. Tony McCarrell). He asked the Commissioners if anyone had a candidate's name that they would like to submit. Commissioner Ledbetter stated that she would like the Commission to consider appointing Mr. Richmond Kennedy to fill the vacancy, and made that motion with Commissioner Maples seconding the motion. There being no further nominations, the vote was taken with all commissioners voting in favor.

(3)  
COURTHOUSE  
ANNEX NAME  
SELECTION Mr. Miller then requested a report from the committee appointed to recommend a name for the new courthouse annex. Commissioner Maples, Chairperson, (Commissioners Park and Twiggs also served on the Committee) reported the name the Committee suggests is "Loudon County Courthouse Annex". Commissioner Maples made the motion to accept the name selected, with Commissioner Park seconding the motion. The results of a roll call vote being:

Bivins	Yes	Park	Yes	Masingo	No
Randolph	No	Twiggs	No	Bledsoe	Yes
Maples	Yes	Ledbetter	Yes	Duff	Yes

Motion carried: Yes--6 No--3

(4)  
APPT. OF  
COMM. BIVENS  
AND SIDNEY  
MAYES TO  
SOLID WASTE  
DISPOSAL  
COMMISSION

Mr. Miller requested the Commission consider two appointments to the Loudon County Solid Waste Disposal Commission, one created by the resignation of Mr. Frank Kamel. Mr. Miller suggested the Commission consider his nomination of Commissioner Twiggs (Mr. Twiggs had earlier resigned his position on the Solid Waste Commission--as a County Commission representative.) After much discussion Mr. Miller agreed, if it be the wish of the Commission, to submit another name. He presented the name of Mr. Sidney Mayes for their consideration (a citizen from district five). Commissioner Twiggs made the motion that he be approved, with a second from Commissioner Maples. The result of the roll call vote to appoint Mr. Mayes was:

Randolph	No	Bledsoe	Yes	Park	Yes
Bivens	No	Maples	Yes	Duff	Yes
Ledbetter	Yes	Masingo	Yes	Twiggs	Yes

Mr. Miller nominated Commissioner Randolph to fill the unexpired term of Commissioner Twiggs. Commissioner Randolph declined the appointment, at the present time. Commissioner Twiggs suggested to the Commission that Commissioner Bivens be appointed, and made that motion, which was seconded by Commissioner Maples.

The results of a roll call vote:

Bivens	Yes	Ledbetter	Yes	Duff	Yes
Randolph	Yes	Masingo	Yes	Bledsoe	Yes
Maples	Yes	Park	No	Twiggs	Yes

Motion carried--8-Yes, 1 No.

Mr. Miller communicated to the Commission his concern that the appointment of Commissioner Bivens to this Committee should have, according to the intergovernmental agreement, been made by the County Executive. He agreed, since it was the apparent wish of the Commission to appoint Commissioner Bivens, that he was willing to nominate her for this position. Commissioner Twiggs made a motion that the Commission accept his recommendation with Commissioner Maples seconding the motion. All voted in favor.

Attached as Resolution # 125-94 Exh. # A.

(5)  
APPT. OF  
BOBBY LEWIS  
TO E-911  
BOARD

Mr. Miller appointed Mr. Bobby Lewis to the E-911 Board. He will be replacing Mr. Howard Luttrell. Commissioner Park made the motion that Mr. Lewis be accepted with Commissioner Maples adding a second to the motion. All voted in favor. Hereby attached as Resolution # 125-94, Exhibit # B.

(6)  
APPT. OF  
COMMISSIONER  
LEDBETTER TO  
CH. OF COMM.

The next item on the agenda was the appointment of Commissioner Ledbetter as the Commission Chamber of Commerce representative. She is replacing Commissioner Randolph (who had earlier declined the appointment). The motion that she be appointed was made by Commissioner Masingo, and seconded by Commissioner Park. All voted yes. Hereby attached as Resolution # 125-94, Exhibit # C.

(7)  
RES. TO  
WITHHOLD  
MONEY FROM  
STATE FOR NEW  
NAT. GUARD  
ARMORY

The Commission agreed to draft a Resolution, to be attached to the minutes, concerning the new National Guard Armory. The Resolution would basically state Loudon County's position in withholding an amount sufficient to fund payment to Mr. Jim Miller, an environmental contractor. He was hired by the County to clean-up the fuel oil spill that occurred during construction. The resulting cleanup expense was approximately \$40,000. The County is withholding this amount from the \$150,000 they owe the State of Tennessee for the County's initial agreement of its contribution to the construction. Since the spill was due to the negligence of the contractor, the County feels justified in deducting those funds necessary to pay the cleanup contractor.

Commissioner Park made the motion that the County withhold funds (as per the Budget Committee's recommendation) for the cleanup cost and send the remainder of the money to State of Tennessee, and that a Resolution be drawn to state the Commission's position. The motion was seconded by Commissioner Duff. On roll call, all Commissioners voted in favor.

Randolph	Yes	Masingo	Yes	Park	Yes
Bivens	Yes	Bledsoe	Yes	Twiggs	Yes
Maples	Yes	Ledbetter	Yes	Duff	Yes

The above drafted Resolution is attached as # 125-94, Exhibit # D.

(8)  
RES. TO CORR.  
MINUTES OF  
9-13-94- RE:  
SOLID WASTE  
10 YR. PLAN

Due to an error in the minutes of the September 13, 1994, County Commission Meeting, it was brought to the attention of the County Executive, that the minutes of the meeting stated the Solid Waste 10 Year Plan had been discussed rather than approved. The following Resolution was submitted, and a motion that it be accepted was made by Commissioner Twiggs with Commissioner Ledbetter seconding the motion. All voted in favor of the Resolution attached here as: # 125-94, Exhibit # E.



- (9) Commissioner Park inquired as to the results of scheduling a City and County Conference. Mr. Miller appointed a committee comprised of: Commissioner Park (Chairman), and Commissioners Ledbetter and Randolph. Their duty is to discuss plans for a City/County Conference, and schedule a time it is to be held.
- COMMITTEE FORMED TO STUDY CITY/CO. CONFERENCE
- (10) Nancy Richesin, Director of Budget and Accounts, had no report for the Commission.
- N. RICHESIN RE.
- (11) Attorney Sproul informed the Commission that a lawsuit involving the Loudon County Board of Zoning Appeals, ongoing for approximately 3 years, (the suit involved zoning use, regulations.) had been resolved. The property owners had corrected the problem.
- ATTY. SPROUL-REPORT ON CO. LAWSUIT
- (12) Doug Lawrence, Building Commissioner
- D. LAWRENCE Permits-----44 Fees-----\$3,331.00  
BLD. COMM. Estimated value----\$1,763,000 New Taxes-----\$11,000.00  
REPORT
- (13) Pat Phillips, Director of Planning and Community Development---  
Amendment to the Zoning Resolution of Loudon County, Tennessee, to rezone property on Richey Road referenced by Tax Map 64, Parcels 13.03 and 13.04, from A-2, Rural Residential, to 0-1, Office Professional. (Approved by the Loudon County Planning Commission.) Commissioner Duff moved that this be approved and Commissioner Bivens seconded the motion. All in favor. Attached as Resolution # 12-5-94, Exhibit # 1.
- PHILLIPS-REZONING OF PROP. ON RICHEY RD.
- (14) Consideration of amendment to the Zoning Resolution of Loudon County, Tennessee, to rezone property on Roberson Springs Road and Holt Drive referenced by Tax Map 52, Parcel 4.01, and Tax Map 43-M, Parcel 19, from A-2, Rural Residential, to R-1, Suburban Residential and to include the R-E, Single Family Exclusive Overlay. (Unanimously approved by the Loudon City and Loudon County Planning Commissions.) Commissioner Bivens made the motion that the Resolution be accepted, it was seconded by Commissioner Twiggs. Roll call Vote:
- |          |     |           |     |        |     |
|----------|-----|-----------|-----|--------|-----|
| Randolph | No  | Ledbetter | Yes | Duff   | Yes |
| Bivens   | Yes | Masingo   | Yes | Park   | Yes |
| Maples   | No  | Bledsoe   | Yes | Twiggs | Yes |
- Motion Carried--7--Yes 2--No  
Resolution hereby attached as # 12-5-94, Exhibit # 2
- (15) Consideration of amendment to the Zoning Regulations of Loudon County, Tennessee, to rezone property at 15222 Hwy 70E, referenced by Tax Map 8, Part of Parcel 45, from R-1, Suburban Residential to C-2, General Commercial. (Recommended by the Lenoir City Planning Commission and County Regional Planning Commission to rezone to 0-1, Office Professional.) Commissioner Twiggs made the motion to accept the Resolution, with Commissioner Duff seconding the motion. All Commissioners voted in favor of the Resolution, which is attached as # 12-5-94, Exhibit # 1.
- REZONING OF PROPERTY AT 15222 HWY. 70 E.
- (16) Road Commissioner, Mr. Don Palmer, asked the Commission to agree to close 240 feet at the end of Huffs Ferry Road. Commissioner Park made the motion and Commissioner Duff seconded it. All Commissioners voted in favor.
- RD. COMM.-PER. TO CLOSE 240 FT. HUFF FERRY RD.

Page 5, County Commission Meeting, Dec. 5, 1994

(17)  
H. LUTTRELL  
REP. ON  
SOUND SYS.

Mr. Howard Luttrell, Purchasing Agent, informed the Commission that he is continuing to study the sound system, as previously requested by the Commission.

(18)  
D. BERRY-  
PER. TO SALE  
2.1 ACRES AT  
B.B. IND. P.  
TO LOCKHART  
ALUM.

Mr. Doug Berry, Industrial Developer, asked that the Commission approve the sale of 2.1 acres, and possible option on additional acreage at the Blair Bend Industrial Park. The land would be sold to Lockhart Aluminum. This company is a distributor of sheet aluminum. Commissioner Ledbetter made the motion the Commission approve the sale to this property with Commissioner Maples seconding the motion. All Commissioners voted in favor.

(19)  
PER. TO MOVE  
ZON. ISSUES

Commissioner Twiggs, for the convenience of citizens attending, asked if zoning issues be could be moved up on the agenda.

(20)  
RESCH. JAN.  
CO. COMM. M.

Mr. George Miller, County Executive, asked that the January 2, 1995 meeting of County Commission be moved to January 9, 1995. This motion was made by Commissioner Twiggs and seconded by Commissioner Ledbetter. All in favor.

(21)  
BOND APP.

Commissioner Masingo made the motion these bond applications be accepted, seconded by Commissioner Park: All in favor.  
Phyllis J. Brewster                      Lewis Moore

(22)  
NOTARIES

Commissioner Masingo presented these motion these notaries be approved or renewed: Seconded by Commissioner Duff. All in favor.

Rhonda Courtney  
R. Sonnenfeldt  
Donna M. Leydorf


Eloise S. Jacob  
Sheri C. Allen  
Kristi D. Bolton

Glynis C Moore  
Wanda F. Curtis

(23)  
ADJORNMENT

Motion made by Commissioner Park seconded by Commissioner Randolph to adjourn.

  
County Executive

  
County Court Clerk

LOUDON COUNTY COMMISSION

RESOLUTION NO. 125-94-Expb = E

RESOLUTION CORRECTING MINUTES OF SEPTEMBER 13, 1994  
COMMISSION MEETING PERTAINING TO APPROVAL OF SOLID WASTE  
TEN-YEAR PLAN

WHEREAS, after considerable study and evaluation, the Loudon County Solid Waste Disposal Commission (LCSWDC) recommended to the Loudon County Commission that it adopt a ten year plan, and this was presented at the September meeting of the Loudon County Commission; and

WHEREAS, the minutes of that County Commission meeting, as approved, erroneously only indicates that the Solid Waste Ten-Year Plan was "discussed" and that a committee was appointed to make a study as to a "local approval" process, when in fact the action of the County Commission was to approve the plan.

NOW, THEREFORE, BE IT RESOLVED by the Loudon County Commission, in regular session assembled this 5th day of December, 1994, that the minutes of the September 13, 1994 County Commission meeting are hereby corrected, in reference to the ten-year solid waste plan, by deleting all the wording presently shown in the September minutes, and substituting the following:

Upon motion by Commissioner Twiggs, seconded by Commissioner Sarah Simpson Bivens, the Ten-Year Plan proposed by the Loudon County Solid Waste Disposal Commission, was adopted unanimously with an additional provision that a committee be formed to investigate the possibility of creating a local approval or recommendation process for any new applications for industrial or commercial waste streams that require State approval.

COUNTY CHAIRMAN

APPROVED:

*George M. Miller*  
COUNTY EXECUTIVE

ATTEST:

*Raymond A. Spraul*  
COUNTY CLERK

PREPARED BY:

*Raymond L. Spraul*  
COUNTY ATTORNEY

Expb = E



STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

401 Church Street  
Nashville, Tennessee 37243

November 30, 1994

Wayne Tolbert, Chairman  
Loudon County Solid Waste Disposal Commission  
c/o Science Applications International Corp.  
800 Oak Ridge Turnpike  
Loudon, TN 37831

Dear Mr. Tolbert:

I appreciate your board's efforts in preparing and submitting your regional solid waste plan. This is to acknowledge your plan was received on November 21, 1994. As of now, no sanctions with regard to the July 1, 1994 submission date in the Solid Waste Management Act of 1991 shall apply to the region as was prescribed in my letter of August 4, 1994.

The Department's staff will review the plan over the next 90 calendar days as required by the Solid Waste Management Act of 1991. We will notify you the moment a decision regarding your plan has been made. Should you have any questions or if we can be of assistance, contact Geneil Hailey Dillehay with our Division (615-532-0091).

Thank you for your cooperation and we look forward to working with you once your plan is approved.

Sincerely,

Paul Evan Davis  
Director  
Division of Solid Waste Assistance

PED:EKB:mcd

cc: George Miller, Loudon County Executive  
Mitch Loomis, East TN Development District



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

DON SUNDQUIST  
GOVERNOR

JUSTIN P. WILSON  
COMMISSIONER

July 15, 1996

Mr. Wayne Tolbert, Chairman  
Loudon County Solid Waste  
Disposal Commission  
c/o Science Applications International Corp.  
100 River Road #109  
Loudon, TN 37774


Dear Mr. Tolbert:

Congratulations! The Loudon County Municipal Solid Waste Regional Plan fulfills the planning requirements of the Solid Waste Management Act of 1991 and is hereby approved. You and the Loudon County Regional Solid Waste Planning Board are to be commended for your efforts.

Attached is a list of documents which comprise the approved plan for the Loudon County Solid Waste Planning Region.

We feel you have an effective plan. Please keep the Department apprised of changes in strategy for meeting the various goals and objectives of the regional plan. If we can be of further assistance, please contact Paul Evan Davis with the Division of Solid Waste Assistance at 615-532-0091.

Sincerely,



Justin P. Wilson  
Commissioner

JPW:PED

Attachment

c: The Honorable George Miller, Loudon County Executive  
Mr. Bob Freeman, East TN Development District

## LOUDON COUNTY MUNICIPAL SOLID WASTE REGIONAL PLAN

The Solid Waste Management Plan file consists of the following:

1. Plan as submitted on November 21, 1994.
2. Letter and attachments from Beth Burklin, received January 25, 1995. Attachments included County Commission minutes and resolution approving the 10-year plan.
3. Letter, review comments and attachments from Paul Evan Davis, dated March 6, 1996.
4. Letter and attachments from the Loudon County Solid Waste Disposal Commission, received May 2, 1996. Attachments included:
  - A. Permit review.
  - B. Confirmation records.
  - C. Planning commission review.
  - D. Legitimacy of the solid waste regional planning board.
5. Letter and attachments from the Loudon County Solid Waste Disposal Commission, received May 24, 1996. Attachments included:
  - A. Budget and funding information.
  - B. Implementation schedule
  - C. Exceptions to the Annual Report (including waste reduction goals and a request for variance).
6. Letter from Paul Evan Davis, dated June 11, 1996, requesting board review and approval of the letters and attachments to the submitted documents listed under numbers 4 and 5 above.
7. Letter from Wayne Tolbert, Chairman, received July 5, 1996, addressing the issues listed in number 6 above which included a revised permit review process.



STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

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

**CERTIFIED MAIL**

March 6, 1996

Mr. Wayne Tolbert, Chairman  
Loudon County Municipal Solid Waste  
Planning Region  
c/o Science Applications International Corp.  
800 Oak Ridge Turnpike  
Loudon, TN 37831

Dear Mr. Tolbert:

Thank you for the submission of the Loudon County Municipal Solid Waste Plan. I regret our delay in responding to your region's solid waste plan. The purpose of our review is to provide constructive comments that will assure your regional solid waste plan is complete and complies with the Solid Waste Management Act of 1991. The plan is a commendable effort and the information provided is both complete and adequate in most cases. However, the Department cannot grant final approval to the plan in its present form. The plan evaluation committee has recommended that the following deficiencies be addressed prior to approval:

- **BUDGET AND FUNDING INFORMATION** - The region's budget and funding plan requires additional detail. A master budget must be developed and integrated for the region over the ten-year planning period. Also, there is no ten-year estimate of budget and revenues for funding solid waste disposal programs for the region. Please refer to the attached review comments under Chapters VIII and XI. Please also note review comments regarding the budget and funding information in Chapters VI, VII and IX.
- **PERMIT REVIEW** - Language in the plan granting authority to the host county and cities is inconsistent with regional planning board's permit review under the Solid Waste Management Act of 1991. This language should be omitted or revised. Please refer to the attached review comments under Chapter XIII.

- **APPOINTMENT LETTERS/CONFIRMATION RECORDS** - There is no evidence of appointment by the county executive and mayors of the respective members of the solid waste regional planning board, nor confirmation by the city council of the representative from the City of Loudon. The region must submit a letter from the Mayor of Loudon confirming that the city appointment has been made and the date of confirmation by the city council. In addition, the region must submit a letter from the respective appointing county executive and mayor confirming that each of the other members were appointed to the solid waste regional planning board. Please refer to the attached review comments in Appendix A.

In accordance with the Solid Waste Management Act of 1991, T.C.A. Section 68-211-814, the deficiencies identified above are to be corrected within thirty (30) calendar days from the receipt of this letter. These deficiencies are detailed under the respective **IMMEDIATE ATTENTION** review comments. If you need any further clarification on these deficiencies, please contact our office.

In addition to the issues raised above, the plan evaluation committee has identified issues that should be resolved in the region's **annual report**. Specifically, the report to be submitted in **March of 1996** should address:

- **WASTE REDUCTION GOAL** - The region has not adequately described waste reduction activities designed to attain the twenty-five percent (25%) waste reduction mandated by the Solid Waste Management Act of 1991. The region should revise its calculations and resolve and revise the discrepancies, or explain the reasons for such discrepancies. Please refer to the attached review comments in Chapter IV.

However, due to the delay in your region receiving the review comments, the following **Annual Report** issue(s) may be resolved when the region submits the **1997 Annual Report**:

- **IMPLEMENTATION SCHEDULE** - The plan's implementation schedule is incomplete. A comprehensive schedule for all solid waste programs in the region extending through the year 2003 is needed. Please refer to the attached review comments in Chapter XI.
- **PLANNING COMMISSION REVIEW** - The plan does not include evidence that the Loudon County Regional Planning Commission or the Loudon and Lenoir City Municipal Planning Commissions have been advised of the development of the plan. The region should notify the planning commissions that a copy of the plan is available for their review upon request. Please refer to the attached review comments under Chapter XII.



Mr. Tolbert  
Page 3  
March 6, 1996


- **LEGITIMACY OF THE SOLID WASTE REGIONAL PLANNING BOARD** - There is no documentation in the plan from the Loudon and Lenoir City town councils indicating they have approved the designation of the Loudon County Solid Waste Disposal Commission (LCSWDC) as the solid waste regional planning board. Both the county and the cities need to pass resolutions concurring with the designation of the LCSWDC board as the solid waste regional planning board under section 813 of the Solid Waste Management Act. Please refer to the attached review comments under **Chapter XII**.

Chapter-by-chapter comments submitted by the plan evaluation committee along with recommendations for action have also been included. Comments on issues other than those specifically detailed above are provided solely for your information, and may be useful as you review your implementation progress and as you update the plan. This letter and attachments should be kept with and become part of the plan.

Our goal is to develop practical, effective, complete regional solid waste plans. I invite you to call our office at 615-532-0091 for more information regarding modifications to correct your specific plan deficiencies.

Please let us know how the Department can assist you in moving toward the important task of attaining final approval of your region's solid waste plan.

Sincerely,



Paul Evan Davis  
Director  
Division of Solid Waste Assistance

PED:dhm

Attachments

cc: ~~Mr. George Miller, Loudon County Executive~~  
Mr. Mitch Loomis, East Tennessee Development District

## LOUDON COUNTY REGIONAL SOLID WASTE MANAGEMENT PLAN REVIEW COMMENTS

March 6, 1996

The following chapter-by-chapter comments were prepared by the Division of Solid Waste Assistance's Plan Evaluation Committee. Many of the comments require little or no action and are offered to aid local officials as they implement and update the region's solid waste plan in the future. Some of the comments require considerable attention to bring the plan into compliance with regulations. This document and attachments along with the letter from Paul Evan Davis, Director, Division of Solid Waste Assistance should be kept with and become part of the Loudon County Municipal Solid Waste Regional Plan.

The comments offered in bold and marked **"IMMEDIATE ATTENTION"** require action within thirty (30) calendar days as prescribed by Mr. Davis' letter.

The comments marked **"ANNUAL REPORT"** should be addressed in the region's annual report due in March of 1996 or March of 1997, however specified.

### EXECUTIVE SUMMARY

The summary is considered to be adequate. Without allowing the implementation schedule to become too lengthy, you may enhance the summary by including milestones projected beyond 1995. Additional clarification with regard to cost estimates would be helpful.

Please keep in mind this part of the plan may be the only part that many people read, and its conciseness is crucial to a quick introduction and overview of your region's ten-year plan. Emphasis was given in the **Guidelines for Preparation of a Municipal Solid Waste Regional Plan** on inclusion of nine (9) items to ensure a concise summary that could be, as suggested, printed and bound separately for broad distribution to local government officials and citizens. Perhaps no better public relations tool to assist in the implementation of the plan could be developed than a strong and widely-disseminated Executive Summary.

**Action Required: None.** However, we strongly encourage you to revise the Executive Summary upon revision of the plan regarding the additional information and changes outlined in the preceding review comments and the following chapter-by-chapter review comments.

## CHAPTER I

Although the chapter is considered to be generally adequate, many of the elements prescribed in the **Guidelines for Preparation of a Municipal Solid Waste Regional Plan** have been omitted.

The chapter may be improved by addressing the following issues:

- There is no narrative description of the physiography and land use patterns.
- There is no regional base map included.
- There is no description of coordination with existing local governments.
- There is no mention of a municipal solid waste regional planning advisory committee other than there have been requests through meetings and in the local paper for volunteers to form a citizens' advisory council.
- There is no discussion of economic factors affecting the region.
- Table I-14 does not include a column for the number of registered vehicles in the region.

**Action Required: None.** While we strongly encourage you to develop the suggested narrative and include it in your regional plan, we do not require any action at this time.

## CHAPTER II

The chapter is considered to be generally adequate; and is complete in most areas.

The chapter may be improved by addressing the following issues:

- The tables are complete; however, there are no maps included.
- The question of unmet regional needs is not addressed.
- The only reference to cost and revenues is found on page 20, where costs are displayed on a chart and revenues are stated as being funded by appropriations from the general fund and a monthly collection fee charged to residents of Lenoir City. No financial statements or pie charts are displayed. Please refer to the **BUDGET AND FUNDING** review comments under Chapter XI for more information.
- The "Strengths and Weaknesses of Existing System" section (page 22) needs some expansion.

## **Chapter II (continued)**

**Action Required: None.** While we strongly encourage you to develop the suggested narrative and maps and include them in your regional plan, we do not require any action at this time.

## **CHAPTER III**

The chapter is adequate and complete, except with one exception.

The chapter may be improved by addressing the following issue:

- There is no discussion of the criteria used by the regional planning board to evaluate management options and to select the system elements included in the final plan.

**Action Required: None.** While we strongly encourage you to develop the suggested narrative and include it in your regional plan, we do not require any action at this time.

## **CHAPTER IV**

The chapter is considered to be adequate and complete with a few exceptions.

Quantitative target reductions toward the 25% waste reduction goal are offered in Chapters IV and XI showing that the region will rely on 51% reduction from industrial sources (principally Kimberly Clark and Metals Resources), 1% from residential source reduction and recycling, and 7% from yard waste composting. These are not conventional goals and methods when compared with other counties. However, the plan explains the special circumstances that exist in the county, and the strategy may be plausible given the situation.

A base year adjustment has been documented, requested, and accepted by the State. The region begins in 1989 at 2.16 tons per person per year (67,910 tons) and aims for 1.62 tons per person per year in 1995 for a reduction of about 17,673 tons per year. These figures are high in comparison to national and state averages. Industrial expansion accounts for the unusual numbers. The plan states that commercial and industrial waste accounts for 82% of the waste stream. The plan further explains major fluctuations in the waste stream on pages 37 and 38.

## **Chapter IV (continued)**

The principal method relied on for reduction is a 200 ton per day program initiated by Kimberly Clark, the major waste generator in the region. The county also plans to expand its existing drop-off program, and Santek will add yard waste composting at the landfill in 1995. There are also plans to divert and recycle tires to a facility in Atlanta.

More information will be required on the following issue:

### **ANNUAL REPORT**

**WASTE REDUCTION GOAL** - T.C.A. 68-211-815(b) states: "At a minimum, each plan submitted by a municipal solid waste region shall include the following: (10) a description of waste reduction activities designed to attain the twenty-five (25%) reduction as required by T.C.A. 68-211-861." Unless more detail is developed for the implementation of waste reduction programs, progress toward the 25% waste reduction goal will be difficult to track. This may make it hard for the region to establish a good faith effort should they fall short of the goal.

While the figures offered in Chapter IV are generally consistent with the rest of the plan, some clarification remains necessary. The explanation of fluctuations in the waste stream is not altogether adequate. On page 38 the narrative seems to refer to Metals Recovery's diversion of 100 tons per day to a landfill out of state as a reduction method. If this waste is disposed in a Class I facility anywhere, it will not be counted toward the 25% reduction goal. If such industrial waste is being disposed of in a Class II disposal facility, the plan should document this.

Table IV-2 is not explained. Each column should be footnoted so that the reader may be aware of reduction methods to be used. Similarly, the major waste reduction efforts in 1995 referred to on page 38 are not fully explained.

If the industrial sector is to be relied on so completely, then more details regarding industrial programs should be included in the implementation schedule in Chapter XI.

**Action Required:** At a minimum, the region should develop additional detail with regard to achievement of the 25% waste reduction goal as outlined above. This information should be included as part of the region's **Annual Report** due in March of 1996.

The region is reminded that it will be evaluated for progress in meeting the 25% waste reduction goal as of December 31, 1995. Records relative to the 25% waste reduction goal should be kept up to date for use when the goal is evaluated after December 31, 1995. The Department's **Guidelines on the 25% Waste Reduction Goal** are attached for your information (**Attachment A**).

## CHAPTER V

The chapter is generally adequate and is complete in most areas.

The region has publicly provided collection service in Loudon and Lenoir City and for members of the Tellico Village Property Owners Association. There is one (1) convenience center and one (1) transfer station in the one-county region. Several private companies provide collection. The region plans to meet the state's minimum level of service through the continuation of this service, the possible construction of a second convenience center, and assurance that adequate collection is provided to at least 90% of the county residents (that includes performing a study that identifies the users of the landfill). Please note (from the Executive Summary) the State law does not require 90% of the households to have adequate collection services. The State law requires assurance that county residents have access to collection services.

The chapter may be improved by addressing the following issues;

- More discussion is needed regarding the comparison of the existing regional collection system to the criteria established by rule for number, location and design of convenience centers [T.C.A. 68-31-851(b)], and it is uncertain if there has been enough identification of unserved areas in the region. It is not clear from the plan's narrative whether the existing collection center meets the state criteria governing convenience centers or whether the region is committed to building a second convenience center. A timetable and milestones for construction of a new convenience center is not included. There is no site map.
- Even though one (1) convenience center is all that is required for the region by rule, two passages in the plan suggest that one will not be enough. In Appendix C, on the first page of the "Loudon County Solid Waste Survey--Citizens' Opinions On Solid Waste Management Options," by Peggy Douglas, Ph.D., it was found that "Fifty percent of Loudon County residents have curbside collection. Only 26 percent use the convenience center. Thus, almost 1/4 of the county is not adequately served by collection services. Eighty-one percent of the residents feel that Loudon County needs more convenience centers." Then, on page 8 of the plan, it is indicated that waste generation is expected to increase sizably outside the municipalities over the next ten years.
- More clarification is needed in regards to the region's intention (pages 42 and 43) to show that the county's residents already have adequate service through a policy that identifies the types and quantities of residential and commercial solid waste of generators using the landfill.

## **Chapter V (continued)**

**Action Required: None.** Collection records should be kept up to date in order to assure county-wide collection by January 1, 1996 per T.C.A. 68-211-851(a). Such records will be useful as collection reports are required annually. A fact sheet regarding collection assurance is included for your information (**Attachment B**).

## **CHAPTER VI**

The chapter is considered to be generally adequate; however, it is not complete in certain areas.

Currently, Loudon County has a drop-off collection site, sponsored by the local Keep America Beautiful organization, at a convenience center on Rock Quarry Road; and drop-off sites are provided to residents at Tellico Village. Tennessee Waste Movers, a private hauler and processor in Lenoir City, provides mixed waste curbside collection in the northern part of the county. The waste is dumped on the processing facility's floor and then picked for recyclables. Aluminum cans are recovered at the public schools; and several private industries are recovering materials, including old corrugated cardboard (OCC), pallets, oil, and metals.

In 1993, the county recycled 116 tons of materials and landfilled approximately 125,000 tons. This constitutes a recycling rate of less than one-tenth of one percent, and the plan which the county proposes for expanding the recycling program to reach the 1995 targeted waste reduction goal does not appear to have that potential.

The chapter indicates that at least one (1) recycling collection center per county will exist by January 1, 1996 which is the statutory requirement [T.C.A. 68-211-863(a)].

The chapter may be improved by addressing the following issues:

- The recycling programs, facilities, and services' needs should be better defined.
- The expansion programs need to be better described to include the size of the programs (number of households/businesses to be served) and the approximate service area.
- The chapter should describe how the several communities in the region will cooperate to economically market their recovered materials.
- No action has been described to create or expand markets for recovered materials through the establishment of a waste exchange/reuse program or provision of economic incentives for manufacturers to use recovered materials.

## **Chapter VI (continued)**

- The plan does not adequately describe specific outreach and educational programs to encourage source reduction and recycling.
- There is no ten-year staffing plan.
- There is no ten-year budget and funding plan for the support of recycling. Please see the **BUDGET AND FUNDING** review comments under Chapter XI for more information.
- There are no details on how information will be collected for annual reports to the state.
- There is no ten-year implementation schedule for recycling in Chapter VI. The ten-year implementation schedule on page 65, Chapter XI, needs some expansion. It covers only 1994, 1995, and 1998 and has too few milestones.
- The implementation responsibility needs to be specifically allocated among the various entities in the region.
- There needs to be a facility location map provided in the plan.

**Action Required: None.** While we strongly encourage you to develop the suggested narrative and include it in your regional plan, we do not require any action at this time.

## **CHAPTER VII**

The chapter is considered to be generally adequate; however, it is not complete in certain areas. However, in other parts of the plan, composting is referenced, but not detailed.

The Executive Summary and Chapter II give references to existing composting programs which have operated for five (5) years in the Cities of Loudon and Lenoir City, but diversion levels and other details relating these activities to the overall plan are missing. References in Chapter II also state that feasibility studies are being done by SanteK Environmental Services for a co-composting facility and operation for the City of Loudon, which has a permit for construction of a MSW/Sludge composting facility. However, no supporting evidence is provided.

Chapter II, page 18 states that SanteK proposes to begin yard waste composting in 1995, projecting that 9,000 tons per year will be processed, representing about 3.5% of



## **Chapter VII (continued)**

the 25% waste reduction goal. The diversion rate seems reasonable; but there is no plan, and most of the criteria are missing. Also, it is unclear whether this is a new program or an expansion of the existing program that has been in operation for five years.

The chapter may be improved by addressing the following issues:

- The type and capacity of facilities need to be better described.
- A description of construction and operation plans is needed.
- There needs to be an identification of markets and estimate of revenues from sales.
- There needs to be an estimate of the quantity of residuals to be disposed, and a residuals' disposal plan.
- Operations, capital costs, and staffing plans need to be estimated and budgeted. A ten-year budget for composting has not been included. Please refer to the **BUDGET AND FUNDING** review comments under Chapter XI for more information.
- An implementation schedule with specific milestones that can be used to document progress toward achieving the regional goals needs to be prepared.
- Location of each facility needs to be indicated on a map.

**Action Required: None.** While we strongly encourage you to develop the suggested narrative and map and include them in your regional plan, we do not require any action at this time.

A Department fact sheet regarding composting and waste reduction (**Attachment C**) is enclosed for your information as composting options are considered. The Department of Environment and Conservation is currently proposing new regulations on composting standards and operations. Additional information with regard to this and on facilitating and encouraging home composting may be obtained from the Division of Solid Waste Assistance.

## CHAPTER VIII

The chapter will require additional clarification with regard to a few issues.

The region has one Class I landfill owned by the Loudon County Solid Waste Disposal Commission (LCSWDC) (page 51). Its operation is contracted out to Santeck Environmental Services, Inc., of Cleveland, Tennessee. Development of the landfill's remaining capacity has been divided into four phases (page 51). Although not consistent with the implementation schedule in Section D (page 52), Phases II and IV will be developed together and will provide the region with 15 years of capacity beginning January 1, 1995 (page 52).

While the region appears to have sufficient planned capacity to meet its needs throughout the planning period, and while it seems to have established the necessary interlocal agreement to govern that capacity, there needs to be more evidence of budgeting the development and continued operation of its Class I landfill.

The chapter may be improved by addressing the following issues:

- There should be included a discussion that describes integration of the disposal capacity element of the plan with the remainder of the regional solid waste management system.
- An implementation schedule needs to be prepared, complete with specific milestones that can be used to document progress toward achieving regional goals and objectives.
- A system map needs to be included.

The following issue will require additional information:

### IMMEDIATE ATTENTION

**BUDGET AND FUNDING** - The chapter does not include a ten-year estimate of budget and revenues for funding solid waste disposal programs for the region. The region must prepare a summary of budget and funding information for existing and proposed solid waste disposal programs offered by the region.

There needs to be a break-out of the estimated costs for developing the landfill, including site-testing, design and engineering, permitting and construction costs. A financing plan for capital costs, including any bond issues, grants or loans, needs to be included. A ten-year operation and maintenance budget, by year, needs to be completed. Also, there needs to

## *Chapter VIII (continued)*

be included an operation and maintenance plan, listing revenue streams to be used to support operations, including appropriations, local tipping fees, local disposal fees, etc.

**ACTION REQUIRED:** The region must develop a ten-year budget, including projections of developing one or more cells (or phases, as referred to on pages 51 and 52) that comply with the federal Subtitle D requirements, and for annual operating and maintenance costs for the Class I disposal facility. The plan must identify the revenue sources that will be used to meet the capital costs of facility development, and support the day-to-day operations of the facility. This information should also be included in Chapter XI. Please refer to the **BUDGET AND FUNDING** review comments under Chapter XI for more information. This information is to be forwarded to the Division of Solid Waste Assistance within thirty (30) days of receipt of this letter.

## **CHAPTER IX**

The chapter is generally adequate and complete in most areas.

The chapter may be improved by addressing the following issues:

- The chapter does not set forth regional goals and objectives for an educational program.
- The chapter has not described the amount and kind of information to be provided to each target audience. The chapter does not describe the methods to be utilized in delivery of information to each targeted group, nor does it set quantitative goals for the program.
- The chapter does not identify the staff and budget needed to carry out the proposed educational and informational activities. The chapter does not describe how the information and education program will be funded. Please refer to the **BUDGET AND FUNDING** review comments under Chapter XI for more information.
- The chapter does not include discussion of how the educational and information programs will be evaluated and what reports will be prepared.

## **Chapter IX (continued)**

- The chapter has not included a ten-year implementation schedule, with specific milestones that can be used to measure progress toward meeting the education goal.
- The chapter does not allocate responsibility for providing education programs among local governments, schools, and private organizations.

**Action Required: None.** While we strongly encourage you to clarify the issues raised and include the suggested narrative in your regional plan, we do not require any action at this time. Development of detail in this chapter may help justify any application to the Division of Solid Waste Assistance for education grants, once the plan is approved.

## **CHAPTER X**

The chapter is considered to be generally complete and adequate in its attempt to plan for the management of household hazardous waste (HHW), waste tires, used oil, lead-acid batteries, and litter in the Loudon County Solid Waste Planning Region. More information and some detailed planning could make the chapter more valuable.

The region held its first household hazardous waste collection event in June 1995 at the county's landfill. Waste tires are collected in trailers at the landfill for shipment to Atlanta where they are processed into tire-derived fuel. The county intends to collect waste oil at the landfill. Lead-Acid batteries can be turned in at the landfill or convenience center.

The chapter may be improved by addressing the following issues:

- **Household Hazardous Waste (HHW)** - None of the required elements listed in the **Guidelines for Preparation of a Municipal Solid Waste Regional Plan** for managing household hazardous waste are adequately addressed. A description of regional needs for HHW management should describe the lack of existing management and include an estimate on the amount generated in the county, which can be calculated based on national averages. Goals and objectives should be measurable and specific for the planning region.
- **Waste Tires** - The region needs to include the average quantity of tires stored at the facility, the costs of the storage/collection operation, the number of tires sold in the region, whether or not the storage keeps up with the discard rate, and how the county will address illegal tire dumps.

## **Chapter X (continued)**

- **Waste Oil** - There is no information on private facilities that collect and recycle used oil, whether or not they are handling oil efficiently, or what the county will do to support them. As of February 1996, the region had two private waste oil collection sites registered on the states database.
- **Lead-Acid Batteries** - There is no information on retailers of lead-acid batteries in the county or how the region will support their recycling efforts.
- **Litter** - There is no information on how waste reduction or recycling activities will be coordinated with the litter program.

**Action Required: None.** While we strongly encourage you to develop the suggested narrative and include it in your regional plan, we do not require any action at this time.

## **CHAPTER XI**

The chapter will require additional clarification with regard to a few issues. The basic requirements under Chapter XI in the **Guidelines for Preparation of a Municipal Solid Waste Regional Plan** have been largely ignored.

The chapter may be improved by addressing the following issues:

- The chapter should describe the components and structure of an integrated solid waste management system, including regional needs, goals, objectives and ten-year waste estimates. The chapter should discuss any new facility construction or new disposal capacity required during the ten-year planning period. The chapter should discuss how the proposed new facility or capacity will affect the existing solid waste management system.
- The chapter should include a proportional flow diagram which is consistent with data provided in other chapters on waste reduction, disposal, collection and transportation, recycling, composting, and waste-to-energy, etc.
- The chapter should include a system map which indicates the location of existing, new and proposed system components, and include an indication of intra- and/or inter-regional waste flow patterns.
- The chapter should describe the proposed institutional structure to implement the plan.

## **Chapter X (continued)**

- **Waste Oil** - There is no information on private facilities that collect and recycle used oil, whether or not they are handling oil efficiently, or what the county will do to support them. As of February 1996, the region had two private waste oil collection sites registered on the states database.
- **Lead-Acid Batteries** - There is no information on retailers of lead-acid batteries in the county or how the region will support their recycling efforts.
- **Litter** - There is no information on how waste reduction or recycling activities will be coordinated with the litter program.

**Action Required: None.** While we strongly encourage you to develop the suggested narrative and include it in your regional plan, we do not require any action at this time.

## **CHAPTER XI**

The chapter will require additional clarification with regard to a few issues. The basic requirements under Chapter XI in the **Guidelines for Preparation of a Municipal Solid Waste Regional Plan** have been largely ignored.

The chapter may be improved by addressing the following issues:

- The chapter should describe the components and structure of an integrated solid waste management system, including regional needs, goals, objectives and ten-year waste estimates. The chapter should discuss any new facility construction or new disposal capacity required during the ten-year planning period. The chapter should discuss how the proposed new facility or capacity will affect the existing solid waste management system.
- The chapter should include a proportional flow diagram which is consistent with data provided in other chapters on waste reduction, disposal, collection and transportation, recycling, composting, and waste-to-energy, etc.
- The chapter should include a system map which indicates the location of existing, new and proposed system components, and include an indication of intra- and/or inter-regional waste flow patterns.
- The chapter should describe the proposed institutional structure to implement the plan.

## **Chapter XI (continued)**

**ACTION REQUIRED:** A master budget must be developed and integrated for the region over the ten-year planning period. The master budget should be broken out jurisdiction-by-jurisdiction (county, city, and authority, if one is formed); should be a balanced budget; and should include all solid waste programs for the ten-year period. A sample budget, intended only as a guide (not a mandate), is attached for your convenience (Attachment D). Please refer to BUDGET AND FUNDING review comments in Chapters VI, VII, and VIII for more information. The requested budget and additional clarifying information is to be forwarded to the Division of Solid Waste Assistance within thirty (30) days of receipt of this letter.

### **ANNUAL REPORT**

**IMPLEMENTATION SCHEDULE** - T.C.A. 68-211-815(b)(13) states: "At a minimum, each plan submitted by a municipal solid waste region shall include the following: (13) a timetable for the implementation of the plan."

The implementation schedule displayed in Chapter XI is not adequate. Parts C and D, mentioned on page 65 under "Implementation Schedule" are missing, and the schedule itself only refers to three (3) years of the ten-year planning period. The implementation schedules and milestones for each plan element in Chapters V through X are, for the most part, either missing or not adequate.

The chapter should include a composite implementation schedule which is consistent with the schedules provided in Chapters IV through X. This implementation schedule should incorporate key statutory, regulatory and local deadlines and planning milestones.

**Action Required:** Develop a comprehensive schedule for all solid waste programs in the region extending through the year 2003, complete with milestones to measure progress toward meeting the region's goals and objectives. This information should be forwarded to the Division of Solid Waste Assistance when the **Annual Report** is due in March of 1997.

## **CHAPTER XII**

The chapter is not complete, due to the omission of the local planning commission review requirement and documentation showing adoption by the solid waste regional planning board.

03/12/1996 10:15

## **Chapter XII (continued)**

Chapter XII asserts that implementation responsibility rests with the county and with the Loudon County Solid Waste Disposal Commission [a pre-existing intergovernmental commission with city and county representatives which acts as the region's solid waste regional planning board under T.C.A. 68-211-813 (b)(2)]. The chapter states that the LCSWDC, the solid waste regional planning board in this case, has approved the plan. A county resolution in Appendix A and a clarifying letter from the County Executive in Appendix E appear to document county approval of the plan.

The following issues will require additional information:

### **ANNUAL REPORT**

- **PLANNING COMMISSION REVIEW** - The plan does not include evidence that the Loudon County Planning Commission or the planning commissions of Loudon and Lenoir City have been advised of the development of the plan. Both regional and municipal planning commissions should be made aware of plans affecting the future of their respective areas per T.C.A. 13-3-104(b) and 13-4-103.

**Action Required:** The region may satisfy this requirement by simply writing the relevant municipal planning commissions and indicating that a file copy of the plan is available for their review upon request. Copies of the region's letters should be sent to the Division of Solid Waste Assistance when the region's **Annual Report** is due in March of 1997. A sample copy of a similar letter is included for your information (**Attachment E**).

- **LEGITIMACY OF THE SOLID WASTE REGIONAL PLANNING BOARD** - The exception which allows the LCSWDC to operate as the Loudon County Solid Waste Regional Planning Board [T.C.A. 68-31-813 (b)(2)] states: "The legislative body of the county and of each municipality that provides solid waste collection services or solid waste disposal services in the region shall approve such designation by the passage of appropriate resolution." Although the Loudon County Commission's resolution approving the plan may approve the LCSWDC's designation as the solid waste regional planning board by implication, there is no similar documentation from the Loudon and Lenoir City Councils.

Without such documentation, the region should be aware that some legal problems may exist regarding the legitimacy of the solid waste regional planning board. The regional planning board may curtail any legal challenges by simply having all the relevant cities and the county pass resolutions concurring with the designation of the LCSWDC board as the solid waste regional planning board under section 813 of the Solid Waste Management Act.



## **Chapter XII (continued)**

**Action Required:** The region is asked to acknowledge these issues in the region's **Annual Report** due in March of 1997 and update the Department regarding the status of these issues.

## **CHAPTER XIII**

The chapter is considered to be not adequate, as it pertains to permit review.

**FLOW CONTROL** - The chapter contains a copy of the flow control portions of the **Guidelines for Preparation of a Municipal Solid Waste Regional Plan**. It appears the region chooses not to exercise flow control and out-of-region ban options under the Solid Waste Management Act of 1991 at this time.

**Action Required: None.** Please consider the following comments as flow control is discussed in the region:

Flow control within and among regions has been the subject of a number of lower court and supreme court cases in recent years. Of particular concern are the **Ft. Gratiot** case (which would seem to discourage out-of-region bans) and the **Carbone** case (which casts doubt on laws allowing intra-region flow control to support public facilities). The Tennessee Attorney General has issued Opinion No. 95-041, dated April 8, 1995, and titled "Solid Waste Management Act of 1991 - Flow Control - Excluding Waste From Outside the Region - Constitutionality - Commerce Clause". The opinion is a broad discussion of intra-region flow control and out-of-region bans in the current legal climate. If you would like a copy of the opinion, please contact the Attorney General's office at 615-741-2518.

**PERMIT REVIEW** - The plan describes a regional review process that is unacceptable.

More detail on rationale for permit approval is needed in Chapter XIII. Without more direct language spelling out exactly how a permit might be judged "inconsistent with the plan," applicants and courts will have to search deep into the plan to discover such a rationale for planned capacity assurance. The intentions of those who drafted this plan may be lost. Please see the Department of Environment and Conservation policy on rationale for out-of-region bans, flow control and permit review attached for your consideration (**Attachment F**).

Additional information will be needed with regard to permit review under the Solid Waste Management Act of 1991.

### **IMMEDIATE ATTENTION**

**PERMIT REVIEW** - The chapter states that "The three intergovernmental bodies have the authority to review applications for any proposed facilities, and approve/disapprove the applications." The solid waste regional planning board (In this case, the LCSWDC) is given the right to review permits for consistency with the plan by law under the Solid Waste Management Act of 1991 [T.C.A. 68-211-814 (b)(1)(D)], not local host governments as Loudon County, Loudon, or Lenoir City. The plan implies a procedure for review that seems to allow local host governments to have final approval/disapproval responsibility (page 68, first complete paragraph).

The Department is unable to approve this portion of the plan. This paragraph needs to be omitted or revised. One suggestion would be to give the intergovernmental legislative bodies the right to review permit decisions (without the right of final approval or rejection). It is acceptable for "cooperation with local jurisdictions" to be part of the permit review process, without granting those jurisdictions ultimate authority to accept or reject the permit applications.

**ACTION REQUIRED:** The plan would be acceptable if the language granting permit review authority to affected local jurisdictions is omitted or revised to simply allow the host jurisdictions to review proposed permits without giving them the right to accept or reject the permit based on consistency with the region's disposal needs identified in the plan. This right of final approval or rejection belongs to the solid waste regional planning board only, under the Solid Waste Management Act of 1991.

Please note: The General Assembly passed Public Chapter No. 95-001 in March of 1995 amending the law with regard to permit review under the "Jackson Law" [T.C.A. 68-211-701 et seq.]. This amendment will extend local host county and city review to jurisdictions that voted in the "Jackson Law." A copy of the new law is attached (Attachment G). Permit review under the Solid Waste Management Act of 1991 has not been amended.

This information is to be forwarded to the Division of Solid Waste Assistance within thirty (30) days of receipt of this letter.

## **APPENDIX A**

The appendix is not complete.

The following issue, required to be addressed by the Solid Waste Management Act of 1991 and by the Guidelines for Preparation of a Municipal Solid Waste Regional Plan, must be clarified:

### **IMMEDIATE ATTENTION**

**APPOINTMENT LETTERS AND CONFIRMATION RECORDS** - There is evidence of county commission confirmation of the original seven (7) board members on the Municipal Solid Waste Regional Planning Board, by resolution of the Loudon County Commission (March 1, 1993); however, a list of LCSWDC members as of November, 1994 indicates some turnover without any accompanying confirmation record. Checking the November 1994 list of board members with the documentation of confirmations, it appears that Mel Hines, representing the city of Loudon, has no such documentation. There are no copies of appointment letters for each member of the board.

T.C.A. 68-211-813(b)(1) states that "The members of the board shall be appointed by the county executives and municipal mayors, respectively, of the counties and eligible municipalities within the region, whose appointments must be approved by the legislative or governing bodies of the respective counties and eligible municipalities within the region..." The Guidelines for Preparation of a Municipal Solid Waste Regional Plan, Appendix A, Section I. 2. b. specifically requests copies of appointment letters and record of the board members' confirmation.

**ACTION REQUIRED:** At a minimum, the region must submit a letter from each of the respective appointing county executive and mayors confirming that each of the county and city appointments has been made, and including the date of confirmation by the city council in the letter regarding Mr. Hines from the City of Loudon. This information is to be forwarded to the Division of Solid Waste Assistance within thirty (30) days of receipt of this letter.

## **APPENDIX B**

The appendix is adequate and complete. All the necessary documentation for a base year adjustment is included.

**Action Required: None.**

## **APPENDIX C**

The appendix is complete except for a summary of the public hearing on the region's plan. A summary of the public hearing should be included in the plan for the purpose of documenting comments on contentious issues. Such documentation is needed should controversy erupt at a later date.

**Action Required: None.** While we strongly encourage you to develop the suggested narrative and include it in your regional plan, we do not require any action at this time.

## **APPENDIX D**

The appendix is not applicable. No exports or imports are anticipated at this time.

**Action Required: None.**

## **APPENDIX E**

The appendix is not complete. It appears that the Loudon County, City of Loudon, and Lenoir City Planning Commissions have not been made aware of the plan.

**Action Required:** Please refer to the **Annual Report** review comments regarding **PLANNING COMMISSION REVIEW** under **Chapter XII**.

## **APPENDIX F**

Although this appendix was not a requirement, the region saw fit to include the ten-year Disposal Contract between the Loudon County Solid Waste Disposal Commission and Santeck Environmental Services. It did provide some clarification concerning the development of the landfill and whether or not federal Subtitle D regulations were going to be implemented.

**GUIDELINES ON THE 25%  
WASTE REDUCTION GOAL**



**As Required By  
The Solid Waste Management Act of 1991  
T.C.A. 68-31-861(d)**

**Tennessee Department of Environment & Conservation  
Division of Solid Waste Assistance**

**January 1994**

## **25% WASTE REDUCTION GOAL GUIDELINES**

### **Introduction**

The intent of the 25% waste reduction goal as required by the Solid Waste Management Act of 1991 (T.C.A. Section 68-211-861) is to reduce by 25% percent the amount of waste being disposed of at Class I landfills and municipal solid waste incinerators by December 31, 1995, over that which was disposed in 1989, the base year. This is to be measured by municipal solid waste (MSW) regions on a per capita basis and by weight (e.g., tons per person per year). For most regions, the base year will be 1989 unless the region can demonstrate that the data was clearly in error.

Presently, there is a vast disparity across the state between existing solid waste reduction programs due to market availability, local resources, socioeconomic trends, etc. Consequently, the evaluation criteria for assessment of community efforts toward meeting the waste reduction goal should encompass the necessary latitude to assure equitable and reasonable treatment of these diverse communities.

The initial phase of implementation of this 25% waste reduction goal (through December 31, 1995) will provide information on the actual ability and potential of local governments (rural and urban) to reduce waste. The initial phase will also provide information on how waste reduction impacts a community economically as well as environmentally. This information is necessary in order to make sound judgments on future state requirements for waste reduction programs.

The intent of the Tennessee Department of Environment and Conservation is to establish guidelines for measurement and evaluation of this goal which will foster an appropriate regulatory environment for assessing efforts toward meeting the 25% waste reduction goal. It is also the intention of the Department to keep administration and accounting for evaluating the 25% waste reduction goal as simple as possible. A copy of the Waste Disposal Reduction Goal Rule (1200-1-7-.09) is attached as a reference.

A description of the waste reduction activities designed to attain the 25% waste reduction goal is required as part of the regional plan. The information and procedure(s) required in the development of a MSW region's plan for meeting the 25% waste reduction goal are located in Chapter IV, entitled Waste Reduction, of the Guidelines for Preparation of a Municipal Solid Waste Regional Plan prepared by the Tennessee State Planning Office.

### **Statutory Authority**

The 25% waste reduction goal as stated in the 1991 Act:

"The goal of the State is to reduce by twenty-five percent (25%) the amount of solid waste disposed of at municipal solid waste disposal facilities, and incinerators, measured on a per capita basis within Tennessee by weight, by December 31, 1995. The goal shall also apply to each municipal solid waste region; provided, however, the goal shall not apply to individual disposal facilities or incinerators. The base year from which reductions are to be measured is 1989, unless a region can demonstrate that 1989 data is clearly in error."

For example, this law requires that a MSW region disposing of one ton per person per year (tons/person/year) in 1989 should only be disposing of 0.75 tons/person/year as of December 31, 1995. This goal applies to waste disposed of at Class I landfills and MSW incinerators. Measurements of waste are to be based on the amount of waste entering a disposal facility prior to combustion or landfilling. The regional population will be based on the 1990 census data, as projected and published by the State Data Center in the Governor's State Planning Office.

Diversion of MSW from one region to another region's disposal facility is not considered a waste reduction method. A discussion of policy on import or export of waste between regions is found in the section titled *Multi-Region Use of Disposal Facilities* of the guidelines.

### **Base Year Adjustments and Variances**

A need to adjust base year data may become evident during preparation of the regional solid waste plan. It is important that the completed and approved plan reflect the appropriate base year, accurate disposal rates, and the measures needed to attain the 25% waste reduction goal.

In certain instances, the 1989 base year data may not accurately reflect the quantity of waste actually being collected and managed in a region and/or the total amount of waste generated. Unmanaged waste, waste diversion, waste reduction, and/or recycling activities that were taking place in and prior to 1989 may be responsible for this. Waste unaccounted for in base year calculations as a result of the preceding listed activities should be identified, documented, and submitted to the State Planning Office at the earliest time possible during development of the regional plan if an adjustment to the base year is to be requested.

Adjustments to the quantities reported in the base year may be made for diversion, reduction, or recycling activities that occurred between 1985 and 1989 if they can be documented. No credit will be allowed for diversion or recycling prior to 1985. The documentation required must be sufficient, as determined by the State Planning Office, to develop an accurate estimate by weight of the amount of waste or materials diverted annually. If deemed appropriate by the State Planning Office, the 1989 base year data will be adjusted to include these quantities in the total generation. As stated previously, base year adjustments are to be sought as soon as it becomes evident that the base year is not accurate and sufficient documentation is collected to substantiate the adjustment.

Regions which include a county(ies) which did not collect waste as of January 1, 1991, shall obtain a variance from the waste reduction goal until a collection system and base year data have been established.

Any other type of variance from the waste reduction goal may not be sought until after the deadline of the waste reduction goal (December 31, 1995).

### **Markets**

"Market" as defined in Rule 1200-1-.01(2) means: "the transfer or sale of recovered materials to be used, reused, and recycled."

For purposes of implementing the waste reduction rule, "market" may be construed to mean the sale of materials or the movement of materials to an end user where no moneys are transferred. This includes but is not limited to activities such as giving mulch or compost free of

charge to citizens, parks, highway departments, business, etc., as long as the material is being handled in a way that is consistent with the rules and regulations of the State of Tennessee which govern the activities. However, persons should contact the Division of Solid Waste Assistance for clarification on specific activities qualifying as waste reduction.

### **Multi-Region Use of Disposal Facilities**

Diversion of MSW from one region to another region's disposal facility or out of state is not considered a waste reduction method.

In the event that a MSW disposal facility accepts waste from more than one region or out of state, an agreement between the regions, waste haulers and the disposal facility should be developed to account for each region's waste separately.

This agreement should be structured so that each MSW region can determine to what extent it is meeting the 25% waste reduction goal. This agreement will also prevent putting an undue burden on the host region to meet their 25% waste reduction goal. Waste imported from other regions and/or out of state should not be included in the per capita waste calculations for the host region. Such waste must be accounted for by the exporting county. . The agreement may include recording truck weights from different regions separately at the disposal facility.

If a truck picks up waste from more than one region and/or out of state, a systematic weighing program to determine the general percentage weight of MSW collected from each region and/or out of state on the truck may be developed and conducted as approved by the State Planning Office.

Regions which export MSW to another region or out of state for disposal must determine the quantity of MSW exported and add this amount to the quantity of MSW disposed of within the region since it is generated within the region.

The preceding discussion on MSW movement between regions applies to MSW going to Class I landfills and MSW incinerators only.

### **Accounting and Measurement of the 25% Reduction Goal**

As has been already stated, each region must describe in its plan what measures it will implement to achieve a 25% waste reduction goal.

Individual accounting and measurement of waste diversion, waste reduction, and/or recycling activities are not required to meet this goal with the exception of:

- 1) Materials recovered or collected for recycling at Class I landfill or MSW incinerators, which shall be weighed and deducted from the total amount being disposed, and
- 2) Annual reporting by MSW regions of recycled materials collected (amount and type) in the region as part of the Annual Report to the State Planning Office.



However, the Division of Solid Waste Assistance strongly encourages recordkeeping to record quantities of materials diverted, reduced, or recycled by activities including but not limited to the following acceptable waste reduction methods:

1. Diversion of appropriate waste from a Class I (municipal solid waste landfill) disposal facility to a Class III (landscaping waste landfill) or a Class IV (construction/demolition waste landfill) disposal facility and/or air curtain destructors or pit burners.
2. Diversion of problem waste (e.g., waste tires, used oil, lead-acid batteries, paints and other problem wastes) from a Class I (municipal solid waste) disposal facility for appropriate recycling, re-use, energy recovery, etc., activities.
3. Source reduction including modification of industrial processes (e.g., feedstock substitution or improvement, efficiency of machinery and recycling within a process); changes in consumer habits (e.g., selection of products that have reduced and recyclable packaging and re-use of durable goods); and diversion of appropriate industrial process waste to Class II, III, and/or IV landfills.
4. Recycling where recovered materials are marketed for recycling or are stored for recycling. However, at least 75% of the stored material must be marketed within the succeeding 12 months.\*
5. Composting of municipal solid waste where such composted product has been marketed.\*
6. Mulching of untreated wood waste where such mulched nontreated wood waste has been marketed.\*

\* Materials stored for more than 12 months may subject the owners or operators of these operations to enforcement action from the Division of Solid Waste Management.

Recordkeeping of these activities will document and demonstrate a good faith effort should the region fail to meet the 25% waste reduction goal. Furthermore, recordkeeping of materials diverted, reduced or recycled will provide information which communities will need in evaluating and identifying areas of improvement for further reduction of waste disposal as opportunities arise or future regulations require.

Certain activities are not acceptable waste reduction methods. These activities include but are not limited to the following:

1. Incineration at MSW incinerators.
2. Unmarketed recyclables where recovered material is stored without at least 75% being marketed within the preceding twelve (12) month period. Unprocessed municipal solid waste is not considered to be "recyclables."

3. Unmarketed municipal solid waste compost and/or untreated mulch where this material is stored for a year or longer.
4. Illegal or unauthorized storage or disposal of municipal solid waste.
5. Export to another region for disposal.

The method for calculating the 25% Waste Reduction Goal is as follows:

**Step 1.** Calculate the Average 1989 per capita MSW disposal rate:

Divide the 1989 Waste Generation in tons by the 1989 population. Units should be tons/person/year.

(Note: 1989 waste generation figures are found in the University of Tennessee's Waste Management Research and Education Institute's report on "Managing Our Waste: Solid Waste Planning for Tennessee," dated February 1991. Regional population will be based on 1990 Census data, as projected and published by the State Data Center in the State Planning Office.)

**Step 2.** Calculate the 1995 target per capita waste disposal goal:

Multiply the Average 1989 per capita disposal rate (figure obtained in Step 1 above) by 0.75. Units should still be tons/person/year.

Actual measurement of the 25% waste reduction goal will not occur until after December 31, 1995. At that time, the measurement will be the result of dividing the total waste from a region disposed of in Class I landfills and MSW incinerators in 1995 by the 1995 population estimate as projected and published by the State Data Center, in the State Planning Office, and comparing this figure to the figure calculated in Step 2 above.

With regard to the accounting of waste either imported into a solid waste region from another solid waste region and/or from out of state, or exported out of a solid waste region to another solid waste region and/or out of state see the section of these guidelines titled ***Multi-Region Use of Disposal Facilities***.

Any MSW which is generated within a solid waste region in 1995 and disposed of in a Class I landfill or MSW incinerator, regardless of the location of the Class I landfill or MSW incinerator, must be included in the calculations for the 25% waste reduction goal.

To document the various diversion and reduction activities, reporting by weight (in tons) is recommended. However, volume estimates in cases where records by weight are not required and not available may be used to account for these activities. These activities might include source reduction at industries, institutions, and/or households. Estimates developed for this purpose must include sufficient calibration or support documentation to the satisfaction of the State Planning Office.

Supporting documentation may include but not be limited to a systematic weighing program carried out on a regular basis, or past records of materials purchased or disposed if they have subsequently been eliminated from the waste stream. In these cases, credit toward meeting the goal will be decided on a case-by-case basis by the State Planning Office. In all instances, credit toward meeting the 25% waste reduction goal will be allowed only if waste is being

managed in a manner which is consistent with the rules and regulations of the State of Tennessee which govern these activities. For example, unmanaged waste thrown in ditches, creeks, or sinkholes is not considered an appropriate waste diversion activity.

For information on variances toward meeting the 25% waste reduction goal, refer to the section of these guidelines titled *Base Year Adjustments and Variances*.

### **Pit Burners/Air Curtain Destructors**

The state's current policy (as adopted by the Solid Waste Disposal Control Board) is that untreated wood and yard waste disposed of in combustion devices such as air curtain destructors, pit burners, etc., may count toward the 25% waste reduction goal as long as this waste is being managed according to specific permit conditions and applicable rules and regulations of the State of Tennessee. The location of the devices is not a consideration, provided that all applicable rules and regulations are followed in siting.

While the Department currently allows the above-referenced combustion activities to count toward meeting the 25% waste reduction goal the Department does not advocate the use of pit burners, air curtain destructors, or any other type of similar combustion device.

### **Contacting the Department**

For additional information or answers to questions regarding these guidelines, please contact by writing or calling:

Department of Environment and Conservation  
Division of Solid Waste Assistance  
14th Floor, L and C Tower  
401 Church Street  
Nashville, TN 37243-0455  
(615) 532-0091

Pursuant to the State of Tennessee's policy of non-discrimination, the Tennessee Department of Environment and Conservation does not discriminate on the basis of race, sex, religion, color, national or ethnic origin, age, disability, or military service in its policies, or in the admission or access to, or treatment or employment in, its programs, services or activities.

Equal Employment Opportunity/Affirmative Action/ADA inquiries or complaints should be directed to the Tennessee Department of Environment and Conservation, EEO/AA/ADA Coordinator, 401 Church Street, 21st Floor, Nashville, TN 37243, (615) 532-0103.



Tennessee Department of Environment  
and Conservation, Authorization  
No. 327488, 750 copies. This public  
document was promulgated at a cost  
of \$.25 per copy. January 1994

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

(1) General Purpose

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

(2) Waste Reduction Methods

The Department may consider a variety of options that a region shall take into account in meeting the twenty-five percent (25%) goal. As used in Rule 1200-1-7-.09, "municipal solid waste" (MSW) means any garbage, refuse, industrial lunchroom or office waste, household waste, household hazardous waste, yard waste and any other material resulting from the operation of residential, municipal, commercial or institutional establishments and from community activities which are required to be disposed of in a Class I landfill, as defined in regulations adopted pursuant to Tennessee Code Annotated Title 68, Chapter 211; provided, that "municipal solid waste" does not include the following:

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

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

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

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

Source reduction may also be achieved through the encouragement of consumer habits that include the selection of products that have reduced and recyclable packaging, and the re-use of durable goods.
- (e) Problem waste diversion. The diversion of waste tires, used oil, lead-acid batteries, paints and other problem waste, as determined and identified by the Department, from a Class I disposal facility for recycling constitutes waste reduction. Problem wastes

diverted from a Class I disposal facility and stored for recycling at a municipal solid waste management facility until marketed qualifies as waste reduction when diverted.

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

(3) Region's Waste Reduction Plan

- (a) A region's waste reduction plan shall be consistent with the guidelines issued by the State Planning Office. Such a plan shall explain the region's waste reduction methods. The region may use any combination of methods; however, the following methods or practices will not be considered in the calculation for the region's waste reduction plan:
  - (1) Incineration,
  - (2) Unmarketed municipal solid waste compost,
  - (3) Recovered materials (other than problem wastes) stored for recycling without being marketed as prescribed by Rule 1200-1-7-.09(2)(c), and
  - (4) Illegal or unauthorized storage or disposal of municipal solid waste.
- (b) The twenty-five percent (25%) goal applies to only the waste that has been going to Class I landfills or municipal solid waste incinerators. Measurements of waste are to be based on the amount of waste entering a disposal facility prior to combustion or landfilling. Materials recovered or collected for recycling at these facilities prior to combustion or landfilling shall be weighed and deducted from the total amount being disposed.
- (c) The region shall present its calculation of the twenty-five percent (25%) waste reduction on a per capita basis. The per capita waste savings shall be presented in tons per person per year.
- (d) The region's plan shall utilize the base year of 1989 for measuring waste reduction unless a region can demonstrate that 1989 data (found in The University of Tennessee study (February 1991), "Managing Our Waste: Solid Waste Planning for Tennessee") is clearly in error. A region may receive credit toward the waste reduction goal for documented reductions from recycling and source reduction programs prior to 1989, but no earlier than 1985. The region shall notify in writing the Director of the State Planning Office of such an error and request approval of any adjustment to the 1989 data.

- (e) Beginning on March 1, 1994, each region shall submit an annual report to the State Planning Office. Pursuant to T.C.A. Sections 68-211-863 and 68-211-871, such reports shall include, at a minimum, the amount and type of recycled materials collected in the region.

(4) Variance to Waste Reduction Goal

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

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

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

WFV/F2073228/D6/SWM-RULE

**FACT SHEET**  
**COUNTY-WIDE COLLECTION ASSURANCE**  
**Division of Solid Waste Assistance**  
**Tennessee Department of Environment and Conservation**  
**June 1995**  
**615-532-0091**

Attachment B

**THE LAW:** By January 1, 1996, all Tennessee Counties must assure that one or more municipal solid waste collection and disposal systems is available to meet the needs of the residents of the county. The minimum level of service that the county shall assure is a system consisting of a network of convenience centers throughout the county, unless a higher level of service, such as household garbage pickup, is available to the residents. [The Solid Waste Management Act of 1991 - TCA 68-211-851(a)]

**REGULATIONS ON MINIMUM LEVELS OF COLLECTION SERVICE  
PROMULGATED TO SUPPORT THE LAW [Rule 1200-1-7]:**

**Convenience Centers** - Each county shall have at least one convenience center unless a higher level of service is provided. The minimum number of centers shall be established as follows: 1. The service area\* in square miles divided by 180, **OR** 2. The service area population divided by 12,000.

\*Service area does not include cities covered by mandatory collection.

**Household collection/ Higher level of Service/ Alternate Systems** - A county shall be deemed to have met the minimum level of service if at least 90% of all residents have access to household collection. If a county or region proposes an alternative system (household collection or some combination with convenience centers), said system must be approved by the Commissioner. The proposed system must provide a higher level of service than convenience centers would.

Beginning in 1996, each region or county must report on collection progress. The progress reports shall consider: a survey of roadside dumps, citizen complaints, alternative systems available, and volume of waste received or collected by the existing systems. The Commissioner will use these reports and other information to evaluate collection systems.

**COMMON QUESTIONS ASKED:**

**If a county chooses to develop convenience centers in order to assure collection to its citizens, what is the minimum action required?**

The county should use either of two formulas (one based on area and the other on population described above) to determine how many convenience centers are required in the county. Then the county should develop as many as are required, following the Department's guidelines in Rule 1200-1-7 and seeing that the centers are conspicuous and available to all citizens.

This minimum level of convenience center service required by law and regulation will serve as a benchmark to evaluate any alternative systems. When evaluating house-to-house or hybrid collection systems, the Commissioner will look to see that the system in place is a higher level of service than the minimum number of required convenience centers would be.



**Are counties allowed to build more than the number of convenience centers mandated by law and rule?**

Yes, these rules only establish a minimum number of convenience centers required. Additional centers to enhance collection are encouraged. In fact, grant money to establish new convenience centers and to enhance existing convenience center systems is available from the Division of Solid Waste Assistance.

**What must a county choosing door to door collection over convenience centers do to meet the legal requirements?**

1. Counties electing to assure a higher level of service than convenience centers must follow the guidelines set out in the rule above for a higher level of service which states that 90% of all residents must have access to household collection.

**AND**

2. Alternative systems must be approved and evaluated annually by the Commissioner to see that a level of service higher than the minimum required by convenience centers is being achieved. Satisfaction with the service will be evaluated by annual progress reports described above.

**What are some courses of action a county choosing an alternative (to convenience centers) system may choose?**

1. In counties choosing to rely on the services of private door-to-door haulers, the Department will look for enforceable, reasonable contracts for at least some consideration. These contracts, between the county and the hauler or haulers, may be, but do not have to be contracts for payment of the actual collection service. The contracts may be assurance contracts that guarantee collection availability at a reasonable price in exchange for a minimal fee. Should a citizen seek door-to-door collection at a reasonable price and be denied, then the county would have legal recourse against the hauler under the assurance contract. Verbal assurance or a letter of assurance is not enough.

Bear in mind that a door-to-door collection assurance contract situation is subject to the Department's annual evaluation. If the Commissioner finds that actual collection in the county is not more effective than one might reasonably expect the minimum number of convenience centers to be, then the Department may insist on a more aggressive plan.

An assurance contract is the minimum required, but such a contract may not be of practical use to counties and they may choose more effective means to fulfill the requirements of the law.

**Other options that counties have beyond these minimal requirements are:**

2. If a county provides the minimum number of convenience centers required by rule, private haulers may operate in the county and the county is not required to have an assurance contract with any hauler as minimum requirements are satisfied.

3. Counties that are willing to provide public collection services may assure collection for citizens door-to-door at a reasonable price as requested and eliminate the need for a contract with private haulers.

4. Some counties may wish to use some type of hybrid system of convenience centers and door to door collection. Such a system might allow citizens some choice and flexibility. Again, in this case, the county must demonstrate to the Department that the service offered is a higher level of service than the minimum number of convenience centers would be and the Commissioner must approve the system.

5. A contract for services between the county and private haulers is certainly permissible and effective.

6. The County Executive may certify annually that 90% of county residents **ACTUALLY USE** collection services that are practical, reasonable, and legal. These services may include, but are not limited to: (a) the use of house-to-house collection services; (b) the use of registered convenience centers; or, (c) the use of a drop-off site at a Class I municipal solid waste landfill or incinerator. Such a letter of certification to the Commissioner of the Department of Environment and Conservation would eliminate the need for an assurance contract or contracts. The County Executive's certification letter along with information detailing the collection services attested to will be expected in the annual progress reports to the Department as required by statute, beginning in 1996 [T.C.A. 68-211-851(b) and 68-211-871(a) and Rule Chapter 1200-1-7-.10(4)].

**What financial assistance can the State offer counties choosing an alternate collection service to convenience centers?**

Grant funds are not available to fund door-to-door collection. Grant money from the solid waste management fund will only be awarded by the State for capital expenses related to convenience centers [TCA 68-211-824]. Matching grants of up to \$125,000 are available to counties electing to develop convenience centers.

**Does State law or policy mandate a 90% participation/subscription rate in counties where door-to-door collection is offered as the primary option?**

No, a 90% participation rate is not mandated, but high participation is certainly encouraged. State regulations require that 90% of county citizens **have access** to collection. It is the State's purpose and intention to encourage collection by insisting that it be reasonably available to all citizens. Counties are given the flexibility to design collection plans that are best suited to their population, geography, and financial resources.

**GUIDELINES REGARDING  
WASTE REDUCTION THROUGH PROMOTION  
OF HOME COMPOSTING**  
Division of Solid Waste Assistance  
Tennessee Department of Environment and Conservation  
August 11, 1994  
615-532-0091

Home composting programs can contribute to control of waste management costs by eliminating a portion of the collection costs. Effectiveness and rates of waste reduction through home composting are directly related to the level of effort invested, participation and the balance of urban and rural population. For example, it is not realistic to claim that a simple literature distribution campaign on home composting will result in 16% waste diversion from landfills. The following suggested levels of effort and corresponding waste reduction rates are based on five years experience with urban home composting programs. While these estimates will not apply to all situations they are based on actual performance.

- 1) Simple literature distribution program with 5% participation: (0-0.5%) diversion.
- 2) Literature campaign with demonstration workshops with 10% participation (0-- 1%) diversion.
- 3) Literature, workshops, technical assistance, with city or region providing compost bins free or at cost; with 15-20% participation: (3-5%) diversion.
- 4) All of the above with hot line service, full-time technical assistance and 50-75% participation, after 1-2 years operation: (12-16%) diversion.

**NOTE:** Obtaining 50-75% participation is a very ambitious goal. The average is more like 10-30%.

**OUTREACH:**

- 1) Mass mailings are expensive. Use alternate means for distribution such as including in utility bills.
- 2) Develop a compost training and Master Composter program with workshops. This can result in a network of participants that exchange information and ideas.

**EQUIPMENT AND INCENTIVES:**

- 1) Provide compost bins free to people who attend workshops and commit to doing home composting.
- 2) For cities with limited budgets, provide compost bins at cost. Payment for equipment can be an incentive to make use of it. (Available at \$10-\$45).

## **IMPLEMENTING HOME COMPOSTING - CONTINUED**

- 3) Have volunteer groups (Boy Scouts) construct composters from used containers such as 50 gallon plastic barrels. (See attached article on composting.)
- 4) Provide incentives through reduced trash collection fees for households doing composting.
- 5) Long range goal: Purchase small mobile chipper to process individual homeowner's yard waste and allow each household to retain processed yard waste for use in landscaping, mulching and composting.

### **TRACKING YARD WASTE VOLUMES/WEIGHTS THROUGH A SURVEY:**

To determine yard waste volumes generated more accurately, provide a sampling of households with scales and have them weigh materials going into home composters. Use the attached sample form, or one similar, to have them record all data essential to your survey and submit on a quarterly schedule.

NAME \_\_\_\_\_

**COUNTY BACKYARD COMPOSTING STUDY  
DATA SHEET – INTENSIVE GROUP**

PARTICIPANT NUMBER	WEIGHT AND VOLUME OF SOLID WASTE/ADDITIVES												WEIGHT AND VOLUME OF MATERIAL LEAVING THE PILE				COMPOST ACTIVITIES		
	recyclables		other waste		food waste		yard waste		manure		Inoculants	water	compost ****	material that did not compost ****	turn pile?	water pile?	temperature		
	wt*	vol**	wt*	vol**	wt*	vol**	wt*	vol**	wt*	vol**	added?	vol	wt*	vol**	wt*	vol**	yes/no	yes/no	° F
Week of:	199																		
Monday																			
Tuesday																			
Wednesday																			
Thursday																			
Friday																			
Saturday																			
Sunday																			
Week of:	199																		
Monday																			
Tuesday																			
Wednesday																			
Thursday																			
Friday																			
Saturday																			
Sunday																			

Problems/complaints/comments: \_\_\_\_\_

\* To Weigh Material: Place each material in a plastic bag provided to you. Hang the bag on the scale provided to you, and record the weight on this data sheet.

\*\* To Estimate Volume of Material: After placing material in a bag provided to you, estimate the volume by the fullness of the bag (eg 1/4, 1/2, 3/4, full).

\*\*\* List what you used the finished compost for in the comments section of this data sheet.

\*\*\*\* List any un-composted material that you remove from the compost pile in the comments section of this data sheet.

\*\*\*\*\* Please start your week on Monday.

# BACKYARD COMPOSTING AS MSW STRATEGY

**A**CROSS ONTARIO, there is a growing movement to municipalities providing free backyard composters to residents. The movement is consistent with the recycling emphasis that dates back to 1981 with the pilot "blue box" program. Today, virtually any township and village worth putting on the Ontario map has a blue box program, offering quality, weekly, multimaterial curbside collection. The roughly \$60 million capital cost to build these programs was shared equally by the Provincial government, the municipal governments and the soft drink industry. Increasingly, we're seeing these programs being extended rapidly into high-rise buildings, schools, hospitals and the like.

We haven't done nearly as much work on the organic side, but Ontario is now turning its attention to both backyard and centralized composting in a big way.

Ontario is about one and a half times the size of Texas, and home to roughly nine million people, or about one-third of the nation's population. Almost all of us live down in the southeast corner of the Province, where it's warm, and where the arable soils are. Ontario is the industrial, commercial and financial heartland of the country, and so is generally the most prosperous and stable Canadian Province.

Most of our waste is landfilled. Incineration is not popular in the Province, especially since the Environment Minister decreed last year that all municipalities will have to divert 25 percent of solid wastes from disposal by 1992 and 50 percent by 2000. In defining disposal, he included incineration in any form as one of the things that we have to get away from, and stated that incineration projects would not be suitable for inclusion in the 25 and 50 percent targets.

Several thousand 50-gallon plastic barrels have been converted to backyard composters and distributed to homeowners.

*Public participation provides impetus for growth of informal programs, and a four-month study indicates backyard composting can divert a significant portion of the residential waste stream.*

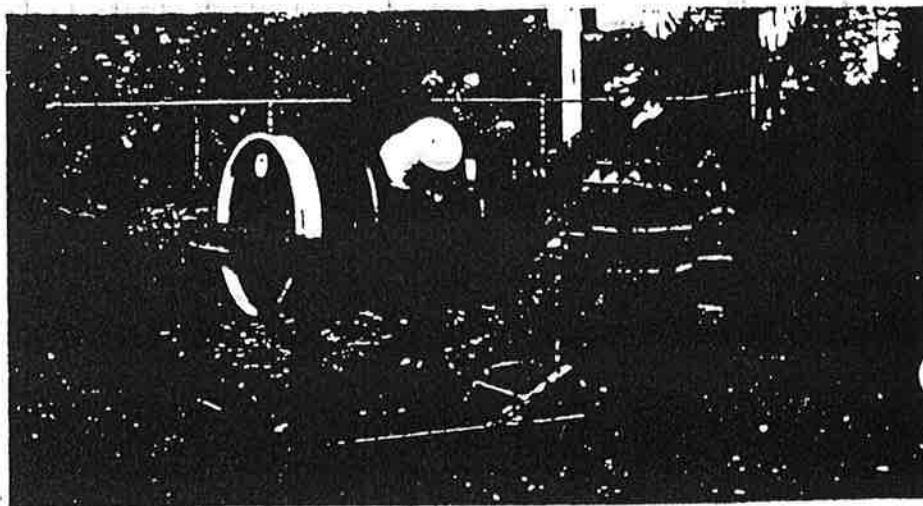
*Paul Taylor*

## FIRST PROGRAM WITH 50-GALLON DRUMS

Perhaps the first program to distribute backyard composters free to residents took place in the City of Kitchener in 1984. This was a Laidlaw Waste Systems initiative spearheaded by Laidlaw employee Nyle Ludolph, the same gentleman who created the first blue box program.

Nyle used a federal grant to produce 600 backyard composters out of surplus 50-gallon drums and scrap wood (for the lids). Some modest promotion was put out to let residents know that these units were available for the asking, and all disappeared in short order. It is worth noting that a survey showed approximately 85 percent of those original units still in regular use last year, five years after they were distributed.

A few years after the Kitchener program, the Region of Peel (A Region is similar in structure to a county government), as part of its plan to reduce the volume of waste to be landfilled, began a small, but regular program to produce and distribute a few thousand backyard composters each year. Peel made theirs out of surplus plastic 50-gallon drums, with most of the labour performed by local Boy Scout troops. A brochure describ-



Households in Ontario generate about 88 kg of residential waste each month. The composters intercepted 32 percent of that total.

problem with insects' even when the insects actually didn't represent any kind of nuisance. Some of the problems listed by the users could be and are being fixed by minor design changes to the various composters.

#### DIVERSION AND COSTS

Average Ontario waste generation data suggests that for households of the size found in the Town of Newcastle, 88 kg of residential waste is produced each month. This study found that 28 kg, or 32 percent of this average waste generated, was intercepted by the composters. Even during this period of heavy yard waste generation, almost two thirds of the material diverted into the composters was food waste.

Finally, an attempt was made to calculate the actual costs to the municipality for running such a program, on a per-ton basis. We found that over a conservative 10-year amortization period, these composters would divert an average of 2.4 tonnes of waste each. If it is assumed that the cost to the municipality of purchasing and delivering these units is approximately \$45 each, you can calculate a system cost for this option of \$18.75/tonne. \$18.75 CDN per tonne is roughly equivalent to \$18.75 US per ton. There is no further operational or collection cost associated with this type of program. Once the composters have been installed, the municipality's involvement is ended, but for the possibility of providing for a troubleshooting

hotline for composter users to call.

In Ontario, the Environment Ministry's 50 percent funding program reduces this cost further still to around the \$10 per tonne range. By comparison, the Region is now paying a tipping fee of \$96/tonne, and local municipalities are incurring a further \$1/tonne or so collection cost on top of that.

Backyard composting has no collection cost and virtually no operating cost. Even the capital cost is remarkably modest. We found that we were spending about \$19/tonne to divert 32 percent of the residential waste stream. Backyard composting works. While this study identified a number of significant concerns that participants had with their composting units, we also found a very warm response to the idea, and a clear message that people were going to continue to use these composters.

What we still don't know is what the actual diversion might be on an annual basis, taking all the seasonal fluctuations into account. And we don't know what percentage of a typical town will want to use these units.

At this point, the Region has decided to expand to a 20,000-home study to try and answer some of these questions. ■

*Paul Taylor is President of Compost Management Associates, LTD., Toronto, Ontario. This report is based on a presentation at the 20th Annual BioCycle National Conference in Minneapolis, May 1990.*

## HIGH VOLUME CONVEYOR-FED PAPER SHREDDERS FOR DOCUMENT DESTRUCTION • ANIMAL BEDDING

- Strongest Warranty in the Industry
- Factory Direct Prices

- Built to Last
- Personalized Service



At Allegheny, we manufacture a complete line of American-made paper shredders that are ideal for the destruction of confidential documents or for turning newspaper into animal bedding. Our high volume conveyor-fed shredders have capacities ranging from 750 lbs up to 15 tons of paper per hour. For information on our complete shredding systems - centralized or mobile - ask for our free catalog and video.

(800) 245-2497, ext. 88

**ALLEGHENY PAPER SHREDDERS CORPORATION**  
Industry Leaders since 1968

Old William Penn Highway East  
Delmont, PA 15626  
(412) 468-4300



© Copyright 1990 Allegheny Paper Shredders Corporation

## We've Refined the Process, So You Can Refine the Waste

The Pos composting system is the result of twenty years of scientific research and development. We've taken the concept of simple in-vessel composting and integrated it into a complete system that controls the input variables, and optimizes aerobic activity.

The result is an extremely cost efficient process that gives a consistently high quality output with an amazing 10 day retention time.

Call us to find out more ... custom design consultation is available.

# COMPOSTER

Manufactured by:  
**LH Resource Management Inc.**  
Walton, Ontario, Canada N0K 1Z0  
Telephone (519) 887-9378  
Fax (519) 887-9011

## Sample Letter

Dear Regional/Municipal Planning Commission,

As you know the \_\_\_\_\_ County Solid Waste Planning Board has recently completed the \_\_\_\_\_ County Regional Solid Waste Management Plan which meets the requirements of the Solid Waste Management Act of 1991. Due to the fact that the planning document may affect the future of a given area in the Region, the document is to be made available to the appropriate municipal and regional planning commissions.

The Solid Waste Plan is available for your review in the \_\_\_\_\_ County Executive's office and the \_\_\_\_\_ County Library, Monday through Friday 8:30 a.m. to 4:30 p.m.. Any comments you may have on the Plan can be addressed to the \_\_\_\_\_ County Solid Waste Planning Board.

Thank you for your attention.



**POLICY REGARDING  
PLAN APPROVAL FOR OUT-OF-REGION BANS, FLOW CONTROL, AND  
PERMIT REVIEW**

**Division of Solid Waste Assistance  
Tennessee Department of Environment and Conservation**

**April 15, 1994  
615-532-0091**

When the Solid Waste Management Act of 1991 was drafted and passed, preservation of Tennessee's natural resources for landfill capacity to be used by Tennessee citizens was of primary concern to the Governor and the General Assembly. With this in mind, they included a provision for out-of-region solid waste bans, a provision for regional flow control, and a provision for regional permit approval. Every effort was made to avoid any infirmity under the commerce clause of the Constitution of the United States.

Courts have ruled that the commerce clause generally asserts that States may interfere with interstate commerce only when the Courts and/or Congress agree it is absolutely necessary in order to protect the health, welfare, and safety of state citizens. States must establish a clear and rational basis in order to justify statutes that arguably impact interstate commerce.

Since this issue is critically important to the Governor and the Commissioner, the Department intends to do all it can to steer regions toward compliance with the Act and a constitutionally defensible capacity preservation scheme. As the Department reviews out-of-region bans, flow control ordinances, and permit review schemes, we will look for adherence to the 1991 Act and most especially, **a justification or rationale tied to ten-year disposal needs for the region** outlined in the region's solid waste plan. This rationale for effectuating the regional plan is the linchpin of the 1991 Act's planning strategy. Establishing such a rationale will be a pivotal issue as Chapter XIII.\* of the plan is reviewed by the Department.

**In order to minimize the risk of exposing the 1991 Act to constitutional attack and in order to protect the interests of others who seek to benefit from options to preserve capacity in the Act, attempts in regional plans to impose out-region bans, flow control, or permit review which ignore or contradict the 1991 Act will be viewed with great scrutiny. Plans including schemes which clearly run counter to the 1991 Act will be rejected by the Department.**

**\*See Chapter XIII. (Flow Control and Permit Application Review) of the Guidelines for Preparation of a Municipal Solid Waste Regional Plan.**

**Suggested language for out-of-county bans in solid waste plans:**

To preserve available landfill capacity necessary to serve the \_\_\_\_\_ Solid Waste Planning Region, the \_\_\_\_\_ Solid Waste Planning Region elects to restrict the amount of solid waste that may be received from outside the region. Solid waste from outside the region may be received so long as planned capacity exists, but is hereby banned if and when there is no planned capacity remaining. The following formula shall be used to determine if planned capacity remains:

The remaining permitted capacity of the landfill, as determined by the Tennessee Division of Solid Waste Management, divided by the remaining years of this solid waste plan less the volume being received from the \_\_\_\_\_ Solid Waste Planning Region.\*

Volume received in excess of the above is banned.

**\*This formula for volume based municipal solid waste bans is recommended by the Department's Office of General Counsel. Although this language is not required, the important consideration is to tie proposed bans to the region's ability to effectuate the plan, specifically the ten year disposal capability required in the plan. This language outlines a strategy for justifying a ban and tying it to capacity without naming specific figures that may become outdated.**



# State of Tennessee

PUBLIC CHAPTER NO. 5

SENATE BILL NO. 1549

By Mr. Speaker Wilder, Leatherwood, Cooper, Cohen, Kyle, Ford, Crutchfield, McNally, O'Brien, Springer, Wallace, Burks

Substituted for: House Bill No. 1619

By Mr. Speaker Naifeh, Walley, Haley, Byrd, Chumney, Miller, Kisber, Phelan, Ridgeway, Rinks, Cole (Dyer), Jackson, Herron, McDaniel, Bittle, Hargrove, Rigsby, McMillan, Arriola, Joyce, Eckles, Curtiss, Lewis, Pinion, McDonald, Kerr, Bowers, Langster, Boyer

AN ACT To amend Tennessee Code Annotated, Title 68, Chapter 211 and Chapter 515 of the Public Acts of 1989, relative to solid waste disposal.

BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF TENNESSEE:

SECTION 1. Tennessee Code Annotated, Section 68-211-701, is amended by deleting item (2) in its entirety and by substituting instead the following:

(2) Both the county legislative body and the governing body of the municipality in which the proposed landfill is located, if such new construction is located in an incorporated area; or

SECTION 2. Tennessee Code Annotated, Section 68-211-705, is amended by deleting the section in its entirety.

SECTION 3. Tennessee Code Annotated, Section 68-211-707(a), is amended by deleting the language ", except for those counties or municipalities to which the provisions of this part do not apply pursuant to Section 68-211-705(b)". Tennessee Code Annotated, Section 68-211-707(a), is further amended by deleting the language "to a review and consideration for approval" in the second sentence and by substituting instead the language "to issuance of a permit".

SECTION 4. Tennessee Code Annotated, Section 68-211-708, is amended by deleting the section in its entirety.

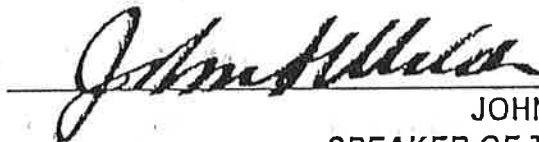
SECTION 5. Section 13 of Chapter 515 of the Public Acts of 1989 is amended by deleting the section in its entirety and by substituting instead the following:

This act shall take effect upon becoming a law, the public welfare requiring it.

SECTION 6. The provisions of this act shall take effect upon becoming a law, the public welfare requiring it and shall apply to all permit applications pending on the effective date of this act and all permit applications filed on or after the effective date of this act.

SENATE BILL NO. 1549

PASSED: March 13, 1995

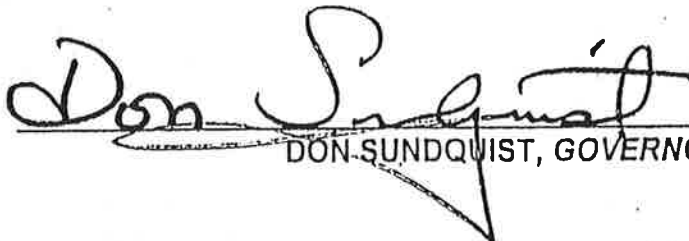


JOHN S. WILDER  
SPEAKER OF THE SENATE



JIMMY NAIFEH, SPEAKER  
HOUSE OF REPRESENTATIVES

APPROVED this 15 day of March 1995



DON SUNDQUIST, GOVERNOR

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774  
(423) 966-6097

APRIL 18, 1996

Paul Evan Davis  
Department of Environment and Conservation  
Division of Solid Waste Assistance  
401 Church Street, 14th Floor  
Nashville, TN 37243-0455

Dear Mr. Davis:

We are submitting responses to several deficiencies found in the Loudon County Municipal Solid Waste Plan. Specifically, we have addressed 1) Permit Review 2) Confirmation Records 3) Planning Commission Review and 4) Legitimacy of the Solid Waste Regional Planning Board. We are currently working on the remaining issues - Budget and Funding Information, Waste Reduction Goal and Implementation schedule. These will be forwarded as soon as they are complete. We appreciate your comments, and it is our goal to make this a solid plan for Loudon County.

Sincerely,  
Loudon County Solid Waste Disposal Commission

## CHAPTER XIII

### PERMIT REVIEW PROCESS FOR LOUDON COUNTY

## **Waste Permit Review Process for Loudon County**

### **Basis for Review**

The review of any application for waste disposal approval with the Loudon County Planning Region will be based upon compliance with the intent of the Plan as written, approved, and adopted. The primary questions to be answered are:

1. Will the additional waste-volume be needed for the Region to maintain an environmentally acceptable and cost-effective Class 1 disposal volume for the waste generated within the Region? (Loudon County is a Single County Region)
2. Will the location of the new waste-disposal facility\* or extension within the Region provide for more cost-effective disposal of waste without sacrificing environment?
3. Is the location of the facility suitable for a waste-disposal facility to serve the Region? In other words, waste-facilities and/or area designed to serve out-of-region waste will be considered to be not suitably located to serve the Region.
4. Will the cost impacts for providing infrastructure (roads, water, etc.) for importing waste into the Region exceed the cost savings provided by the additional waste facility?
5. Does the proposed facility meet with the zoning ordinances adopted and approved by the Loudon County Regional Zoning Commission and the Loudon County Commission? (See attachment, if any)

### **Application and Review Procedure**

1. A copy of all Waste Disposal Facility Permit Applications shall be submitted to the Chairman of the Loudon County Solid Waste Planning Board prior to submittal of said document to Tennessee Department of Environment and Conservation (TDEC), Division of Solid Waste Management. In addition to TDEC, DSWM Part 1 Application, this submittal shall include the following:

- Estimated total volume of the facility in tons of waste.
- Proposed daily tonnage of the facility.
- Proposed service area of the facility.
- Map showing the location of the site suitable for advertisement.
- Map showing current zoning of the site with a description of any special permits or re-zoning required and status of same.
- General site layout map showing proposed approximate facility footage, access roads, and solid waste management facilities proposed.
- Any preliminary site evaluation studies available (hydrogeologic, environmental, engineering, etc.).

An application fee will be established to cover the costs of the advertisement, public hearing, etc.)

2. The Solid Waste Board Chairman will advertise the proposal in the local newspapers of the County in which the disposal facility is proposed, as well as, in the newspapers of any solid waste region which has a portion of its land mass within five (5) miles of the proposed facility. This advertisement will include the following information:

- General description of the proposed facility.
- Road address and location relative to incorporated or unincorporated municipalities.
- Map showing the location of the site.
- Date, time, and location of public hearing (must be a least 28 days after advertisement runs).
- Dates of public comment period.
- Address for mailing of public comments.

3. The Board Chairman will send copies of the application to each member of the Board, the County Executive in the Region, County Commissioners in the Region, and the Tennessee Division of Solid Waste management.

4. The Board will call a special meeting which will act as the public hearing.

5. The public hearing will be in presentation format. The applicant will present a 15 minute discussion of the proposed project. This will be followed by a fifteen minute report from a representative of the Board. The public comment period will follow with comments limited to five (5) minutes per person. The hearings will be documented through a court recorder.

6. At the end of the public hearing, the Board will schedule another special meeting to be a minimum of two weeks and a maximum of four weeks after the public hearing.

7. At the second special meeting, the Board will discuss the issue and then will vote to reject or not the application.

8. The Board may reject an application for a new solid waste disposal facility or area, or expansion of an existing solid waste disposal facility within the Region, upon determining that the application is inconsistent with the solid waste management plan adopted by the Region and approved by the Tennessee Department of Environment and Conservation, Division of Solid Waste Assistance. The Board shall document in writing the specific grounds on which the application is inconsistent with the Plan. The vote will be decided by a simple majority. In the event of a tie vote, any abstentions will be repolled for a vote. In the event that the vote remains tied, a new special meeting will be called within two weeks and the application will be voted on again. In the event that the outcome remains a tie, the application will be automatically rejected. The outcome will be provided to the Owner and the Tennessee Department of Environment and Conservation, Division of Solid Waste Management.

9. If the Board does not reject the application, the applicant can proceed with the full permitting



process to the State. The State review process will determine the technical acceptability of the proposal. The Board's decision is based on siting and need for the facility.

10. Rejection of the proposal will result in the decision that the proposal is not consistent with the Loudon County Solid Waste Disposal Plan, and therefore, the facility cannot proceed through the State permitting process.

11. Appeal of final actions of the Board shall be taken by an aggrieved party within thirty (30) days to the Chancery Court. The court shall exercise the same review as it would in a case arising under Tennessee Code Annotated, Title 4, Chapter 5. For the purposed of this section, an "aggrieved party" shall be limited to persons applying for permits, persons who own property or live within a three (3) mile radius of the facility or site that is proposed for permitting, or cities and counties in which the proposed facility is located.

\*Waste disposal facility is defined in this document to include all areas which accept or process waste including but not limited to landfills, incinerators, composters, and fill-areas where waste permits are required.



# County of Loudon

GEORGE M. MILLER

COUNTY EXECUTIVE

100 RIVER RD. #106

LOUDON, TENNESSEE 37774

PH. 458-4664

June 13, 1995

Ms. Arlene Patton  
Division of Publication  
Secretary of State  
5th Floor, James K. Polk Building  
Nashville, TN 37243

Dear Ms. Patton:

The Loudon County Commissioners approved the "Jackson Law" at the regular meeting, which was held on May 1, 1995. The minutes for this meeting were approved at our last meeting (held on June 5, 1995). I have included a certified copy of the County Commission Meeting of May 1, 1995 and also a copy of the "Jackson Law" passed on that date for your records.

Thank you for your assistance in this matter.

Sincerely,

George M. Miller  
Loudon County Executive

Enclosures

cc: Attorney Harvey Sproul  
Loudon County Commissioners



LOUDON COUNTY COMMISSION

RESOLUTION NO. \_\_\_\_\_

RESOLUTION RATIFYING PART VII--LOCAL APPROVAL OF SOLID WASTE  
FACILITIES (T.C.A. 68-211-701 through T.C.A. 68-211-707),  
INCLUDING THE AMENDING PROVISIONS OF PUBLIC CHAPTER NO. 5 OF THE  
PUBLIC ACTS OF THE 1995 TENNESSEE LEGISLATURE, ALL PROVIDING FOR  
THE REQUIRED APPROVAL BY THE COUNTY LEGISLATIVE BODY OF CERTAIN  
NEW LANDFILLS FOR SOLID WASTE DISPOSAL OR PROCESSING IN  
LOUDON COUNTY

WHEREAS, T.C.A. 68-211-701 provides that no construction shall be initiated for certain new landfills in Loudon County for solid waste disposal or for solid waste processing until the plans for such new landfill have been submitted to and approved by the County legislative body, upon adoption of this local option public act by a two-thirds (2/3) vote of the County legislative body; and

WHEREAS, the Loudon County Commission feels that adoption of this requirement is in the best interest of the people of Loudon County;

NOW, THEREFORE, BE IT RESOLVED by the Loudon County Commission, in regular session assembled on this 1st day of May, 1995, that the aforesaid statutes, requiring approval before construction in Loudon County of certain solid waste facilities, is hereby adopted by a two-thirds vote of the County legislative body, the number of County Commissioners in Loudon County being nine (9), and the required number to adopt being six (6).

  
COUNTY CHAIRMAN

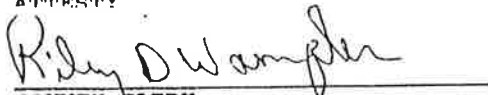
APPROVED:

  
COUNTY EXECUTIVE

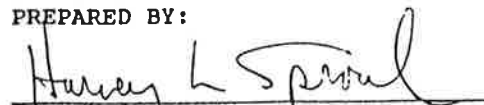
Voting For: \_\_\_\_\_

Voting Against: \_\_\_\_\_

ATTEST:

  
COUNTY CLERK

PREPARED BY:

  
COUNTY ATTORNEY

**APPENDIX A**

CURRENT LIST OF BOARD MEMBERS AND CONFIRMATION RECORDS OF  
APPOINTMENTS.

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
MEMBERS AS OF OCTOBER 1995

CHAIRMAN

Wayne Tolbert - CITIZEN APPOINTMENT  
9598 Antioch Church Road West  
Lenoir City, TN 37771  
work: 481-8703  
home: 986-3333

TREASURER

Albert Jorden Jr. - CITIZEN APPOINTMENT  
502 Mulberry  
Loudon, TN 37774  
work: 458-2071  
home: 458-5845

William Dunnill - REPRESENTING CITY OF LENOIR CITY  
P.O. Box 445  
Lenoir City, TN 37771  
work: 986-2715  
home:

Robert Harrison - REPRESENTING CITY OF LOUDON  
P.O. Box 327  
Loudon, TN 37774  
work: 458-1835  
home:

Sarah Simpson-Bivens - REPRESENTING LOUDON COUNTY COMMISSION  
5456 Harrison Bend Road  
Loudon, TN 37774  
work: 458-8716  
home: 458-5908

Sidney Mayes - CITIZEN APPOINTMENT  
820 Highway 70 West  
Lenoir City, TN 37771  
work:  
home: 986-4256

Ben Surrett - CITIZEN APPOINTMENT  
P.O. Box 294  
Loudon, TN 37774  
work:  
home: 458-2287

CITY OF LOUDON  
CITY HALL  
P.O. BOX 189  
LOUDON, TENNESSEE 37774


April 4, 1996

Mr. Wayne Tolbert  
Chairman, LCSWDC  
Loudon County Office Building  
100 River Road  
Loudon, Tennessee 37774

Dear Mr. Tolbert:

Enclosed please find a certified copy of the minutes of the September 14, 1995, City Council Meeting. At that meeting the City Council ratified or confirmed Mayor Swiney's nomination of Robert Harrison to serve on the LCSWDC.

Yours truly,



W. Barry Baker  
City Manager

WBB/swl

Enc.

July 10, 1995

After holding a public hearing concerning rezoning property on Highway 321, Tax Map 23B, Parcel 24.01, Group A at 7:15 PM, the Lenoir City Council met in its regular meeting at City Hall at 7:30 PM. Mayor Eblen and the following aldermen were present: Conner, Hamby, Hines, Maples, Pace, and Sims.

A motion was made by Hamby and seconded by Hines to approve the minutes of the previous meeting. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE.

Joyce Ballew Thurmer addressed the Council concerning patrolling the area in her neighborhood. Mayor Eblen advised her to speak to Police Commissioner Sims regarding the matter.

A motion was made by Pace and seconded by Sims to amend the zoning map of the City of Lenoir City, Tennessee pursuant to Chapter Seven, Section 13-7-204 of the Tennessee Code Annotated to rezone property on Highway 321, Tax Map 23-B, Parcel 24.01, Group A, from R-1, Low Density Residential to C-3, Highway Commercial District. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE. Third Reading. Ordinance Page 980-A.

Virginia Hackler addressed the Council concerning a donation to the 14 Year Old Lenoir City All-Star team to fund their expenses to the state tournament. Ms. Hackler was advised that before the funds could be donated, the request would have to be checked with the State of Tennessee Comptroller's office before funding could be considered. No action taken.

Carolyn Childs, Director of the Loudon County Resource Center announced to the Council that the Roane State Community College would be moved into their new location on Bon Street by the middle of August.

A motion was made by Hamby and seconded by Conner to accept the Mayor's recommendation to appoint James Hamilton to serve for a five year term on the Lenoir City Planning Commission. The following vote was recorded to: wit with Conner, Hamby, and Hines voting AYE. Maples, Pace, and Sims PASSED. Mayor Eblen voting AYE. Motion Passed.

A motion was made by Sims and seconded by Pace to accept the Mayor's recommendation to appoint Gene "Blackie" Johnson to serve for a five year term on the Lenoir City Planning Commission. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE.

A motion was made by Hines and seconded by Hamby to pass an ordinance to place a handicapped parking space, curb cut for a wheelchair ramp at the United Methodist Church located on B Street and give permission to block B Street from First to Second Avenues on July 16, 1995. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE. First Reading.

A motion was made by Sims and seconded by Hines to amend the quit claim deed to be awarded to Gene Shaver by adding Eddie Simpson to the deed. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE.

A motion was made by Sims and seconded by Hamby to award a quit claim deed for property located off of West Hills Drive to Gene Shaver and Eddie Simpson. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE.

A motion was made by Pace and seconded by Sims to omit items No. 8 and 9 from the agenda concerning the 1995-96 Lenoir City budget and tax resolution. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE.

A motion was made by Hines and seconded by Hamby to pass a resolution of support for the State of Tennessee Highway improvement priorities inside Loudon County. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE.

7/10/95 A motion was made by Pace and seconded by Hamby to appoint the City Administrator, Bill Dunnill to the Loudon County Solid Waste Commission. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE.

A motion was made by Pace and seconded by Sims to accept the bids for the surplus equipment from the following bidders: Ford LNT 8000 garbage truck; C&A Equipment Company-\$7,800.00, International 1600 Loadstar fire department truck; Gene Shaver-\$750.00, and IH Cub Tractor street equipment; Ron Capehart-\$1,107.95. There were no bids submitted for the utility bed for the street department equipment. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE.

A motion was made by Pace and seconded Sims to place out for bids the Duplex General fire truck. The equipment will be advertised in newspapers and antique magazine publications. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE.

A motion was made by Hines and seconded by Maples to pass an ordinance to place a four-way stop at the intersection of West Second Avenue and B Street. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE. First Reading.

A motion was made by Pace and seconded by Hamby to pass an ordinance to place a four-way stop at the intersection of West Second Avenue and B Street. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE. Second Reading.

A motion was made by Maples and seconded by Pace to add an item to the agenda concerning a handicapped parking space on First Avenue at the First Baptist Church. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE.

A motion was made by Hamby and seconded by Hines to pass an ordinance to designate a handicapped parking space on First Avenue at the First Baptist Church. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE. First Reading.

A motion was made by Sims and seconded by Pace to pass an ordinance to designate a handicapped parking space on First Avenue at the First Baptist Church. The following vote was recorded to: wit with Conner, Hamby, Hines, Maples, Pace, and Sims voting AYE. Second Reading.

The items No. 15, 16, 17, and 18 concerning appointment of David Denton to be the full-time Codes Enforcement Officer, Richard Martin being appointed as interim Fire Chief, the discharge of Jake Chapman and appointment of Jack Fine as the interim Police Chief, and the discharge of John R. Johnson and appointment of Johnny Adams, Sr. as interim Street Superintendent was not discussed because of a restraining order and an injunction bond being served upon the Mayor and Council.



## REGULAR MEETING

### LOUDON CITY COUNCIL

September 18, 1995

The regular meeting of the Loudon City Council was held on September 18, 1995, in the Council Meeting Room. The meeting was called to order at 7:30 PM. Those present were Mayor Bernie R. Swiney, Councilmen Randel Johns, Eugene Lambert and James Thomas. Councilman Michael Cartwright arrived at 8:20 PM. Others present were City Manager Barry Baker, Recorder Stephanie Putkonen and Attorney Edwin Arnold. The press was represented by Aaron DeWeese of the *News-Herald* and Sarah Simpson-Bivens of the *Loudon County Independent*. Approximately ten citizens were present.

Reverend A.D. Lewis, III held the invocation. Councilman Johns led the Pledge of Allegiance to the Flag of the United States of America.

The minutes of the regular meeting held August 21, 1995, were presented for approval. Motion was made by Councilman Lambert, seconded by Councilman Johns and unanimously passed, that the minutes of the August 21, 1995, regular meeting be approved as written.

The purchase of two (2) police cruisers were considered by council. The total cost of purchasing two cars at the state bid price is \$36,478. Motion was made by Councilman Thomas, seconded by Councilman Johns and unanimously passed to purchase two police for the total price of \$36,478.

Ms. Sarah Simpson-Bivens expressed her confusion about council's intentions regarding the displacement of people in the Riverfront Development area. She contends the confusion is due to rumors that the City of Loudon is acquiring property.

Mayor Swiney responded that the city has been contacted by some owners of property in the area, who wish to sell. He also stated that a representative on the Riverfront Development Committee will be a resident home owner.

Mr. Lewis Garner, a resident property owner of the area, also asked what the city's intentions are regarding acquisitions. Mayor Swiney said that the only property owners talked with are those who have contacted the city.

Councilman Lambert added that nothing will happen in the Riverfront area, if Don P. Smith Chair Co. is unable to relocate.

Ms. Simpson-Bivens expressed concern that the Riverfront Development Plan had changed from the one originally presented. Mayor Swiney assured her that the proposed plan is the same, but reminded her it is just a plan and it is an evolving project.

Council considered the final passage of an ordinance rezoning 1.87 acres on Harrison Bend Road. Motion was made by Councilman Lambert, seconded by Councilman Thomas that the following ordinance be passed on second reading:

ORDINANCE NO. 1995-10

AN ORDINANCE AMENDING THE ZONING MAP OF THE CITY OF LOUDON, TENNESSEE, PURSUANT TO CHAPTER SEVEN, SECTION 13-7-204 OF THE TENNESSEE CODE ANNOTATED TO REZONE PROPERTY CONSISTING OF 1.87 ACRES ON HARRISON BEND ROAD, TAX MAP 36, PARCEL 26.08, FROM R-1-S, SINGLE FAMILY RESIDENTIAL DISTRICT, TO R-2, HIGH DENSITY RESIDENTIAL DISTRICT

Upon a vote the AYES were Lambert, Thomas, Johns, and Swiney.

There were no NAY votes, therefore, Mayor Swiney declared the ordinance passed on second and final reading.

Council considered final reading of an ordinance to annex a parcel of property located on Holt Drive. Motion was made by Councilman Johns, seconded by Councilman Lambert that the following ordinance be passed on second reading:

ORDINANCE 1995-11

AN ORDINANCE ANNEXING CERTAIN TERRITORY AND INCORPORATING SAME WITHIN THE CORPORATE BOUNDARIES OF THE CITY OF LOUDON, TENNESSEE, PURSUANT TO TENNESSEE CODE ANNOTATED 6-51-102

Upon a vote, the AYES were Johns, Lambert, Thomas and Swiney.

There were no NAY votes. Mayor Swiney declared the ordinance passed on second and final reading.

Mayor Swiney recommended the passage on first reading of an ordinance to provide a Personal Leave Day for employees. Motion was made by Councilman Lambert, seconded by Councilman Johns to pass the following ordinance:

AMENDING ARTICLE XI, SECTION 5 OF THE PERSONNEL RULES AND REGULATIONS TO PROVIDE FOR A PERSONAL LEAVE DAY

Upon a vote, the AYES were Lambert, Johns, Thomas and Swiney.

There were no NAY votes. Mayor Swiney declared the ordinance passed on first reading. A public hearing was scheduled for 7:20 PM, October 16, 1995, prior to the regular monthly city council meeting.

Mayor Swiney recommended the expansion of the Riverfront Development Committee by three members. Motion was made by Councilman Thomas, seconded by Councilman Johns that the following resolution be passed:

RESOLUTION NO. 1995-43

INCREASING MEMBERSHIP OF THE RIVERFRONT  
DEVELOPMENT ADVISORY COMMITTEE

Upon a vote, the resolution passed unanimously.

Mayor Swiney asked council to approve the following members: Bo Carey, Dennis Brennan and Lewis Garner. Motion was made by Councilman Lambert, seconded by Councilman Thomas and unanimously passed to fill the three newly created positions on the Riverfront Development Advisory Committee with Bo Carey, Dennis Brennan and Lewis Garner.

Mayor Swiney advised council that an initial resolution authorizing the incurrence of debt needs to be passed. Motion was made by Councilman Johns, seconded by Councilman Thomas that the following resolution be passed:

RESOLUTION NO. 1995-44

INITIAL RESOLUTION AUTHORIZING THE INCURRENCE OF  
INDEBTEDNESS BY THE CITY OF LOUDON, TENNESSEE, OF  
NOT TO EXCEED \$3,000,000 BY THE EXECUTION WITH THE  
PUBLIC BUILDING AUTHORITY OF THE CITY OF CLARKSVILLE,  
TENNESSEE, OF A LOAN AGREEMENT OR OTHER INSTRUMENT  
EVIDENCING SUCH INDEBTEDNESS TO PROVIDE FUNDING  
FOR CERTAIN PUBLIC WORKS PROJECTS AND TO FUND THE  
INCIDENTAL AND NECESSARY EXPENSES RELATED THERETO

Upon a vote, the resolution passed unanimously.

Mayor Swiney told council that a resolution approving a loan agreement for the financing of the proposed projects needs to be passed in conjunction with the previous resolution. Motion was made by Councilman Lambert, seconded by Councilman Johns that the following resolution be passed:

RESOLUTION NO. 1995-45

A RESOLUTION TO APPROVE A LOAN AGREEMENT FOR THE  
PURPOSE OF PROVIDING FUNDS FOR FINANCING CERTAIN  
PUBLIC WORKS PROJECTS FOR THE CITY OF LOUDON, TENNESSEE

Upon a vote, the resolution passed unanimously.

Council considered a resolution expressing official intent to incur certain expenditures. Motion was made by Councilman Thomas, seconded by Councilman Johns and unanimously passed that the following resolution be passed:

RESOLUTION NO. 1995-46

RESOLUTION EXPRESSING OFFICIAL INTENT THAT CERTAIN EXPENDITURES TO BE INCURRED IN CONNECTION WITH CERTAIN PUBLIC WORKS PROJECTS FOR THE CITY OF LOUDON, TENNESSEE, AND RELATED EXPENDITURES BE REIMBURSED FROM PROCEEDS OF NOTES, BONDS, OR OTHER INDEBTEDNESS TO BE ISSUED BY THE CITY OF LOUDON, TENNESSEE

Upon a vote, the resolution passed unanimously.

Manager Baker explained the next resolution for consideration authorizes the filing of two grant applications for intersection improvements at Blair Bend Drive and Highway 11. One is for signalization, and the other is for channelization. Motion was made by Councilman Lambert, seconded by Councilman Thomas that the following resolution be passed:

RESOLUTION NO. 1995-47

AUTHORIZING GRANT APPLICATIONS TO THE TENNESSEE DEPARTMENT OF TRANSPORTATION FOR INTERSECTION IMPROVEMENTS AND SIGNALIZATION AT THE INTERSECTION OF HIGHWAY 11 AND BLAIR BEND DRIVE

Upon a vote, the resolution passed unanimously.

Manager Baker told council that a property owner had approached the city to buy four parcels of property in the Riverfront Development area. The property is due to be released from probate in early October. The property owner wants to sell at that time to settle the estate. There was considerable discussion regarding the acquisition of property in the Riverfront Development area.

Councilman Cartwright arrived during this discussion at 8:20 PM.

Mayor Swiney called for a Special Meeting to be held Monday, September 25, 1995.

Attorney Arnold suggested the Mayor and City Manager be authorized to secure options. After some discussion, motion was made by Councilman Lambert, seconded by Councilman Thomas that the following resolution be passed:

RESOLUTION NO. 1995-48

AUTHORIZING THE MAYOR OR CITY MANAGER TO SECURE OPTIONS TO ACQUIRE PROPERTY TO IMPLEMENT THE RIVERFRONT DEVELOPMENT PLAN

Upon a vote, the resolution passed unanimously.

Mayor Swiney advised council that management has requested to purchase a truck from Harry Gillman for leaf collection. The authorization of this purchase would require an unanimous vote. Motion was made by Councilman Thomas, seconded by Councilman Johns that the following resolution be passed:

RESOLUTION NO. 1995-49

APPROVING PURCHASE OF A 1987 FORD F-700 MODEL TRUCK

Upon a vote, the resolution passed unanimously.

Manager Baker explained that bids had been obtained for the leaf machine that will be installed on the truck for which the purchase was authorized by the preceding action. The bids are as follows:

CMI \$12,640.20

H.H. Hooper Machinery Co. 17,700.00

Motion was made by Councilman Cartwright, seconded by Councilman Thomas and unanimously passed to purchase the leaf machine from the low bidder, CMI for \$12,640.20.

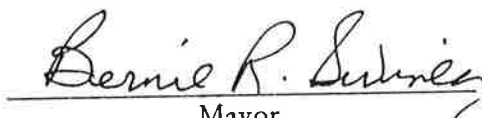
Mayor Swiney told council that Mr. Mel Hines has resigned from the Loudon County Solid Waste Disposal Commission (LCSWDC). He asked council to ratify his appointment of Robert Harrison to serve the remainder of the term. Motion was made by Councilman Cartwright, seconded by Councilman Lambert and unanimously passed to appoint Robert Harrison as the city's representative on the Loudon County Solid Waste Disposal Commission with a term to expire 2/28/99.

Mayor Swiney reported that Vickie Faulkner-Ritchie has also resigned from the Loudon County Cable Television Authority. He asked council to approve Mr. Hank Ritchie to serve the remainder of the term. Motion was made by Councilman Lambert, seconded by Councilman Thomas and unanimously passed that Hank Ritchie be appointed to serve on the Loudon County Cable Television Authority with a term expiring 12/20/96.

Manager Baker reported that he had received no response from Honda regarding the payment of the grading costs that exceed the grant agreement with the Tennessee Industrial Infrastructure Program (TIIP). He recommended no action regarding the award of contracts. He asked that the item be on the agenda for the special meeting Monday, September 25, 1995.

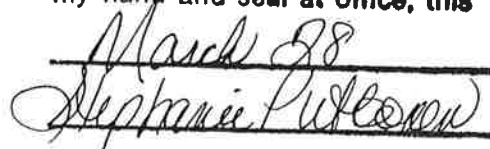
There being no further business, Mayor Swiney adjourned the meeting at 9:07 PM.

  
Recorder

  
Mayor

STATE OF TENNESSEE, CITY OF LOUDON

I, Stephanie Putkonen, City Recorder for the City of Loudon, certify this to be a true and correct copy of the original which is on file in my office at the City Hall in Loudon. Witness my hand and seal at office, this

 March 28, 1996  
Recorder

LOUDON COUNTY COMMISSION  
RESOLUTION NO. \_\_\_\_\_

RESOLUTION APPROVING OR ACKNOWLEDGING BOARD OR COMMITTEE  
APPOINTMENT BY COUNTY EXECUTIVE

WHEREAS, by statute, and/or intergovernmental agreement and/or County Procedural Regulations, the County Executive has authority to make certain committee and board appointments; and

WHEREAS, an appointment (or appointments) is necessary and/or desirable at this time; and

WHEREAS, the County Executive appoints the following as a member of:

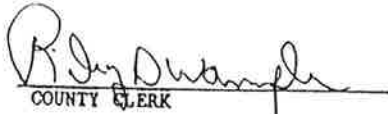
MUNICIPAL SOLID WASTE PLANNING REGION BOARD  
(Name of Committee or Board)

<u>Appointee</u>	<u>Term Expiration</u>
Panel A:	
I.D. "Babe" Conner	March 1999
Barry Baker	March 1999
Jerry Masingo	March 1999
Panel B:	
Al Jordan	March 1997
Wayne Tolbert	March 1997
Panel C:	
Aileen Longmire	March 1995
Frank Kamel	March 1995

NOW, THEREFORE, BE IT RESOLVED that the County Commission in regular session assembled this 1st day of March, 1993 hereby approves or acknowledges (as appropriate), the said appointment(s).

  
COUNTY CHAIRMAN

ATTEST:

  
COUNTY CLERK

APPROVED:

  
COUNTY EXECUTIVE

The remaining members and their continuing expiration terms for said board or committee are as follows:

	<u>Term Expiration</u>
Panel A: Initial 6 year term; 6 thereafter	
Panel B: Initial 4 year term; 6 thereafter	
Panel C: Initial 2 year term; 6 thereafter	

PUBLIC HEARING

COUNTY COMMISSION MEETING

MARCH 13, 1995

A PUBLIC HEARING was held at the Loudon County Courthouse on March 13, 1995, at 7:00 P.M. at the Loudon County Courthouse the purpose of:

1. Amendment to the Zoning Resolution of Loudon County, Tennessee, to rezone property at 1257 Rabytown Road referenced by Tax Map 8, Parcels 18.01, from A-1 Agriculture-Forestry District, to C-1, Rural Center District.

Mr. Donald Kyle, owner of the property to be rezoned, reported to the Commission that he built and operated a business in the area to be considered, before he realized that it was not zoned for commercial. He reported that he had obtained sufficient signatures on a petition from property owners in the area supporting the proposed rezoning.

2. Amendment to the Zoning Resolution of Loudon County, Tennessee, to rezone property in the Pines Subdivision, Leeper's Crossing Subdivision, and in the areas of Marbel Hill Road, Leepers Ferry Road, and Roax Road, and further referenced by Tax Map 40, Parcels:38.0,5.0,5.3,4.0, 3.03, 3.04,3.1,3.2,5.04, and 5.1, to include R-E, Single Family Exclusive Overlay District.

Mr. Walton, appeared as a spokesperson for the residents, and property owners in the Unitia area, near the Blount County line, He reported that this property was previously considered to be agricultural, but was undergoing a transition from farm to residential. He is concerned about mobile homes that have recently been moved to the area. He asks that the County Commission approve rezoning for the area.

No one else wished to speak, and Chairman Bledsoe declared the Public Hearing over.

COUNTY COMMISSION MEETING

Be it remembered that the Loudon County Legislative Body met in regular session on March 13, 1995, with the Chairman, Roy Bledsoe Presiding, County Court Clerk, Riley D. Wampler, and County Executive George Miller were present whereupon Sheriff Tim Guider opened court. Sheriff Guider presented Mr. John Amos. He is a member of the Boy Scouts of America, and attempting to earn a merit badge. To accomplish this he led the court in the Pledge of Allegiance to the flag, and gave the Invocation.

On Roll Call the following Commissioners were present:

Bledsoe	Maples	Park
Bivens	Ledbetter	Duff
Randolph	Masingo	Twiggs

(1)  
Buddy Kelley  
Zoning  
Matter  
dropped from  
Agenda

Commissioner Twiggs asked that item #4-C on the agenda (Buddy Kelley Zoning Matter), not be considered due to the fact that (1) it was too vague, (2) the item has not been presented to the Loudon County Planning Commission prior to it being placed on our agenda, (3) and it not being listed at the proper place or position on the agenda. Chairman Bledsoe asked Pat Phillips, County Planning Director, for his opinion on this matter. It was Mr. Phillips' opinion that no action could be taken on the issue since it had not been discussed and recommended by the Planning Commission, and to change the action taken on the

overlay it must now go back through the same process as before. The County Attorney's opinion was since the matter had been approved in the November 21, 1994, County Commission Meeting, it was now law, and to change this decision it must follow the same procedure as before. Chairman Bledsoe then stated his decision was that the item could be discussed, however, no action could be taken, and the item was removed from the agenda.

- (2) Commissioner Park made the motion that the minutes of February 6, 1995, be approved as submitted. It was seconded by Commissioner Twiggs. As a result of voice vote the minutes were unanimously approved.
- Approval of Minutes February 6, 1995
- (3) Commissioner Bivens presented Ms. Rosemary Kerr, the Guidance Counselor from Loudon Elementary School. She and members of the Kindergarten through fifth grade gave an entertaining presentation on "Buddies".
- (3) Ft. Loudoun Sch. presents program
- (4) At this time Chairman Bledsoe asked if anyone wished to speak on any item on the agenda and these persons spoke:
- Citizens speak on Agenda issues Canning and Constables
- Mr. Eroll Bickford, Loudon County Constable--4th district, spoke concerning the Constable issue. He wanted to repeat his position concerning the duties of constables.
- Ms. Eloise Zoner, citizen, is not in favor of traffic stops by Constables. She thinks that the our current law enforcement does an adequate job without the constables.
- Ms. Caye Freels, citizen and spokesperson for RID (Remove Intoxicated Drivers) organization, spoke in support of the Constables and the services they perform. She would like to see the issue resolved tonight. If guidelines are needed she suggests they be made.
- Mr. Odell Justice, was a constable for 32 years, but did not seek re-election the last term, citing health reasons. He thinks constables aid citizens in the county.
- Mr. Lewis Garner, citizen, spoke concerning the proposed Canning Resolution. He supports tougher enforcement of punishment for crimes, but does not think that canning is the answer.
- Ms. Teresa Hackler, citizen, thinks that constable Bickford does a good job. She also spoke out against canning.
- Mr. Gerald Pettyjohn, Constable, spoke of the money that constables save the County in uniform fees, providing their own cars, purchasing own gas, etc. He hopes issue can be resolved tonight.
- Ms. Elizabeth Justice, citizen, is concerned that canning is being considered, and is opposed to the resolution.
- Mr. Bill Williams, citizen, spoke on the constable issue. He is concerned about the performance of duties, and feels that Constable Bickford should address himself to other problems.
- Mr. Randy Freels, constable from the 6th district, thinks that Constable Bickford is doing the wishes of the voters in his district. He notes that constables are trained. He states that he would be willing to do the wishes of the County.
- Ms. Mary Longworth, Attorney, is embarrassed that the county would support canning.
- Mr. Keith Heide, citizen, on the issue of constables, feels that they should have more direction from the County.



Ms. Sharon Wheelen, citizen, spoke in support of the constables.

Mr. Rene Sonafeld, citizen, spoke in support of the constables, and he also spoke in favor of the canning issue.

Mr. Jack Racke, citizen and member of Tellico Village Volunteer Fire Department, supports the constables. He also spoke concerning canning, and is opposed.

Mr. Charles Cross, resident of 4th district, is opposed to the Canning Resolution Law and does not support this. He does support the constables actions.

Mr. Hugh Christian, Tellico Village resident, spoke concerning the constables. He feels that the County should give constable more directives.

Mr. Ronnie Helton, new 4th district resident, is supporting the constables, and feels they should be given more direction, and boundries should be set.

Mr. Kelsey McKewn, citizen, feels that the constables should be held accountable to some law enforcement officer.

Mr. Tim Moser, citizen, spoke on constable issue, feels they should obey the same traffic laws as citizens.

(5) No one speaks on items not on agenda The Chairman, Mr. Bledsoe asked if anyone else wished to speak on any issue not on the agenda, since no one wished to speak, Commissioner Park requested a five minute recess.

(6) Constable issue deferred to Committee County Executive, George Miller, stated that Commissioner Park wished to defer item 7-b (constable issue). Mr. Miller suggested the constable issue be deferred to a committee composed of: County Executive Miller, Chairman Bledsoe, two of the constables (to be appointed by the nine constables), Commissioner Park, Attorney Sproul, and Commissioner Ledbetter. This committee would bring recommendations to the next County Commission Meeting. Commissioner Duff made the motion that Mr. Miller's suggestion, that the item be dropped from the meeting's agenda and a committeement be appointed, be accepted. Commissioner Park seconded the motion. On voice vote--all voted in favor. Motion carried.

(7) Old & New National Guard Armory updates Concerning items one and two on the agenda, (discussion of old and New National Guard Armory properties) Mr. Miller referred the Commissioners to an information sheet that he handed out prior to the meeting concerning these properties. He reported that the results of the meeting with Adjutant General Wood, of the National Guard, were:

(1)The title to the old National Guard Armory building would be retained by the State until the fuel oil spill issue is resolved.

(2)The fuel tanks on-site at the old National Guard Armory have been added to a list (with the State Building Commission) to be removed.

(3)Concerning the old gymnasium at the new Hartsook-Stout Nation Guard Armory, the National Guard has requested funding to demolish that structure

(8) Discussion of Litter Control Program, the litter pick-up program is back in operation. Commissioner Randolph asked that a Litter Cont. Committee be formed to study the litter problem in the County. He made the motion that the committee be composed of: Ms. Ann Hammontree (Beautification Director), 3 citizens-at-large (1--1st & 4th districts, 1--2nd & 5th districts, 1--3rd & 6th district), and certain Commissioners. Mr. Miller asks if the Commissioners from each district would supply the names of those citizens from their district that they wish to serve on the committee. The motion was seconded by Commissioner Twiggs.

The result of a voice vote being--all voted in favor. Motion passed.

- (9) Appt. to E-911 Board  
Appointment to E-9-1-1 Board. Commissioner Randolph made the motion to approve County Executive Miller's choice of the appointees, with Commissioner Park seconding the motion. All voted in favor by voice vote. Submitted as Resolution # 31395 Exhibit A.
- (10) Appt. to Ind. Bond Brd. of Loudon Co.,  
Appointment to Industrial Bond Board of Loudon County, postponed from last meeting. The motion made by Commissioner Ledbetter and seconded by Commissioner Park, was approved by voice vote. Resolution # 31395 Exhibit B.
- (11) Appointments to Loudon Co. Solid Waste Disposal Comm.  
Appointment to Loudon County Solid Waste Disposal Commission. The Commission asked to vote on the Committee appointments separately Mr. Miller submitted the name of Mr. Sidney Mayes, and the motion was made by Commissioner Park, and seconded by Commissioner Duff. The results of voice vote indicated all Commissioners in favor. The motion carried. Mr. Benny Surrentt was submitted for the second member of the LCSWDC. The motion was made by Commissioner Maples and seconded by Commissioner Park. The results of a roll call vote:
- |           |      |         |     |        |     |
|-----------|------|---------|-----|--------|-----|
| Randolph  | pass | Maples  | yes | Park   | yes |
| Bivens    | no   | Masingo | yes | Duff   | yes |
| Ledbetter | yes  | Bledsoe | yes | Twiggs | no  |
- 6 yes-----2 no-----1 pass--motion carried  
Hereby attached as Resolution 31395 Exhibit C
- (12) Canning Resolution fails to pass  
Commissioner Park introduced the Canning Resolution, and much discussion resulted. He then made the motion to accept the Resolution, which was seconded by Commissioner Maples. The result of a roll call vote:
- |           |    |         |     |        |     |
|-----------|----|---------|-----|--------|-----|
| Randolph  | no | Maples  | yes | Twiggs | no  |
| Bivens    | no | Masingo | no  | Park   | yes |
| Ledbetter | no | Bledsoe | no  | Duff   | no  |
- 7 no-----2 yes-----Motion failed
- (13) Dis. on Comm. Ref. to W.S.  
Commissioner Randolph--Discussion and possible action pertaining to committees--he asked this be deferred to the upcoming County Commission Workshop.
- (14) Ad. Comm. Committee report  
(Addendum) Commissioner Twiggs--Building Commissioner's report. The Committee has five(5) recommendations as outlined in the Memorandum. Commissioner Twiggs made the motion that these be accepted, with Commissioner Ledbetter seconding the motion. The results of a voice vote being all in favor. Motion carried. Memorandum hereby attached as Exhibit D.
- (15) App. to pursue plans Bacon Bld.  
Mr. Pat Phillips, Planning Commissioner, told the Commission his office has had inquiries from developers who are interested in the Bacon Building. Commissioner Bivens made the motion that Mr. Phillips pursue the redevelopment plans for this property, and Commissioner Randolph seconded the motion. On voice vote, motion carried.
- (16) App. on GIS  
Mr. Phillips also stated the interlocal GIS agreement would hopefully be prepared by the next meeting. He presented the following zoning matters:
- (17) Resolution and app. Bacon Bld.  
Consideration of amendment to the Zoning Resolution of Loudon County, Tennessee, to rezone property at 1257 Rabytown road referenced by Tax Map 68, Parcels 18.01, from A-1, Agriculture-Forestry District, to C-1, Rural Center District. (unanimously approved by the Loudon County Planning Commission.) Commissioner Randolph made the motion that this amendment be approved, with Commissioner Masingo seconding the motion. Voice vote, all

Page 5--County Commissioner Meeting--March 13, 1995

in favor. Motion carried. Resolution #31395 Exhibit E.

- (18) Resolution and approval Re-Zoning property in Pines Sub. Consideration of amendment to the Zoning Resolution of Loudon County, Tennessee, to rezone property in The Pines Subdivision, Leeper's Crossing Subdivision, and in the areas of Marbel Hill Road, Leepers Ferry Road, and Roax Road, and further referenced by Tax Map 40, Parcels, 38.0, 5.0, 5.3, 4.0, 3.0, 3.03, 3.04, 3.1, 3.2, 5.04, and 5.1, to include R-E, Single Family Exclusive Overlay. After much discussion, Commissioner Masingo made the motion that this be approved, and Commissioner Park seconded the motion on the condition that the petition be certified as to the 75% of property owners, and also filed as part of the County Commission Minutes. On voice vote, Motion carried. Resolution #31395 Exhibit F.
- (19) Highway 321 Res. app. Recommendation on Hwy. 321 Proposal from Highway 11 (SR2) to Blount County line. The improvements are outlined in the Resolution. The motion that this be accepted was made by Commissioner Park, and seconded by Commissioner Duff. The results of a voice vote, other than Commissioner Bivens, all voted in favor. Hereby included as Resolution #31395 Exhibit D.
- (20) N. Richesin's Rep. Nancy Richesin, Director of Budget and Accounts, had no report.
- (21) D. Lawrence's report Doug Lawrence, Building Commissioner's report.  
Permits issued-----22 Est. new taxes-----\$11,000  
Fees collected-----\$2,484. Est. value/ permits-\$1,299,000.
- (22) Palmer's report Don Palmer, Road Commissioner, No Report.
- (23) H. Luttrell's Report Howard Luttrell, Purchasing Agent--Lease of Postage Meter--General Session's Office--Justice Center: Amt. \$100.00 per quarter. Motion was made to approve this lease by Commissioner Ledbetter, and seconded by Commissioner Maples. On voice vote all voted in favor. Motion carried.
- (24) Notary app. Commissioner Masingo submitted these names for Notaries, and made the motion they be approved. The motion was seconded by Commissioner Park. The Names are:  
Evelyn B. Parris Idus T. Littleton  
Sybille K. Pfeiffer Ruth Hildreth  
Bryan Helton, Jr.  
On voice vote all voted in favor. Motion carried.
25. Dismissal Commissioner Park made the motion that the meeting be adjourned at 9:10.

County Executive

  
County Court Clerk

as stated

LOUDON COUNTY COMMISSION

RESOLUTION NO. \_\_\_\_\_

RESOLUTION APPROVING OR ACKNOWLEDGING BOARD OR COMMITTEE  
APPOINTMENT BY COUNTY EXECUTIVE

WHEREAS, by statute, and/or intergovernmental agreement and/or County Procedural Regulations, the County Executive has authority to make certain committee and board appointments; and

WHEREAS, an appointment (or appointments) is necessary and/or desirable at this time; and

WHEREAS, the County Executive appoints the following as a member of:

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
(Name of Committee or Board)


Appointee	Term Expiration
<u>Panel C</u>	_____
<u>Benny Surrett</u>	<u>March 2001</u>
<u>Sidney Mayes</u>	<u>March 2001</u>

NOW, THEREFORE, BE IT RESOLVED that the County Commission in regular session assembled this 13th day of March, 1995 hereby approves or acknowledges (as appropriate), the said appointment(s).

\_\_\_\_\_  
COUNTY CHAIRMAN

APPROVED:

ATTEST:

  
COUNTY CLERK

\_\_\_\_\_  
COUNTY EXECUTIVE

The remaining members and their continuing expiration terms for said board or committee are as follows:

Appointee	Term Expiration
<u>Panel A</u>	_____
<u>Sarah Simpson Bivens</u>	<u>March 1999</u>
<u>Don Pace</u>	<u>March 1999</u>
<u>Mel Hines</u>	<u>March 1999</u>
<u>Panel B</u>	_____
<u>Al Jordan</u>	<u>March 1997</u>
<u>Wayne Tolbert</u>	<u>March 1997</u>

Elbit - C

## CHAPTER XII

1. LETTERS TO PLANNING COMMISSIONS
2. DOCUMENTATION FROM TOWN COUNCILS APPROVING THE LOUDON COUNTY  
SOLID WASTE DISPOSAL COMMISSION

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774  
(423) 966-6097

APRIL 18, 1996

CITY OF LOUDON PLANNING COMMISSION

Dear Loudon Planning Commission,

As you know the Loudon County Solid Waste Disposal Commission has recently completed the Loudon County Regional Solid Waste Management Plan which meets the requirements of the Solid Waste Management Act of 1991. Due to the fact that the planning document may affect the future of a given area in the Region, the document is to be made available to the appropriate municipal and regional planning commissions.

The Solid Waste Plan is available for your review in the Loudon County Executive's office during regular business hours. If you would like a copy of the Plan, please contact Beth Burklin at the number above. A copy of the Plan was sent to each member of City Council in May 1994. Any comments you may have on the Plan can be addressed to the Loudon County Solid Waste Disposal Commission.

Thank you for your attention.

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774  
(423) 966-6097

APRIL 18, 1996

LENOIR CITY PLANNING COMMISSION

Dear Lenoir City Planning Commission,  
As you know the Loudon County Solid Waste Disposal Commission has recently completed the Loudon County Regional Solid Waste Management Plan which meets the requirements of the Solid Waste Management Act of 1991. Due to the fact that the planning document may affect the future of a given area in the Region, the document is to be made available to the appropriate municipal and regional planning commissions.

The Solid Waste Plan is available for your review in the Loudon County Executive's office during regular business hours. If you would like a copy of the Plan, please contact Beth Burklin at the number above. A copy of the Plan was sent to each member of City Council in May 1994. Any comments you may have on the Plan can be addressed to the Loudon County Solid Waste Disposal Commission.

Thank you for your attention.

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774  
(423) 966-6097

MAY 16, 1996

Paul Evan Davis  
Department of Environment and Conservation  
Division of Solid Waste Assistance  
401 Church Street, 14th Floor  
Nashville, TN 37243-0455

Dear Mr. Davis:

We are submitting responses to several deficiencies found in the Loudon County Municipal Solid Waste Plan. Specifically, we have addressed 1) Budget and Funding information 2) Implementation Schedule 3) Exceptions to the Annual Report (including Waste Reduction goals and a request for variance). Previously we submitted information on Permit Review, Appointment Letters/Confirmation Records, Legitimacy of the Loudon County Solid Waste Disposal Commission, and letters for Planning Commission Review. This is all the information that was requested in the ten-year plan comments as well as the annual report comments. If any further information is needed to approve Loudon County's ten-year plan, please let us know.

Sincerely,  
Loudon County Solid Waste Disposal Commission



[illegible]

# TEN YEAR IMPLEMENTATION SCHEDULE FOR RECYCLING AND SOURCE REDUCTION

Recycling and Source Reduction	Fiscal Year										Responsible Party
Action	93/94	94/95	95/96	96/97	97/98	98/99	99/00	00/01	01/02	02/03	
Expand existing recycling services at convenience center to include more materials (identify markets, renegotiate collection contract, grant application completed, prepare equipment bid specifications, purchase and install equipment)											County & LCSWDC
Develop new recycling site at additional convenience center site (includes tasks listed in row above)											County
Operate new recycling site											
Continue to provide recycling education in local schools											KAB
Provide recycling and waste reduction education to residents and businesses											KAB
Join and participate in the Recycling Cooperative for East Tennessee, Inc. (RMCET, Inc.)											LCSWDC, County & Cities
Consolidate recycling data for the Region											LCSWDC





# TEN YEAR IMPLEMENTATION SCHEDULE FOR PROBLEM WASTES

Problem Wastes Action	Fiscal Year										Responsible Party
	93/94	94/95	95/96	96/97	97/98	98/99	99/00	00/01	01/02	02/03	
Coordinate household hazardous waste collection with State's mobile units	•										SANTEK, LCSWDC, KAB & County
Hold household hazardous waste collection event		•									County
Develop and continue to store tires at landfill and utilize State's grant program to transport tires to end-use		•									LCSWDC
Develop and continue to collect waste oil and batteries at the landfill	•										LCSWDC & SANTEK
Continue and expand litter control and clean-up efforts											KAB, County & LCSWDC

Note: Shading = individual or multiple years in which the activity will take place.

Dots = start-up of the activity.

LCSWDC = Loudon County Solid Waste Disposal Commission

KAB = Loudon Keep America Beautiful system

SANTEK = SANTEK Environmental, Inc.

**LOUDON COUNTY 10-YEAR SOLID WASTE BUDGET**

**116 SANITATION EDUCATION / INFORMATION 55720**

Code Description	Fiscal year 93/94	Fiscal year 94/95	Fiscal year 95/96	Fiscal year 96/97	Fiscal year 97/98	Fiscal year 98/99	Fiscal year 99/00	Fiscal year 00/01	Fiscal year 01/02	Fiscal year 02/03
149 Laborers	28,095	29,062	30,101	31,154	75,000	77,625	80,342	85,154	88,134	91,218
201 Social Security	0	0	0	0	0	0	0	0	0	0
212 Employer Medicare	0	0	0	0	0	0	0	0	0	0
307 Communication	293	235	300	310	600	621	643	666	689	713
312 Contracts with Private Agencies	88,169	114,617	140,000	144,900	200,000	207,000	214,245	221,743	229,504	237,536
331 Legal Services	0	3,052	0	0	0	0	0	0	0	0
452 Utilities	1,409	1,487	1,500	1,553	2,000	2,070	2,142	2,217	2,294	2,374
724 Site Development	0	0	0	97,000	0	0	0	0	0	0
733 Solid Waste Equipment	0	0	0	50,000	0	0	0	0	0	0
<b>Total</b>	<b>117,966</b>	<b>148,453</b>	<b>171,901</b>	<b>324,917</b>	<b>283,000</b>	<b>287,316</b>	<b>297,372</b>	<b>309,780</b>	<b>320,621</b>	<b>331,841</b>

Note: Includes collection, recycling and disposal services.

**116 SANITATION MANAGEMENT 55710**

Code Description	Fiscal year 93/94	Fiscal year 94/95	Fiscal year 95/96	Fiscal year 96/97	Fiscal year 97/98	Fiscal year 98/99	Fiscal year 99/00	Fiscal year 00/01	Fiscal year 01/02	Fiscal year 02/03
105 Salaries	15,558	16,980	16,686	17,270	17,874	18,500	19,148	19,818	20,512	21,230
189 Other Wages	5,687	4,452	5,700	5,900	6,107	6,321	6,542	6,771	7,008	7,253
201 Social Security	1,625	1,636	1,730	1,790	1,853	1,918	1,985	2,055	2,127	2,201
307 Communication	333	39	400	414	429	444	460	476	493	510
355 Travel	963	1,200	1,200	1,242	1,285	1,330	1,377	1,425	1,475	1,527
435 Supplies	138	6,291	300	310	321	332	343	355	367	380
499 Other Supplies	2,311	316	2,500	2,588	2,678	2,772	2,869	2,969	3,073	3,181
<b>Total</b>	<b>26,615</b>	<b>30,914</b>	<b>28,516</b>	<b>29,514</b>	<b>30,527</b>	<b>31,617</b>	<b>32,724</b>	<b>33,869</b>	<b>35,055</b>	<b>36,282</b>

Note: Includes public education services.

**LOUDON COUNTY 10-YEAR SOLID WASTE BUDGET (continued)**

**SOLID WASTE ACCOUNT TOTALS**

Code Description	Fiscal year 93/94	Fiscal year 94/95	Fiscal year 95/96	Fiscal year 96/97	Fiscal year 97/98	Fiscal year 98/99	Fiscal year 99/00	Fiscal year 00/01	Fiscal year 01/02	Fiscal year 02/03
55720 Sanitation Education	117,966	148,453	171,901	324,917	283,000	287,316	297,372	309,780	320,621	331,841
55710 Sanitation Management	26,615	30,914	28,516	29,514	30,527	31,617	32,724	33,869	35,055	36,282
Total	144,581	179,367	200,417	354,431	313,527	318,933	330,096	343,649	355,676	368,123

**PROJECTED REVENUES**

Code Description	Fiscal year 93/94	Fiscal year 94/95	Fiscal year 95/96	Fiscal year 96/97	Fiscal year 97/98	Fiscal year 98/99	Fiscal year 99/00	Fiscal year 00/01	Fiscal year 01/02	Fiscal year 02/03
Litter Grant	26,500	27,000	27,500	28,000	28,500	29,000	29,500	30,000	30,500	31,000
Solid Waste Grants	0	25,000	0	125,000	0	0	0	0	0	0
General Fund Transfer	118,081	127,367	172,917	201,431	285,027	289,933	300,596	313,649	325,176	337,123
Total	144,581	179,367	200,417	354,431	313,527	318,933	330,096	343,649	355,676	368,123

Note: 3.5% cost of living increase used for fiscal year 96/97 through 02/03.

**LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION (LCSWDC) 10-YEAR SOLID WASTE BUDGET**

**PROJECTED EXPENDITURES**

Description	Fiscal year 93/94	Fiscal year 94/95	Fiscal year 95/96	Fiscal year 96/97	Fiscal year 97/98	Fiscal year 98/99	Fiscal year 99/00	Fiscal year 00/01	Fiscal year 01/02	Fiscal year 02/03
Landfill management (SANTEK)	1,406,996	1,997,391	1,308,335	1,626,674	1,699,474	1,775,675	1,854,768	1,937,229	2,019,486	2,105,059
Contracts with other private agencies	76,635	20,600	21,000	21,735	22,495	23,283	24,097	24,941	25,814	26,717
State surcharge	115,837	84,679	37,814	45,483	45,902	46,327	46,754	47,182	47,511	47,842
Tire recycling	0	9,800	13,066	13,523	13,997	14,487	14,994	15,518	16,062	16,624
Recycling	0	4,077	2,387	46,073	3,544	3,668	3,796	3,929	4,066	4,209
Annual maintenance fee & other permits	15,000	15,000	12,000	12,420	12,855	13,305	13,770	14,252	14,751	15,267
Office supplies, postage, etc.	3,727	3,952	3,920	4,058	4,200	4,347	4,499	4,657	4,820	4,988
Insurance	1,000	0	2,216	2,294	2,374	2,457	2,543	2,632	2,724	2,819
<b>Total</b>	<b>1,619,195</b>	<b>2,135,499</b>	<b>1,400,738</b>	<b>1,772,260</b>	<b>1,804,841</b>	<b>1,884,549</b>	<b>1,965,221</b>	<b>2,050,340</b>	<b>2,135,234</b>	<b>2,223,525</b>

Note: Includes disposal, problem waste and recycling services for Region.

**PROJECTED REVENUES**

Description	Fiscal year 93/94	Fiscal year 94/95	Fiscal year 95/96	Fiscal year 96/97	Fiscal year 97/98	Fiscal year 98/99	Fiscal year 99/00	Fiscal year 00/01	Fiscal year 01/02	Fiscal year 02/03
Tipping fees & interest	2,305,157	2,467,525	1,467,367	1,772,260	1,838,620	1,919,044	2,002,979	2,090,906	2,177,896	2,268,825



# TEN-YEAR SOLID WASTE BUDGET FOR THE REGION OF LOUDON COUNTY

## PROJECTED EXPENDITURES

Code Description	Fiscal year 93/94	Fiscal year 94/95	Fiscal year 95/96	Fiscal year 96/97	Fiscal year 97/98	Fiscal year 98/99	Fiscal year 99/00	Fiscal year 00/01	Fiscal year 01/02	Fiscal year 02/03
Lenoir City	295,253	305,587	425,000	439,875	455,271	471,205	487,697	504,766	522,433	540,718
City of Loudon	216,644	224,227	232,075	240,198	248,605	257,306	266,312	275,633	285,280	295,265
Loudon County	144,581	179,367	200,417	354,431	313,527	318,933	330,096	343,649	355,676	368,123
LCSWDC	1,619,195	2,135,499	1,400,738	1,772,260	1,804,841	1,884,549	1,965,221	2,050,340	2,135,234	2,223,525
Total	2,275,673	2,844,680	2,258,230	2,806,764	2,822,244	2,931,993	3,049,326	3,174,388	3,298,623	3,427,631

Note: Cities expenditures include collection and disposal costs.

## PROJECTED REVENUES

Code Description	Fiscal year 93/94	Fiscal year 94/95	Fiscal year 95/96	Fiscal year 96/97	Fiscal year 97/98	Fiscal year 98/99	Fiscal year 99/00	Fiscal year 00/01	Fiscal year 01/02	Fiscal year 02/03
Lenoir City	295,253	305,587	425,000	439,875	455,271	471,205	487,697	504,766	522,433	540,718
City of Loudon	216,644	224,227	232,075	240,198	248,605	257,306	266,312	275,633	285,280	295,265
Loudon County	144,581	179,367	200,417	354,431	313,527	318,933	330,096	343,649	355,676	368,123
LCSWDC	2,305,157	2,467,525	1,467,367	1,772,260	1,838,620	1,919,044	2,002,979	2,090,906	2,177,896	2,268,825
Total	3,618,113	3,176,706	2,324,859	2,806,764	2,856,023	2,966,488	3,087,084	3,264,954	3,341,285	3,472,931

### Funding Sources:

Lenoir City - General Fund & Monthly Fee

City of Loudon - General Fund

Loudon County - General Fund, Solid Waste Grants, and Litter Grant


LCSWDC - Tipping Fees



STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
Division of Solid Waste Assistance  
14th Floor, L & C Tower  
401 Church Street  
Nashville, TN 37243-0455

MEMORANDUM

TO: Regional Solid Waste Planning Board Chairmen  
County Executives

FROM: Paul Evan Davis, Director 

SUBJECT: **Solid Waste Plans- Annual Progress Reports**

DATE: December 4, 1995

Beginning March 1, 1994 and each year thereafter, the Solid Waste Management Act of 1991 [ T. C. A. §68-211-871 (a)] requires each solid waste planning region to submit an annual report to the State. The region's 1995 annual report is due in the Department of Environment and Conservation by March 31, 1996.

A guidance document is enclosed to assist you with preparing your report. You are not required to submit the information in this document. You must, however, include all of the information and in the same order as required in the enclosed guidance document. Furthermore, we are now requiring the Chairman of the Solid Waste Planning Region and the County Executive of each county located within the region to sign the report.

The report is divided into four categories of information as follows:

- General information;
- Annual Report issues raised in the Department's plan evaluations;
- The recycling contact; and
- Progress, updates and changes in the region's ten year plan.

Please pay particular attention to the waste reduction section of the guidelines. This year, 1995, is when each region is required to determine if it has achieved the 25% waste reduction goal required in the Act. If it is determined the region failed to achieve the goal, a variance request must be received by the Division no later than **March 31, 1996**. The information in the report will be considered an update to the region's ten year solid waste plan and shall be filed with the complete plan previously filed with the Department of Environment and Conservation.

Please contact our office at (615) 532-0091 for assistance or clarification concerning any part of this report.

PED/dlm

cc: UT-C.T.A.S. Solid Waste Management Consultants  
Development District Solid Waste Staff

Enclosure

**GUIDELINES ON SOLID WASTE REGIONAL PLANS'  
ANNUAL PROGRESS REPORTING  
(January 1, 1995 through December 31, 1995)**

**Due March 31, 1996**

**NOTE:** The information required to be submitted, as outlined in this guidance, will be considered an update to the Region's ten year solid waste plan submitted in 1994 and shall be filed with the complete plan at the Department of Environment and Conservation.

Should the region have difficulty collecting the necessary information for annual planning reports and/or five-year revisions, the statute allows the region to compel those persons actively engaged in the collection, transportation, and disposal of municipal solid waste to provide the necessary information [T.C.A. §68-211-871(c)(d)]. If the region needs further assistance, please contact the Division of Solid Waste Assistance at (615) 532-0091.

**I. GENERAL INFORMATION**

Name of Region: Loudon County

Name of Counties within Region: Loudon County

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name of person completing report: Beth Burklin

Relationship to region (e.g., Chairman of Regional Planning Board; Consultant, Development District, etc.): Administrative Assistant to the  
Loudon County Solid Waste Disposal Commission

Address: 100 River Road #109, Loudon, TN 37774

Telephone: (423) 966-6097

**Include any changes (by name and position) in the Region's planning board since the last annual report.** See Attachment 1.

Has the Region made use of State sponsored solid waste information assistance and seminars over the past year?   x   Yes        No

What topics would you like to see addressed in State seminars in 1996? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

This flexibility in altering planning strategy **does not relieve regions, counties, cities, and/or authorities of their responsibility to achieve the act's mandates** (like the 25% per capita waste reduction goal).

The following questions are organized according to topics raised in the Guidelines for the Preparation of a Municipal Solid Waste Regional Plan (Chapters 4-13). They are designed to evaluate progress in the plan implementation process and identify any significant changes in strategy to achieve the Region's goals.

#### **CHAPTER 4. WASTE REDUCTION (the 25% Waste Reduction Goal)**

As mandated in the Solid Waste Management Act of 1991 [T.C.A. 68-211-861] the region's 25% **per capita** waste reduction goal is to be evaluated as of December 31, 1995. Disposal figures available as of December 31, 1995, should be compared with base year generation (based on disposal at Class I facilities) and population figures collected by the University of Tennessee in 1989 ( **Note:** Many regions sought and received adjustments in base year data from the Department due to the subsequent revelation of more reliable reporting methods). The Act mandates a 25% **per capita** reduction between 1989 and 1995. All solid waste generated within your region must be accounted for as the basis for calculating your region's **per capita** waste reduction rate.

According to the Department's current records, your region's population in 1989 was 31,500 (see Attachment #1 column 2) and your region's generation (based on waste generated in the region and disposed at Class I landfills or incinerators in or out of the region in 1989) was 67,930 tons (see Attachment #1 column 3), for a **per capita** generation rate of 2.16 tons per year (see Attachment #1 column 3). According to these figures, the region's per capita generation (based on waste generated in the region and disposed at Class I landfills or incinerators in or out of the region) rate in 1995 should be 1.62 or below (see Attachment #1 column 5).

What is your region's population (see Attachment #1 column 4 or the results of a documented certified census) 32,719 and number of tons of solid waste generation 59,772 in 1995 (based on waste generated in the region and disposed at Class I landfills or incinerators in or out of the region)? Using the formula below, the region's resulting per capita generation rate for 1995 is 1.83 tons.

**( Formula: 1995 tons generated ÷ 1995 population = region's tons per capita )**

(Documentation, attested to by an elected official, to support the 1995 disposal figures should be included in the report). See Attachment 2.

**If the per capita rate meets the 25% per capita waste reduction goal indicated in column 5 of Attachment #1, no further action is required. If a region falls short of**

the tonnage of materials collected in your region can be obtained by contacting Alan Ball, Division of Solid Waste Assistance, at (615) 532-0090

- Waste tires that are diverted to beneficial end-use or sold to end-users (not landfilled) **can be** considered as diversion. Document the tonnage and the end-use of the tires.
- Used automotive oil collected (not allowed to be landfilled) at **do-it-yourself** used oil collection centers **can be** considered as diversion. Gallons must be converted to pounds using a weight of 7.62 pounds per gallon. The Division may have information which may be helpful to the region in this matter. Contact Jim Coe, Division of Solid Waste Assistance, at (615) 532-0281 if assistance is required.
- Compost/mulch volumes **can be** considered as diversion **if put to beneficial end-use**. No compost or mulch can be considered if landfilled, and at least 75% must be marketed in order to be considered. Volumes must be documented including the beneficial end-use of the product.
- Source reduction activity by commercial businesses and industry **may be** considered as diversion if properly documented by the region. Such documentation should include the materials and tonnage as well as what was done to reduce the waste. Also, please identify any regional or local outreach programs that were implemented to assist business with waste reduction.
- No illegal disposal methods may be considered to be solid waste diversion.

If the region is not meeting their plan's mandated goal AND the Department does not receive a request for a variance, then the Department will consider the region out of compliance with the Act and a warning letter will be issued. The region has ninety (90) days from the issuance of the warning letter to return to compliance before losing eligibility for funds from the solid waste management fund [ T. C. A. §68-211-816 (a) (1) (2) (3) ].

Were waste reduction targets and methods followed as outlined in the Region's ten year solid waste plan?   x   Yes        No

If "No", please describe any significant changes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## CHAPTER 5. WASTE COLLECTION AND TRANSPORTATION

By January 1, 1996, each county in the Region should have assured adequate collection ( T. C. A. §68-211-851 ) to meet the needs of its citizens. For additional information, refer to the Fact Sheet on COUNTY-WIDE COLLECTION ASSURANCE issued by the Division in June 1995 (see Attachment #2).

## CHAPTER 7. COMPOSTING, SOLID WASTE PROCESSING, WASTE TO ENERGY, AND INCINERATION CAPACITY

Does the reduction strategy in the Region's ten year solid waste plan rely upon any methods discussed in this chapter to meet the 25% waste reduction goal?

\_\_\_\_ Yes   x   No

If "Yes", have the Region's plans with regard to these methods changed significantly from the intentions described in the Region's ten year solid waste plan?

\_\_\_\_ Yes \_\_\_\_ No

If "Yes", please describe any significant changes: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## CHAPTER 8. DISPOSAL CAPACITY

Did each county in the region assure adequate disposal to meet the needs of its citizens by January 1, 1996?   x   Yes \_\_\_\_ No

Have the Region's plans to assure ten year solid waste disposal capacity for the Region changed significantly from the intentions described in the Region's ten year solid waste plan? \_\_\_\_ Yes   x   No

If "Yes", please describe any significant changes: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## CHAPTER 9. PUBLIC INFORMATION AND EDUCATION

Have the Region's education and information goals and plans changed significantly from the intentions described in the Region's ten year solid waste plan?

\_\_\_\_ Yes   x   No

If "Yes", please describe any significant changes: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If "Yes", which jurisdictions are actively participating in the Authority (named in the creating resolution): \_\_\_\_\_

If "Yes", briefly describe the Part 9 Solid Waste Authority's mission and title: \_\_\_\_\_

### CHAPTER 13. PERMIT APPLICATION REVIEW

Is the Region attempting to control the flow of solid waste, either into or out of the region, by statutory, contract or other method(s) ☒ Yes \_\_\_\_\_ No

If "Yes", please describe: The Landfill and the Convenience Center  
cannot accept any out of county waste.

Is the Region aware that the SOLID WASTE REGIONAL PLANNING BOARD (or Part 9 Authority, if one has been created) is responsible for permit review of proposed new disposal facilities once the Region's ten year solid waste plan has been approved? ☒ Yes \_\_\_\_\_ No

Is the Region aware that the solid waste regional planning board (or Part 9 Authority, if one has been created) may reject an application for a permit for a new solid waste disposal facility or incinerator within the region ONLY upon determining that the application is **INCONSISTENT WITH THE REGION'S TEN YEAR SOLID WASTE PLAN [T.C.A. §68-211-814(b)(2(B))]**? ☒ Yes \_\_\_\_\_ No

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

Wayne Tolbert

Signature of the Chairman of the Solid Waste Region

March 28, 1996

Date

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

Wayne M. Miller

Signature of the County Executive(s)

3/29/96

Date

**PLEASE SUBMIT THE INFORMATION REQUIRED IN THIS GUIDELINE DOCUMENT  
BY MARCH 31, 1996, TO:**

Tennessee Department of Environment and Conservation  
Division of Solid Waste Assistance  
Paul Evan Davis, Director  
14th Floor, L & C Tower  
401 Church Street  
Nashville, TN 37243-0455

**HAVE QUESTIONS? Call Elizabeth Blackstone or Don Manning at 615-532-0091.**



LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
MEMBERS AS OF OCTOBER 1995

CHAIRMAN

Wayne Tolbert - CITIZEN APPOINTMENT  
9598 Antioch Church Road West  
Lenoir City, TN 37771  
work: 481-8703  
home: 986-3333

TREASURER

Albert Jorden Jr. - CITIZEN APPOINTMENT  
502 Mulberry  
Loudon, TN 37774  
work: 458-2071  
home: 458-5845

William Dunnill - REPRESENTING CITY OF LENOIR CITY  
P.O. Box 445  
Lenoir City, TN 37771  
work: 986-2715  
home:

Robert Harrison - REPRESENTING CITY OF LOUDON  
P.O. Box 327  
Loudon, TN 37774  
work: 458-1835  
home:

Sarah Simpson-Bivens - REPRESENTING LOUDON COUNTY COMMISSION  
5456 Harrison Bend Road  
Loudon, TN 37774  
work: 458-8716  
home: 458-5908

Sidney Mayes - CITIZEN APPOINTMENT  
820 Highway 70 West  
Lenoir City, TN 37771  
work:  
home: 986-4256

Ben Surretts - CITIZEN APPOINTMENT  
P.O. Box 294  
Loudon, TN 37774  
work:  
home: 458-2287

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774  
(423) 966-6097

Tennessee Department of Environment and Conservation  
Division of Solid Waste Assistance  
Paul Evan Davis, Director  
14th Floor, L&C Tower  
401 Church Street  
Nashville, Tennessee 37243-0455

The Loudon County Solid Waste Disposal Commission would like to request a variance to the 25% waste reduction goal. This report will discuss why the goal was not met in 1995, as well as the steps that will be taken to assure that this goal is met in 1996.

Loudon County's target per capita generation rate for 1995 was 1.62 tons. The actual per capita generation rate was 1.83 tons. The disposal figures for the months of January and February 1996 are 41% less than the same months of 1995. We expect this trend to continue. The goal set for 1995 was not attained due to an industry stockpiling waste and disposing of it in the second half of 1995. This volume was not accounted for in the Ten Year Plan. This has been taken into account for 1996.

Loudon County currently has one Convenience Center that recycles newspaper and aluminum. The County is currently planning to use available grant money to upgrade the current center and add a new center in Lenoir City. The new center will focus on recycling. Plans are being made to recycle cardboard, newsprint, glass, steel cans, aluminum cans and possibly plastic. Tires and oil are currently collected and recycled at the landfill.

Loudon County participated in its first Household Hazardous Waste Day in 1995. This event was a success with 1% participation, which is within the national average. This event in 1996 is expected to have even better participation due to education.

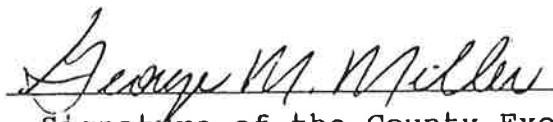
The Loudon County Solid Waste Disposal Commission and Keep America Beautiful are currently working together to collect recycling data from Business and Industry in Loudon County. Better record keeping will more accurately reflect recycling efforts in the County. In conjunction with this project, Business and Industry is being educated about the Tennessee Waste Exchange program.

The Loudon County Solid Waste Disposal Commission is confident that these actions will allow Loudon County to reach the 25% reduction goal in 1996. Documentation of tonnage and recycling efforts follow this report.

LOUDON COUNTY LANDFILL  
1995 DISPOSAL FIGURES

<u>MONTH</u>	<u>TONNAGE</u>
JANUARY	9441.41
FEBRUARY	6770.58
MARCH	6042.33
APRIL	4122.22
MAY	4218.15
JUNE	4508.07
JULY	4056.94
AUGUST	4343.74
SEPTEMBER	5068.77
OCTOBER	5045.97
NOVEMBER	3306.90
DECEMBER	2888.68
 SUBTOTAL	 59813.76
LESS TIRES	42.00
 TOTAL	 59771.76

TO THE BEST OF MY KNOWLEDGE THESE FIGURES ARE ACCURATE AND CAN BE  
VERIFIED BY THE LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION AND  
BY SANTEK ENVIRONMENTAL.

  
\_\_\_\_\_  
Signature of the County Executive

**COUNTYWIDE COLLECTION ASSURANCE**

Loudon County has approximately 12,645 households. The cities of Loudon and Lenoir City provide curbside collection service to approximately 4,585 households. Tellico Village Property Owners Association currently contracts with a private hauler to provide curbside collection service to approximately 800 households. There are currently four private haulers who offer service to Loudon County residents. Loudon County operates one Convenience/Recycling Center in Loudon, and is planning to open a Convenience/Recycling Center in Lenoir City by June 1996. The additional Center will ensure a higher level of service than is mandated.

REGIONAL TONNAGE REPORT  
PRODUCT: PALLETS, TEXTILE SCRAP, OIL

Run Date: 02/22/96

SORT ORDER: 1. Region 2. Organization Name
---

Page: 42

REGION: 53

Organization Name	County Located In	Pallet Tons	Textile Scrap Tons	Grand Total Tons All Materials	Oil Gallons
CITY OF LENOIR CITY	LOUDON	0.00	0.00	10.00	0.00
COFFMAN RECYCLING, INC.	LOUDON	0.00	0.00	71.00	0.00
CSM. INC.	LOUDON	0.00	0.00	0.00	0.00
LOUDON CO. BEAUTIFICATION	LOUDON	0.00	0.00	121.00	200.00
TOTALS - ALL RESPONDANTS IN THIS REGION:		0.00	0.00	202.00	200.00

42 tons of tires were disposed of at the Loudon County Landfill. These tires were recycled by Waste Recovery in Atlanta Georgia.

# HOUSEHOLD HAZARDOUS WASTE COLLECTION EVENT

COUNTY: Loudon

DATE: June 3, 1995

Households 12,502  
Participating Households: 123 1.0%

PRODUCT	WEIGHT	% BY WEIGHT	COST PER POUND	COST	% OF COST
Flammable Liquid	288	5%	\$0.32	\$92.16	5%
Flammable Solid	0	0%	\$2.20	\$0.00	0%
Poisonous Material	287	5%	\$2.20	\$631.40	33%
NON-Latex Paint	1,418	26%	\$0.32	\$453.76	24%
Latex Paint	1,781	33%	\$0.20	\$356.20	19%
Aerosols	90	2%	\$0.90	\$81.00	4%
Waste Oil	677	12%	\$0.32	\$216.64	11%
Acidic Material	17	0%	\$1.80	\$30.60	2%
Oxidizing Material	11	0%	\$2.20	\$24.20	1%
Caustic Material	4	0%	\$1.80	\$7.20	0%
Antifreeze/Coolant/ Surfactant	0	0%	\$0.56	\$0.00	0%
Automotive Batteries	810	15%	N/C	\$0.00	0%
Alkaline Batteries	46	1%	\$0.50	\$23.00	1%
Non-Alkaline Batteries	3	0%	\$0.50	\$1.50	0%
<b>TOTAL WEIGHT &amp; COST OF MATERIALS COLLECTED</b>	<b>5,432</b>	<b>100%</b>		<b>\$1,917.66</b>	<b>100%</b>
Labor and Equipment				\$3,500.00	
* Mobilization Charge 330 miles X \$3.70/mile				\$1,221.00	
<b>TOTAL EVENT COST</b>				<b>\$6,638.66</b>	

\* Round trip miles from Nashville to county seat.



STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Solid Waste Assistance  
14th Floor, L & C Tower  
401 Church Street  
Nashville, TN 37243-0455

May 7, 1996

Mr. Wayne Tolbert, Chairman  
Loudon County Municipal Solid  
Waste Planning Region  
c/o Science Applications International Corp.  
100 River Road, #109  
Loudon TN 37774

Dear Mr. Tolbert:

The Division has completed its review of the Loudon County Planning Region's 1995 Annual Progress Report as required under the Solid Waste Management Act of 1991. We are pleased to report that all of the progress report items are satisfactory with the following exceptions:

**SECTION II. RESOLUTION OF ANY "ANNUAL REPORT" ISSUES IDENTIFIED IN THE REGION'S TEN-YEAR PLAN REVIEW COMMENTS FROM THE DEPARTMENT OF ENVIRONMENT AND CONSERVATION.**

Please respond to the waste reduction goal issue as requested in the Department's ten-year plan review comments letter of March 6, 1996.

**SECTION IV. THE REGION'S TEN-YEAR SOLID WASTE PLAN: PROGRESS, UPDATES, CHANGES.**

Please provide the Department with a narrative describing the region's progress with implementing the ten-year plan.

**CHAPTER 4**

The region reports not achieving its waste reduction goal. However, no request for a variance is included. Please provide a variance request for consideration by the Department including how much additional time is needed and what measures will be implemented to achieve the waste reduction goal.

**CHAPTER 5. WASTE COLLECTION AND TRANSPORTATION**

Please provide the Department with the number and type of roadside dumps and citizen complaints; alternative systems available; and the volume of material collected through existing collection systems. This information will be beneficial to the Department and region for use in measuring the progress of the region on this issue.



Mr. Wayne Tolbert, Chairman  
Page 2  
May 7, 1996

Please address all of these exceptions in writing, and return to our office within two weeks of the date of this letter. Thank you for your prompt attention to the issues noted in this letter.

Please contact our office if you have any questions or comments concerning this matter.

Sincerely,

A handwritten signature in cursive script that reads "Paul Evan Davis".

Paul Evan Davis  
Director

cc: Mr. Geroge Miller, Loudon County Executive

*Statutory Requirements:*

*"The goal of the state is to reduce by twenty-five percent (25%) the amount of solid waste disposed of at municipal solid waste disposal facilities and incinerators, measured on a per capita basis within Tennessee by weight, by December 31, 1995." [T.C.A. Section 68-31-861(a)]*

*"...[E]ach plan submitted by a municipal solid waste region shall include...a description of waste reduction activities designed to attain the twenty-five percent (25%) reduction required by Section 25(a) [T.C.A. Section 68-31-861(a)]; and Section 14(b)10. [T.C.A. Section 68-31-815(b) (10)].*

*"A county or region shall have the flexibility to design its own plan and methods which take into account local conditions for attaining the waste reduction goal set by this section. This plan shall be included as a part of the county or regional plan required by Section 13 of this act." [T.C.A. Section 68-31-861(f)]*

A. BASE YEAR QUANTITY

The population and quantity of solid waste generated and disposed of in calendar 1989 for Loudon County were 31,500 and 67,910, respectively. Thus the waste generated and disposed of per capita was 2.16 tons per capita per year. This figure was the actual disposal amount reported by SanteK Environmental Services operator of the Matlock Bend Landfill. It should be noted that the UT study estimated a waste generation 26,508 tons per year. For planning purposes, Loudon County will use the actual disposal figure reported by SanteK and not the UT estimate.

Since the UT estimated quantity of waste managed in 1989 for any county in the region has been demonstrated to be in error, proof of the actual base figure is submitted at the end of this chapter in accordance with T.C.A. Section 68-31-861(a)

and (b). Copies of the error documentation for Loudon is included in Appendix B. Table IV-1. reflects the adjusted quantity.

**B. TARGET 1995 WASTE REDUCTION PER CAPITA DISPOSAL ROLE**

Using 1989 as a base year, the quantity of waste in tons, that must be reduced at the source, or diverted to alternative treatment options, if the region is to meet the statutory goal by December 31, 1995, is 17,673 tons per year. This figure was derived by using the following formula (1989 per capita disposal rate x .25 x 1995 population = 2.16 x .25 x 32,728 = 17,673 tons).

**C. THIS SECTION WILL DESCRIBE HOW THE REGION WILL MEET THE STATEWIDE WASTE REDUCTION GOAL.**

Waste Generation

Waste generation in Loudon County has fluctuated significantly since the 1989 Base Year. To understand how Loudon County expects to meet the 1995 waste reduction goal of 17,673 tons per year, the fluctuations in waste disposal since 1989 are presented for analysis:

<u>YEAR</u>	<u>LANDFILL DISPOSAL VOLUME</u>
1989	67,910
1990	73,511
1991	106,798
1992	96,730
1993	125,732
1994 (EST)	122,850
1995 (EST)	68,591

The large increase in 1991 was due to an increase in industrial MSW (Kimberly Clark and others) disposed of at Matlock Bend Landfill. The reduction in 1992 was a result of Metal Resources decision to divert 100 tons per day to an out of state Class II facility. Shortly after Metal Resources waste diversion measure, Kimberly Clark began doubling their generation rates due to an expansion of the facility. The estimated reduction in 1994 and 1995 is primarily due to a 200 ton/day anticipated industrial disposal reduction to begin in April 1995. Additional reduction is expected through other industries and residential and tire recycling. Loudon County currently has one Convenience Center that recycles newspaper and aluminum. The County plans to use grant money in 1996 to upgrade the current center and possibly add an additional center in Lenoir City. The new center will focus on recycling. Recycling will include cardboard, newsprint, glass, steel cans, aluminum cans and possibly plastic. The Loudon County Solid Waste Disposal Commission and Keep America Beautiful will work together to collect recycling data from business and industry in the region. Data consolidation should help the County keep track of what is really being done, and where there is need for improvement.

# LOUDON COUNTY LANDFILL DISPOSAL FIGURES

	<u>MONTH</u>	<u>TONNAGE</u>
1995	JANUARY	9441.41
	FEBRUARY	6770.58
	MARCH	6042.33
	APRIL	4122.22
	MAY	4218.15
	JUNE	4508.07
	JULY	4056.94
	AUGUST	4343.74
	SEPTEMBER	5068.77
	OCTOBER	5045.97
	NOVEMBER	3306.90
	DECEMBER	2888.68
	<b>SUBTOTAL</b>	<b>59813.76</b>
	LESS TIRES	42.00
	<b>TOTAL</b>	<b>59771.76</b>
1996	JANUARY	3670.65
	FEBRUARY	2842.64
	MARCH	3304.10
	APRIL	3304.10

TO THE BEST OF MY KNOWLEDGE THESE FIGURES ARE ACCURATE AND CAN BE  
VERIFIED BY THE LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION AND  
BY SANTEK ENVIRONMENTAL.

---

Signature of the County Executive

**COUNTYWIDE COLLECTION ASSURANCE**

Loudon County has approximately 12,645 households. The cities of Loudon and Lenoir City provide curbside collection service to approximately 4,585 households. Tellico Village Property Owners Association currently contracts with a private hauler to provide curbside collection service to approximately 800 households. There are currently four private haulers who offer service to Loudon County residents. Loudon County operates one Convenience/Recycling Center in Loudon, and is planning to open a Convenience/Recycling Center in Lenoir City by June 1996. The additional Center will ensure a higher level of service than is mandated.

REGIONAL TONNAGE REPORT  
PRODUCT: PALLETS, TEXTILE SCRAP, OIL

Run Date: 02/22/96

SORT ORDER: 1. Region 2. Organization Name
---

Page: 42

REGION: 53

Organization Name	County Located In	Pallet Tons	Textile Scrap Tons	Grand Total Tons All Materials	Oil Gallons
CITY OF LENOIR CITY	LOUDON	0.00	0.00	10.00	0.00
COFFMAN RECYCLING, INC.	LOUDON	0.00	0.00	71.00	0.00
CSM. INC.	LOUDON	0.00	0.00	0.00	0.00
LOUDON CO. BEAUTIFICATION	LOUDON	0.00	0.00	121.00	200.00
TOTALS - ALL RESPONDANTS IN THIS REGION:		0.00	0.00	202.00	200.00

42 tons of tires were disposed of at the Loudon County Landfill. These tires were recycled by Waste Recovery in Atlanta Georgia.

# HOUSEHOLD HAZARDOUS WASTE COLLECTION EVENT

COUNTY: Loudon

DATE: June 3, 1995

Households 12,502  
Participating Households: 123 1.0%

PRODUCT	WEIGHT	% BY WEIGHT	COST PER POUND	COST	% OF COST
Flammable Liquid	288	5%	\$0.32	\$92.16	5%
Flammable Solid	0	0%	\$2.20	\$0.00	0%
Poisonous Material	287	5%	\$2.20	\$631.40	33%
NON-Latex Paint	1,418	26%	\$0.32	\$453.76	24%
Latex Paint	1,761	33%	\$0.20	\$356.20	19%
Aerosols	90	2%	\$0.90	\$81.00	4%
Waste Oil	677	12%	\$0.32	\$216.64	11%
Acidic Material	17	0%	\$1.80	\$30.60	2%
Oxidizing Material	11	0%	\$2.20	\$24.20	1%
Causeic Material	4	0%	\$1.80	\$7.20	0%
Antifreeze/Coolant	0	0%			
Surfactant	0	0%	\$0.56	\$0.00	0%
Automotive Batteries	810	15%	N/C	\$0.00	0%
Alkaline Batteries	46	1%	\$0.50	\$23.00	1%
Non-Alkaline Batteries	3	0%	\$0.50	\$1.50	0%
<b>TOTAL WEIGHT &amp; COST OF MATERIALS COLLECTED</b>	<b>5,432</b>	<b>100%</b>		<b>\$1,917.66</b>	<b>100%</b>
Labor and Equipment				\$3,500.00	
* Mobilization Charge 330 miles X \$3.70/mile				\$1,221.00	
<b>TOTAL EVENT COST</b>				<b>\$6,638.66</b>	

\* Round trip miles from Nashville to county seat.





STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

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

June 11, 1996

Mr. Wayne Tolbert, Chairman  
Loudon County Municipal Solid Waste  
Planning Region  
c/o Science Applications International Corp.  
100 River Road #109  
Loudon, TN 37774

Dear Mr. Tolbert:

We received the letter and attached information from the Loudon County Solid Waste Disposal Commission, dated May 16, 1996, constituting the region's additional response to several deficiencies found in the Loudon County Municipal Solid Waste Plan. However, the cover letter, like the previous one dated April 18, 1996 that introduced the initial response, did not state that the regional solid waste planning board has reviewed and approved the documentation and information included in those two reports, nor were those two cover letters signed by you, as Chairman. Please officially write a letter to me saying the revisions to the Loudon County Municipal Solid Waste Plan, submitted to the Tennessee Department of Environment and Conservation and dated April 18 and May 16, 1996, were reviewed and approved by the Loudon County Solid Waste Disposal Commission, which serves as the Loudon County Regional Solid Waste Planning Board; and sign it as the chairman of the board.

Also, please let me convey again to the region the two (2) concerns about the Waste Permit Review Process for Loudon County (included in the April 18 response) that Billy Bethel of my staff discussed with you by phone on May 23, 1996. First, the definition of "waste disposal facility," indicated on pages 1 (asterik) and 3 (footnote) of the three pages describing the "Basis for Review," may be too broad for the intent of the statute. Certain processing facilities, for example, may not fall into the category of a waste disposal facility. Second, the Solid Waste Management Act of 1991 does not authorize an application fee, as referred to at the top of page 2 of the Permit Review Process. Any application fee to cover costs of advertisement, public hearing, etc., as indicated, would have to be authorized by a source other than the Act. The regional planning board should consult with the county attorney to determine what state statute would apply. The region should review these two statements contained in the permit review process wording, and make the necessary revisions to ensure compatibility with the Act.

Mr. Tolbert  
Page 2  
June 11, 1996

As soon as we receive your letter indicating review and approval of the plan revisions by the regional planning board, we will complete the approval process of the region's plan.

Thank you for your efforts in providing solid waste planning for the citizens of Loudon County.

Sincerely,

A handwritten signature in cursive script that reads "Paul Evan Davis".

Paul Evan Davis  
Director  
Division of Solid Waste Assistance

PED:bjb

cc: Mr. George Miller, Loudon County Executive  
Mr. Mitch Loomis, East Tennessee Development District

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774

June 18, 1996

Mr. Paul Evan Davis, Director  
Division of Solid Waste Assistance  
401 Church Street, 14th Floor  
Nashville, TN 37243-0455

Dear Mr. Davis:

The revisions to the Loudon County Municipal Solid Waste Plan, dated April 18 and May 16, 1996, as well as the enclosed revised Permit Review Process were reviewed and approved by the Loudon County Solid Waste Disposal Commission, which serves as the Loudon County Regional Solid Waste Planning Board.

Sincerely,

Wayne Tolbert  
Chairman, Loudon County Solid Waste Disposal Commission

## **Waste Permit Review Process for Loudon County**

### **Basis for Review**

The review of any application for waste disposal approval with the Loudon County Planning Region will be based upon compliance with the intent of the Plan as written, approved, and adopted. The primary questions to be answered are:

1. Will the additional waste-volume be needed for the Region to maintain an environmentally acceptable and cost-effective Class 1 disposal volume for the waste generated within the Region? (Loudon County is a Single County Region)
2. Will the location of the new waste-disposal facility\* or extension within the Region provide for more cost-effective disposal of waste without sacrificing environment?
3. Is the location of the facility suitable for a waste-disposal facility to serve the Region? In other words, waste-facilities and/or area designed to serve out-of-region waste will be considered to be not suitably located to serve the Region.
4. Will the cost impacts for providing infrastructure (roads, water, etc.) for importing waste into the Region exceed the cost savings provided by the additional waste facility?
5. Does the proposed facility meet with the zoning ordinances adopted and approved by the Loudon County Regional Zoning Commission and the Loudon County Commission? (See attachment, if any)

### **Application and Review Procedure**

1. A copy of all Waste Disposal Facility Permit Applications shall be submitted to the Chairman of the Loudon County Solid Waste Planning Board prior to submittal of said document to Tennessee Department of Environment and Conservation (TDEC), Division of Solid Waste Management. In addition to TDEC, DSWM Part 1 Application, this submittal shall include the following:

- Estimated total volume of the facility in tons of waste.
- Proposed daily tonnage of the facility.
- Proposed service area of the facility.
- Map showing the location of the site suitable for advertisement.
- Map showing current zoning of the site with a description of any special permits or re-zoning required and status of same.
- General site layout map showing proposed approximate facility footage, access roads, and solid waste management facilities proposed.
- Any preliminary site evaluation studies available (hydrogeologic, environmental, engineering, etc.).

2. The Solid Waste Board Chairman will advertise the proposal in the local newspapers of the County in which the disposal facility is proposed, as well as, in the newspapers of any solid waste region which has a portion of its land mass within five (5) miles of the proposed facility. This advertisement will include the following information:

- General description of the proposed facility.
- Road address and location relative to incorporated or unincorporated municipalities.
- Map showing the location of the site.
- Date, time, and location of public hearing (must be a least 28 days after advertisement runs).
- Dates of public comment period.
- Address for mailing of public comments.

3. The Board Chairman will send copies of the application to each member of the Board, the County Executive in the Region, County Commissioners in the Region, and the Tennessee Division of Solid Waste management.

4. The Board will call a special meeting which will act as the public hearing.

5. The public hearing will be in presentation format. The applicant will present a 15 minute discussion of the proposed project. This will be followed by a fifteen minute report from a representative of the Board. The public comment period will follow with comments limited to five (5) minutes per person. The hearings will be documented through a court recorder.

6. At the end of the public hearing, the Board will schedule another special meeting to be a minimum of two weeks and a maximum of four weeks after the public hearing.

7. At the second special meeting, the Board will discuss the issue and then will vote to reject or not the application.

8. The Board may reject an application for a new solid waste disposal facility or area, or expansion of an existing solid waste disposal facility within the Region, upon determining that the application is inconsistent with the solid waste management plan adopted by the Region and approved by the Tennessee Department of Environment and Conservation, Division of Solid Waste Assistance. The Board shall document in writing the specific grounds on which the application is inconsistent with the Plan. The vote will be decided by a simple majority. In the event of a tie vote, any abstentions will be repolled for a vote. In the event that the vote remains tied, a new special meeting will be called within two weeks and the application will be voted on again. In the event that the outcome remains a tie, the application will be automatically rejected. The outcome will be provided to the Owner and the Tennessee Department of Environment and Conservation, Division of Solid Waste Management.

9. If the Board does not reject the application, the applicant can proceed with the full permitting

process to the State. The State review process will determine the technical acceptability of the proposal. The Board's decision is based on siting and need for the facility.

10. Rejection of the proposal will result in the decision that the proposal is not consistent with the Loudon County Solid Waste Disposal Plan, and therefore, the facility cannot proceed through the State permitting process.

11. Appeal of final actions of the Board shall be taken by an aggrieved party within thirty (30) days to the Chancery Court. The court shall exercise the same review as it would in a case arising under Tennessee Code Annotated, Title 4, Chapter 5. For the purposed of this section, an "aggrieved party" shall be limited to persons applying for permits, persons who own property or live within a three (3) mile radius of the facility or site that is proposed for permitting, or cities and counties in which the proposed facility is located.

\*Waste disposal facility is defined in this document to include areas which accept waste or certain processing facilities that require permits including but not limited to landfills, incinerators, composters, and fill-areas where waste permits are required.



DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
Division of Solid Waste Assistance

**MUNICIPAL SOLID WASTE PLANNING REGION  
ANNUAL PROGRESS REPORT  
JANUARY 1 THROUGH DECEMBER 31, 1996**

**DUE MARCH 31, 1997**

**LOUDON COUNTY PLANNING REGION  
(REGION NUMBER 53)**

The Solid Waste Management Act of 1991 requires entities implementing the ten-year solid waste plan to report their progress toward the region's goals to the Solid Waste Regional Planning Board annually [T.C.A. § 68-211-871 et seq.]. The Solid Waste Regional Planning Board should assimilate the information for inclusion in its Annual Progress Report **to be submitted by March 31, 1997**. Any changes in the planning strategy should be reflected in this report. It is understood the mechanism(s) planned for attaining the goals (i.e., 25% per capita waste reduction, ten-year disposal capacity, county-wide collection, etc.) may change due to unforeseen circumstances. Counties, cities, authorities, etc. which oversee implementation of certain parts of the plan will make judgment calls in the daily operation of solid waste programs. This flexibility in altering planning strategy does not relieve regions, counties, cities, and/or authorities of their responsibility to achieve the act's mandates (e.g., the 25% per capita waste reduction goal).

The region's Annual Progress Report shall be considered an update to its ten-year solid waste plan and shall be filed with the complete plan at the Department of Environment and Conservation. If necessary, attach supplemental pages to complete your responses. Any supplemental pages should be clearly labeled and inserted at the end of the section to which they refer or at the end of the report. Submit the original and one copy of the region's annual report.

**In addition to the specific information requested in this report, include a short narrative describing (in general terms) the region's overall progress with the implementation of its ten-year solid waste plan.**

Should the region have difficulty collecting the necessary information needed for completing Annual Progress Reports, **the statute allows the region to compel those persons actively engaged in the collection, transportation, and disposal of municipal solid waste to provide the necessary information [T.C.A. § 68-211-871(c)&(d)].** For further assistance, contact the Division of Solid Waste Assistance at (615) 532-0091.

## SECTION I. GENERAL INFORMATION

- A. Name of region Loudon County  
Name of counties within region Loudon County  
\_\_\_\_\_  
\_\_\_\_\_
- B. Name of person completing report Beth Burklin  
Relationship to region (e.g., Chairman of Regional Planning Board, Consultant, Development District, etc.) Administrative Assistant  
Address 100 River Road #109  
City Loudon State TN Zip 37774  
Telephone (423) 966-6097
- C. Has the region made use of state sponsored solid waste information assistance and seminars over the past year? x YES        NO
- D. What topics would you like to see addressed in state seminars in 1997?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## SECTION II. RESOLUTION OF ANY "ANNUAL REPORT" ISSUES IDENTIFIED IN THE REGION'S TEN-YEAR PLAN REVIEW COMMENTS FROM THE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

The Department's plan review comments on a region's ten-year plan routinely have raised issues with regard to matters of significance to the planning process which should be addressed in the region's next ANNUAL REPORT. **Address and resolve any remaining issues indicated as "ANNUAL REPORT" and include your response in this report for submission on or before March 31, 1997.** Contact the Division of Solid Waste Assistance at 615-532-0091 for clarification of any remaining unresolved issues.

See attachment A

## SECTION III. MUNICIPAL SOLID WASTE REGIONAL PLANNING BOARD MEMBERS

Provide a list of all regional planning board members including whom they represent, term expiration date, and status of each board member (i.e., Vice Chair, etc.).

See attachment B



The following questions are organized according to topics (chapters) listed in the Guidelines for the Preparation of a Municipal Solid Waste Regional Plan (Chapters 4-13). These questions are designed to evaluate specific progress in the region's plan implementation process and identify any significant changes in the plan designed to achieve the region's goals. Answer all questions and/or requests for information completely and accurately.

#### CHAPTER 4. PER CAPITA WASTE REDUCTION (the 25% Reduction Goal)

- A.
1. As mandated in the Solid Waste Management Act of 1991 [T.C.A. § 68-211-861], each solid waste region was required to reduce by 25% (measured on a tons per capita basis) **all waste disposed of in Class I landfills or incinerators located in and out of the region** by December 31, 1995. All regions are required to continue meeting (or exceeding) the 25% waste reduction goal every year.
  2. According to Department records, your region's 1989 base year per capita tonnage was 2.1565. The region's per capita disposed tonnage (based on tonnage disposed at Class I landfills or incinerators in or out of the region) rate in 1996 should be 1.6200 or below.
  3. The region's estimated population (based on University of Tennessee estimates) in 1996 is 32,991. As an alternative to the U. T. estimates, the region may use the Bureau of Census estimates (if available) or the results of a special census taken within the region which was certified by the state during 1996. The number of tons of solid waste generated within the region and disposed in and out of the region in 1996 is 61007.43. Documentation in support of the disposed tonnage figures must be included and attested to by an elected official.
  4. See attachment C  
The resulting per capita disposed tonnage for 1996 (1996 disposed tonnage divided by the 1996 estimated population) is 1.7 \*\* tons or a disposed tonnage waste reduction rate of 22 %. \*\*The population figure used was 35,927, obtained from the Bureau of Census.
- B.
1. **If the region meets (or exceeds) the 25% per capita waste reduction goal by the end of 1996, no further action is required in CHAPTER 4.**
  2. If a region did not meet (or exceed) its goal at the end of 1995, the Department issued a variance granting the region an extension of time (up to five years) to meet the goal. The Department's records indicate your region received a 1 year variance. Any region which received a variance must include an explanation of the activities conducted during 1996 which were designed to achieve this goal. This explanation should be summarized by jurisdiction (city, county, authority, etc.) to the extent possible.
  3. See attachment D  
If your region **achieved (or exceeded) its 25% per capita waste reduction goal at the end of 1995**, there was no need to request a variance. **However, if your region failed to continue to meet (or exceed) the per capita goal in 1996, a variance must be requested [T.C.A. § 68-211-861]. As in 1995, the region will be required to show "good faith" evidence of its continuing efforts to meet (or exceed) the 25% waste reduction goal. The region should also indicate the number of year needed to return to compliance.**

- C. 1. The Department is interested in the results of the reduction strategies described in the region's ten-year plan. It is permissible for the region to alter its original strategy as long as legitimate reduction strategies are used and changes in strategy are reported to the Department annually. The **region and jurisdictions therein** should have made a "good faith" effort to follow the course of action outlined in the plan or subsequent official changes in strategy.
2. Are waste reduction targets and strategies to be relied upon the same as in the region's ten-year solid waste plan?   x   YES        NO
3. If NO, describe any significant changes:
- \_\_\_\_\_
- \_\_\_\_\_
4. Indicate, by strategy, the percentage of reduction projected in the region's ten-year plan and the percentage achieved.

Strategy	Ten-Year Plan %	% Achieved
Industrial	51	<u>  50  </u>
Residential Waste Rdctn.	1	<u>      1  </u>
Yard Waste Composting	7	<u>      </u>

## CHAPTER 5. WASTE COLLECTION AND TRANSPORTATION

- A. 1. As of January 1, 1996, each county in the region was required to assure adequate collection [T.C.A. § 68-211-851] to meet the needs of its citizens as outlined in the fact sheet on COUNTY-WIDE COLLECTION ASSURANCE issued by the Division in June 1995. Have the region's plans to assure adequate collection changed significantly from the intentions as described in the region's ten-year solid waste plan?
- YES   x   NO
2. If YES, describe any significant changes since filing your 1995 Annual Progress Report. If applicable, include a copy of new collection contracts or other documentation regarding these changes.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- B. 1. Describe the region's continuing efforts to assure adequate county-wide waste collection. Each region shall identify (in writing) unmet needs and report annually [T.C.A. § 68-211-851 (b) and § 68-211-815 (b) (2) (b)].

See attachment E

- a. Survey of roadside dumps
- b. Citizen complaints
- c. Alternative systems available
- d. Volume of waste received or collected by existing systems \*

- D. Include a recap of the region's recycling activity during 1996. NOTE - This information will not be used to determine an increase or decrease in the region's per capita disposed tonnage.

E. <sup>See attachment F</sup>  
**INSTRUCTIONS FOR COMPLETING THE TENNESSEE RECYCLING OPERATIONS REPORT**

1. The TENNESSEE RECYCLING OPERATIONS REPORT is now a part of the Annual Progress Report as required by the Solid Waste Management Act of 1991. The 1996 report format is designed for the region's use in surveying individual recovered materials collectors in the region. **The region must aggregate (see 6. G., REGION'S RECAP) this information for inclusion in its Annual Progress Report for 1996.**
2. The region should send the survey forms to the recovered materials collectors as soon as possible to allow for their completion and return to the region for aggregation. All public, non-profit and private collectors should be surveyed. T.C.A. § 68-211-871 (c) and (d) gives the regions authority to require each person actively and regularly engaged in the recovery or recycling of materials in the county or counties constituting the region to comply with the reporting requirements of the 1991 act and also provides for mandatory penalties against any person failing to properly report in accordance with the provisions of this act.
3. Following the region's survey of the materials collectors, commodity and volume information from the survey forms should be aggregated by the region and included in the Annual Progress Report in paragraph (6. G.). In addition to submitting the form containing the recapped information (6. G.), a copy of the survey form (6. F.) completed by each of the recovered materials collectors should accompany the region's report. Additionally, the Department has made a decision to separate automotive/car bodies (if any) when reporting your recovered materials. Information as to name, contact, address, phone number, and type of organization and program, will be entered in the Division's data base from these survey forms. For this reason, the forms should be complete and legible.
4. In an effort to avoid "double counting," the Division of Solid Waste Assistance will recognize and count **only those recovered materials reported by bona fide public, non-profit and private recovered (recyclable) materials collection sites.** Materials recovered through in-house programs of commercial and industrial facilities, i.e., manufacturing plants, retail/wholesale outlets, service organizations, etc., **will not be counted unless they are collected at a public, non-profit or private collection site.** The volume of these materials will be obtained via the Division's survey of processors and end-users as indicated in the next paragraph.
5. In 1995, an agreement was reached between the Division of Solid Waste Assistance and the Tennessee Recyclers Association (TRA) (a trade association primarily representing scrap processors and end-users). TRA agreed to survey those firms shown on the attached list (**Attachment # 1**) for information as to the type and quantity of recovered materials these firms receive from commercial and industrial

customers. (This information is reported to a C. P. A. firm and is aggregated (by commodity) before being sent to the Division. Do not survey these firms for information related to this report since it may result in double reporting. NOTE: None of this information is used to determine the region's per capita tonnage. The region should, however, work with all commercial and industrial operations located within the region in order to encourage and increase waste reduction as well as source reduction methods which could reduce the need for material recovery and/or disposal.

6. Report all figures in **TONS**. If records are kept in some other unit of measurement, convert into tons before listing on the Tennessee Recycling Operations Report. The Division acknowledges the following conversion factors:
  - a. Ton = 2,000 pounds
  - b. Ton = 4 cubic yards (loose) waste
  - c. Lead-acid battery = 45 pounds each
  - d. Pallets = 45 pounds each
  - e. Wet sludge/gallon = 7 pounds

1. Region Name Loudon County  
 Contact Person Ann Hammettree  
 Address 100 River Rd #104  
 City Loudon State TN Zip 37774  
 Telephone (423) 458-1987

2. LIST MATERIALS RECOVERED

PAPER

Corrugated Containers \_\_\_\_\_ tons  
 Mixed Office Paper 18.35 tons  
 White Ledger \_\_\_\_\_ tons  
 Laser Computer \_\_\_\_\_ tons  
 Old Newspaper 190.83 tons  
 Old Magazine \_\_\_\_\_ tons  
 Telephone Books 1 tons

TOTAL PAPER 211.18 TONS

GLASS

Clear Container Glass \_\_\_\_\_ tons  
 Brown Container Glass \_\_\_\_\_ tons  
 Green Container Glass \_\_\_\_\_ tons  
 Non-Container Glass \_\_\_\_\_ tons

TOTAL GLASS \_\_\_\_\_ TONS

BATTERIES

Lead-Acid \_\_\_\_\_ tons  
 Dry Cell \_\_\_\_\_ tons

TOTAL BATTERIES \_\_\_\_\_ TONS

PLASTICS

PET (#1) \_\_\_\_\_ tons  
 HDPE (#2) \_\_\_\_\_ tons  
 PVC (#3) \_\_\_\_\_ tons  
 LDPE (#4) \_\_\_\_\_ tons  
 PP (#5) \_\_\_\_\_ tons  
 PS (#6) \_\_\_\_\_ tons  
 Industrial Scrap \_\_\_\_\_ tons

TOTAL PLASTICS \_\_\_\_\_ TONS

FERROUS METALS

Steel Beverage/Food Cans \_\_\_\_\_ tons  
 White Goods/Appliances 4 tons  
 Other Ferrous Scrap \_\_\_\_\_ tons  
 Auto Bodies \_\_\_\_\_ tons

TOTAL FERROUS \_\_\_\_\_ TONS

NON-FERROUS METALS

Aluminum Beverage/Food Cans 54 tons  
 Scrap Aluminum 21.5 tons  
 Other Non-Ferrous Scrap 9.5 tons

TOTAL NON-FERROUS 89 TONS

COMPOSTABLES

Mulch 200 tons  
 Compost \_\_\_\_\_ tons  
 Compost (Municipal Solid Waste) \_\_\_\_\_ tons  
 Compost (Municipal Sewage Sludge) \_\_\_\_\_ tons

TOTAL COMPOST 200 TONS

recycled oil

565 gallons

PALLETS \_\_\_\_\_ TONS

TEXTILE SCRAP \_\_\_\_\_ TONS

REGION GRAND TOTAL 500.18 TONS

## G. REGION'S RECAP OF TENNESSEE RECYCLING OPERATIONS REPORTS (1996)

1. Region Name City of Loudon  
 Contact Person \_\_\_\_\_  
 Address \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 City \_\_\_\_\_  
 Telephone (\_\_\_\_) \_\_\_\_\_

## 2. LIST MATERIALS RECOVERED

**PAPER**

Corrugated Containers  
 Mixed Office Paper  
 White Ledger  
 Laser Computer  
 Old Newspaper  
 Old Magazine  
 Telephone Books

\_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons

TOTAL PAPER \_\_\_\_\_ TONS

**GLASS**

Clear Container Glass  
 Brown Container Glass  
 Green Container Glass  
 Non-Container Glass

\_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons

TOTAL GLASS \_\_\_\_\_ TONS

**BATTERIES**

Lead-Acid  
 Dry Cell

\_\_\_\_ tons  
 \_\_\_\_ tons

TOTAL BATTERIES \_\_\_\_\_ TONS

**PLASTICS**

PET (#1)  
 HDPE (#2)  
 PVC (#3)  
 LDPE (#4)  
 PP (#5)  
 PS (#6)  
 Industrial Scrap

\_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons

TOTAL PLASTICS \_\_\_\_\_ TONS

**FERROUS METALS**

Steel Beverage/Food Cans  
 White Goods/Appliances  
 Other Ferrous Scrap  
 Auto Bodies

\_\_\_\_ tons  
4 tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons

TOTAL FERROUS \_\_\_\_\_ TONS

**NON-FERROUS METALS**

Aluminum Beverage/Food Cans  
 Scrap Aluminum  
 Other Non-Ferrous Scrap

1 tons  
3 tons  
4 tons

TOTAL NON-FERROUS \_\_\_\_\_ TONS

**COMPOSTABLES**

Mulch  
 Compost  
 Compost (Municipal Solid Waste)  
 Compost (Municipal Sewage Sludge)

200 tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons  
 \_\_\_\_ tons

TOTAL COMPOST \_\_\_\_\_ TONS

PALLETS \_\_\_\_\_ TONS

TEXTILE SCRAP \_\_\_\_\_ TONS

REGION GRAND TOTAL \_\_\_\_\_ TONS

Recycled Oil

565 gallons

1. Name KNOXVILLE RECYCLING FIBER CO.  
Contact Person MARK CALDWELL  
Address 410 FRAZIER ST.  
City KNOXVILLE State TN Zip 37915  
Telephone (615) 522-6129 County KNOX

2. Type Organization: ☒ Private ☐ Public ☐ Non-Profit  
3. Type Program: ☐ Drop-Off ☐ Curbside ☒ Buy-Back

4. LIST MATERIALS RECOVERED

**PAPER**

Corrugated Containers	_____	tons
Mixed Office Paper	_____	tons
White Ledger	_____	tons
Laser Computer	_____	tons
Old Newspaper	_____	tons
Old Magazine	_____	tons
Telephone Books	_____	tons

TOTAL PAPER 47 TONS

**GLASS**

Clear Container Glass	_____	tons
Brown Container Glass	_____	tons
Green Container Glass	_____	tons
Non-Container Glass	_____	tons

TOTAL GLASS 0 TONS

**BATTERIES**

Lead-Acid	_____	tons
Dry Cell	_____	tons

TOTAL BATTERIES 0 TONS

**PLASTICS**

PET (#1)	_____	tons
HDPE (#2)	_____	tons
PVC (#3)	_____	tons
LDPE (#4)	_____	tons
PP (#5)	_____	tons
PS (#6)	_____	tons
Industrial Scrap	_____	tons

TOTAL PLASTICS 0 TONS

**FERROUS METALS**

Steel Beverage/Food Cans	_____	tons
White Goods/Appliances	_____	tons
Other Ferrous Scrap	_____	tons
Auto Bodies	_____	tons

TOTAL FERROUS 0 TONS

**NON-FERROUS METALS**

Aluminum Beverage/Food Cans	_____	tons
Scrap Aluminum	_____	tons
Other Non-Ferrous Scrap	_____	tons

TOTAL NON-FERROUS 0 TONS

**COMPOSTABLES**

Mulch	_____	tons
Compost	_____	tons
Compost (Municipal Solid Waste)	_____	tons
Compost (Municipal Sewage Sludge)	_____	tons

TOTAL COMPOST  
PALLETS  
TEXTILE SCRAP 0 TONS



## F. TENNESSEE RECYCLING OPERATIONS REPORT (1996)

1. Name Southeast Paper Recycling Company  
 Contact Person Becky Ford  
 Address 2810 Hoitt Ave State TN Zip 37917  
 City Knoxville County Rowdon  
 Telephone (423) 523-6397

2. Type Organization: ☐ Private ☐ Public ☒ Non-Profit  
 3. Type Program: ☒ Drop-Off ☐ Curbside ☐ Buy-Back

## 4. LIST MATERIALS RECOVERED

**PAPER**

Corrugated Containers	_____	tons
Mixed Office Paper	_____	tons
White Ledger	_____	tons
Laser Computer	_____	tons
Old Newspaper	<u>142.83</u>	tons
Old Magazine	_____	tons
Telephone Books	_____	tons

TOTAL PAPER 142.83 TONS**GLASS**

Clear Container Glass	_____	tons
Brown Container Glass	_____	tons
Green Container Glass	_____	tons
Non-Container Glass	_____	tons

TOTAL GLASS \_\_\_\_\_ TONS

**BATTERIES**

Lead-Acid	_____	tons
Dry Cell	_____	tons

TOTAL BATTERIES 11 TONS**PLASTICS**

PET (#1)	_____	tons
HDPE (#2)	_____	tons
PVC (#3)	_____	tons
LDPE (#4)	_____	tons
PP (#5)	_____	tons
PS (#6)	_____	tons
Industrial Scrap	_____	tons

TOTAL PLASTICS \_\_\_\_\_ TONS

**FERROUS METALS**

Steel Beverage/Food Cans	_____	tons
White Goods/Appliances	_____	tons
Other Ferrous Scrap	_____	tons
Auto Bodies	_____	tons

TOTAL FERROUS \_\_\_\_\_ TONS

**NON-FERROUS METALS**

Aluminum Beverage/Food Cans	_____	tons
Scrap Aluminum	_____	tons
Other Non-Ferrous Scrap	_____	tons

TOTAL NON-FERROUS \_\_\_\_\_ TONS

**COMPOSTABLES**

Mulch	_____	tons
Compost	_____	tons
Compost (Municipal Solid Waste)	_____	tons
Compost (Municipal Sewage Sludge)	_____	tons

TOTAL COMPOST \_\_\_\_\_ TONS

PALLET \_\_\_\_\_ TONS

TEXTILE SCRAP \_\_\_\_\_ TONS

GRAND TOTAL 142.83 TONS

# F. TENNESSEE RECYCLING OPERATIONS REPORT (1996)

1. Name Kimberly Clark Corp  
 Contact Person ALAN R SMITH  
 Address 5600 Kimberly Way  
 City LOUDON State TAU Zip 37774  
 Telephone (923) 9 AB 7064 County LOUDON

2. Type Organization: ☐ Private ☒ Public ☐ Non-Profit  
 3. Type Program: ☐ Drop-Off ☐ Curbside ☒ Buy-Back

## 4. LIST MATERIALS RECOVERED

### PAPER

Corrugated Containers 17.345 tons  
 Mixed Office Paper \_\_\_\_\_ tons  
 White Ledger \_\_\_\_\_ tons  
 Laser Computer \_\_\_\_\_ tons  
 Old Newspaper \_\_\_\_\_ tons  
 Old Magazines \_\_\_\_\_ tons  
 Telephone Books \_\_\_\_\_ tons

TOTAL PAPER 17.345 TONS

### GLASS

Clear Container Glass \_\_\_\_\_ tons  
 Brown Container Glass \_\_\_\_\_ tons  
 Green Container Glass \_\_\_\_\_ tons  
 Non-Container Glass \_\_\_\_\_ tons

TOTAL GLASS \_\_\_\_\_ TONS

### BATTERIES

Lead-Acid \_\_\_\_\_ tons  
 Dry Cell \_\_\_\_\_ tons

TOTAL BATTERIES \_\_\_\_\_ TONS

### PLASTICS

PET (#1) \_\_\_\_\_ tons  
 HDPE (#2) \_\_\_\_\_ tons  
 PVC (#3) \_\_\_\_\_ tons  
 LDPE (#4) \_\_\_\_\_ tons  
 PP (#5) \_\_\_\_\_ tons  
 PS (#6) \_\_\_\_\_ tons  
 Industrial Scrap \_\_\_\_\_ tons

TOTAL PLASTICS \_\_\_\_\_ TONS

### FERROUS METALS

Steel Beverage/Food Cans \_\_\_\_\_ tons  
 White Goods/Appliances \_\_\_\_\_ tons  
 Other Ferrous Scrap \_\_\_\_\_ tons  
 Auto Bodies \_\_\_\_\_ tons

TOTAL FERROUS \_\_\_\_\_ TONS

### NON-FERROUS METALS

Aluminum Beverage/Food Cans \_\_\_\_\_ tons  
 Scrap Aluminum \_\_\_\_\_ tons  
 Other Non-Ferrous Scrap \_\_\_\_\_ tons

TOTAL NON-FERROUS \_\_\_\_\_ TONS

### COMPOSTABLES

Mulch \_\_\_\_\_ tons  
 Compost \_\_\_\_\_ tons  
 Compost (Municipal Solid Waste) \_\_\_\_\_ tons  
 Compost (Municipal Sewage Sludge) \_\_\_\_\_ tons

TOTAL COMPOST \_\_\_\_\_ TONS

PALLETS \_\_\_\_\_ TONS

TEXTILE SCRAP \_\_\_\_\_ TONS

GRAND TOTAL \_\_\_\_\_ TONS

# F. TENNESSEE RECYCLING OPERATIONS REPORT (1996)

1. Name Coffman Recycling Inc.  
 Contact Person Klara Coffman  
 Address 3570 Hwy 11 E  
 City Lebanon State Tn. Zip 37222  
 Telephone (423) 986-0527 County London

2. Type Organization: ☒ Private ☐ Public ☐ Non-Profit

3. Type Program: ☒ Drop-Off ☐ Curbside ☐ Buy-Back

## 4. LIST MATERIALS RECOVERED

### PAPER

Corrugated Containers \_\_\_\_\_ tons  
 Mixed Office Paper \_\_\_\_\_ tons  
 White Ledger \_\_\_\_\_ tons  
 Laser Computer \_\_\_\_\_ tons  
 Old Newspaper \_\_\_\_\_ tons  
 Old Magazine \_\_\_\_\_ tons  
 Telephone Books \_\_\_\_\_ tons

TOTAL PAPER \_\_\_\_\_ TONS

### GLASS

Clear Container Glass \_\_\_\_\_ tons  
 Brown Container Glass \_\_\_\_\_ tons  
 Green Container Glass \_\_\_\_\_ tons  
 Non-Container Glass \_\_\_\_\_ tons

TOTAL GLASS \_\_\_\_\_ TONS

### BATTERIES

Lead-Acid \_\_\_\_\_ tons  
 Dry Cell \_\_\_\_\_ tons

TOTAL BATTERIES \_\_\_\_\_ TONS

### PLASTICS

PET (#1) \_\_\_\_\_ tons  
 HDPE (#2) \_\_\_\_\_ tons  
 PVC (#3) \_\_\_\_\_ tons  
 LDPE (#4) \_\_\_\_\_ tons  
 PP (#5) \_\_\_\_\_ tons  
 PS (#6) \_\_\_\_\_ tons  
 Industrial Scrap \_\_\_\_\_ tons

TOTAL PLASTICS \_\_\_\_\_ TONS

### FERROUS METALS

Steel Beverage/Food Cans \_\_\_\_\_ tons  
 White Goods/Appliances \_\_\_\_\_ tons  
 Other Ferrous Scrap \_\_\_\_\_ tons  
 Auto Bodies \_\_\_\_\_ tons

TOTAL FERROUS \_\_\_\_\_ TONS

### NON-FERROUS METALS

Aluminum Beverage/Food Cans 53 tons  
 Scrap Aluminum 174 tons  
 Other Non-Ferrous Scrap 42 tons

TOTAL NON-FERROUS 69 TONS

### COMPOSTABLES

Mulch \_\_\_\_\_ tons  
 Compost \_\_\_\_\_ tons  
 Compost (Municipal Solid Waste) \_\_\_\_\_ tons  
 Compost (Municipal Sewage Sludge) \_\_\_\_\_ tons

TOTAL COMPOST \_\_\_\_\_ TONS

PALLETS \_\_\_\_\_ TONS

TEXTILE SCRAP \_\_\_\_\_ TONS

GRAND TOTAL \_\_\_\_\_ TONS

## F. TENNESSEE RECYCLING OPERATIONS REPORT (1996)

1. Name LENOIR CITY UTILITIES BOARDContact Person Bill DunnillAddress 200 Depot StreetCity Lenoir CityState TNZip 37721Telephone (423) 986-6591County Loudon

## 2. Type Organization:

☐ Private☐ Public☒ Non-Profit

## 3. Type Program:

☒ Drop-Off☐ Curbside☐ Buy-Back4. LIST MATERIALS RECOVERED**PAPER**

Corrugated Containers

Mixed Office Paper

White Ledger

Laser Computer

Old Newspaper

Old Magazine

Telephone Books

_____	tons
<u>1</u>	tons
_____	tons
_____	tons
<u>1</u>	tons
<u>1</u>	tons
<u>1</u>	tons

1/2 of Mixed Office Paper is given to L.C.H.S. for reuse in Computer classes.

Old newspapers, magazines & telephone books are donated to local elementary school.

TOTAL PAPER 4 TONS**GLASS**

Clear Container Glass

Brown Container Glass

Green Container Glass

Non-Container Glass

_____	tons
_____	tons
_____	tons
_____	tons

TOTAL GLASS \_\_\_\_\_ TONS

**BATTERIES**

Lead-Acid

Dry Cell

*no storage!*

_____	tons
_____	tons

TOTAL BATTERIES \_\_\_\_\_ TONS

**PLASTICS**

PET (#1)

HDPE (#2)

PVC (#3)

LDPE (#4)

PP (#5)

PS (#6)

Industrial Scrap

_____	tons
_____	tons
_____	tons
_____	tons
_____	tons
_____	tons
_____	tons

TOTAL PLASTICS \_\_\_\_\_ TONS

**FERROUS METALS**

Steel Beverage/Food Cans

White Goods/Appliances

Other Ferrous Scrap

Auto Bodies

_____	tons
_____	tons
<u>1</u>	tons
_____	tons

TOTAL FERROUS 1 TONS**NON-FERROUS METALS**

Aluminum Beverage/Food Cans

Scrap Aluminum

Other Non-Ferrous Scrap

_____	tons
<u>8</u>	tons
<u>1</u>	tons

TOTAL NON-FERROUS 9 TONS**COMPOSTABLES**

Mulch

_____	tons
_____	tons

Compost

Compost (Municipal Solid Waste)

Compost (Municipal Sewage Sludge)

_____	tons
_____	tons
_____	tons

TOTAL COMPOST

PALLET'S

TEXTILE SCRAP

GRAND TOTAL

\_\_\_\_\_ TO

\_\_\_\_\_ TO

\_\_\_\_\_ TO

\_\_\_\_\_ TO

\_\_\_\_\_ TO

\_\_\_\_\_ TO

\_\_\_\_\_ TO

*Our pallets  
are given away  
along with wood racks  
8*

CN-0947 (Rev. 8-98)

RDA 2

## CHAPTER 10. PROBLEM WASTES

1. On January 1, 1995, each county in the region was required to provide at least one site (if adequate sites were not otherwise available in the county) to receive problem wastes. Indicate below if your region continues to provide collection sites for the following problem wastes:

- a. Whole waste tires ☒ YES ☐ NO
- b. Lead-acid batteries ☒ YES ☐ NO
- c. Used automotive oil and other automotive fluids ☒ YES ☐ NO

2. If NO, describe the region's plans to come into compliance with the above mandate from the Solid Waste Management Act of 1991 [T.C.A. § 68-211-866(b)] and identify any changes in strategy from the region's ten-year solid waste plan:

---

---

---

---

## CHAPTER 11. IMPLEMENTATION SCHEDULE, STAFFING, AND FUNDING

1. Since the last Annual Progress Report, have any new sources of funding been approved or adopted by the region's local jurisdictions? ☐ YES ☒ NO
2. If YES, describe the new funding mechanisms and the programs they will fund:

---

---

## CHAPTER 12. ALLOCATION OF IMPLEMENTATION RESPONSIBILITIES: PLAN ADOPTION AND SUBMISSION

- A. 1. Do implementation responsibilities continue to be allocated to the same jurisdiction as identified in the ten-year plan? ☒ YES ☐ NO
2. If NO, what changes have been made?

---

---

---

- B. 1. Since the region's last Annual Progress Report, have any counties within your region formed a Part 9 Solid Waste Authority [T.C.A. § 68-211-901 et seq.]?  
☐ YES ☒ NO

## CHAPTER 10. PROBLEM WASTES

1. On January 1, 1995, each county in the region was required to provide at least one site (if adequate sites were not otherwise available in the county) to receive problem wastes. Indicate below if your region continues to provide collection sites for the following problem wastes:

- a. Whole waste tires      ☒ YES      ☐ NO
- b. Lead-acid batteries      ☒ YES      ☐ NO
- c. Used automotive oil and  
other automotive fluids      ☒ YES      ☐ NO

2. If NO, describe the region's plans to come into compliance with the above mandate from the Solid Waste Management Act of 1991 [T.C.A. § 68-211-866(b)] and identify any changes in strategy from the region's ten-year solid waste plan:

---

---

---

---

## CHAPTER 11. IMPLEMENTATION SCHEDULE, STAFFING, AND FUNDING

1. Since the last Annual Progress Report, have any new sources of funding been approved or adopted by the region's local jurisdictions? ☐ YES      ☒ NO

2. If YES, describe the new funding mechanisms and the programs they will fund:

---

---

## CHAPTER 12. ALLOCATION OF IMPLEMENTATION RESPONSIBILITIES: PLAN ADOPTION AND SUBMISSION

- A. 1. Do implementation responsibilities continue to be allocated to the same jurisdictions as identified in the ten-year plan? ☒ YES      ☐ NO

2. If NO, what changes have been made?

---

---

---

- B. 1. Since the region's last Annual Progress Report, have any counties within your region formed a Part 9 Solid Waste Authority [T.C.A. § 68-211-901 et seq.]?  
☐ YES      ☒ NO

2. If YES, which jurisdictions (cities and counties) are actively participating in the Authority named in the creating resolution?

\_\_\_\_\_  
\_\_\_\_\_

3. If YES, briefly describe the Part 9 Solid Waste Authority's mission and title:

\_\_\_\_\_  
\_\_\_\_\_

4. If YES, does the Part 9 Solid Waste Authority practice uniform financial accounting methods as prescribed by the Tennessee State Comptroller's Office?

\_\_\_\_ YES \_\_\_\_ NO

#### CHAPTER 13. PERMIT APPLICATION REVIEW

- A. 1. Is the region attempting to control the flow of solid waste, either into or out of the region, by statutory, contract or other method(s)? ☒ YES \_\_\_\_ NO

2. If YES, describe the method(s):

The Matlock Bend Landfill cannot accept any out of county  
waste

- B. Is the region aware the SOLID WASTE REGIONAL PLANNING BOARD (or Part 9 Solid Waste Authority, if one has been created) is responsible for permit review of proposed new disposal facilities once the region's ten-year solid waste plan has been approved? ☒ YES \_\_\_\_ NO

- C. Is the region aware the SOLID WASTE REGIONAL PLANNING BOARD (or Part 9 Solid Waste Authority, if one has been created) may reject an application for a permit for a new solid waste disposal facility or incinerator within the region ONLY upon determining the application is INCONSISTENT WITH THE REGION'S TEN-YEAR SOLID WASTE PLAN [T.C.A. § 68-211-814(b)(2)(B)]? ☒ YES \_\_\_\_ NO

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

REGION NAME: Loudon County

Wayne Tolbert

Typed Name of the Chairman of the Solid Waste Planning Region

Wayne Tolbert

Signature of the Chairman of the Solid Waste Planning Region

3/27/97

Date

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

George W. Miller

Signature of the County Executive(s)

3-26-97

Date

SUBMIT THE ORIGINAL AND ONE COPY BY MARCH 31, 1997 TO:

Tennessee Department of Environment and Conservation  
Division of Solid Waste Assistance  
14th Floor, L & C Tower  
401 Church Street  
Nashville, TN 37243-0455



A

AMENDED AND RESTATED  
LOUDON COUNTY SOLID WASTE DISPOSAL AGREEMENT

An Intergovernmental Agreement between the City of  
Lenoir City, the County of Loudon, and the City of Loudon

THIS AGREEMENT, made and entered into effective the 1st day of March, 1993, by and between the COUNTY OF LOUDON, THE CITY OF LENOIR CITY, and THE CITY OF LOUDON, all political subdivisions of the State of Tennessee;

WHEREAS, by an intergovernmental agreement, dated September 12, 1983, the parties agreed to the procurement and development of a permanent sanitary landfill site for Loudon County; and

WHEREAS, under the agreement Loudon County assumed the responsibility for the procurement of the site, issued capital outlay notes in the sum of Two Hundred Fifty Thousand Dollars (\$250,000.00), and by eminent domain, obtained the Hirsch-Powell property on Old State Highway 72 near the Matlock Bend area for the approximate amount of One Hundred Fifty-Three Thousand Dollars (\$153,000.00); and

WHEREAS, during that time, the City of Loudon continued to operate the jointly leased Poplar Springs landfill site previously operated by joint agreement of the parties hereto, and was responsible for the maintaining of the jointly owned assets and the sanitary landfill funds that were derived from the revenues from the operation of the leased landfill; and

WHEREAS, the Matlock Bend sanitary landfill site was constructed and prepared, and at the time of the execution of the subsequent June 1, 1987, agreement (which this agreement amends), the Poplar Springs landfill had been closed and the new site was in operation under the continuing daily operational responsibility of the City of Loudon, as agreed to by the parties; and

WHEREAS, the Solid Waste Disposal Commission formed under this original agreement, has been responsible for the operation of the Matlock Bend Sanitary Landfill since that time, and in recent years has had an operational agreement with Santok Enterprises of Cleveland, Tennessee; and

WHEREAS, it appears that the cost of operating sanitary landfills, or other solid waste disposal methods, because of more stringent regulations, is going to increase in the future, and a joint operation is essential; and

WHEREAS, it now further has been agreed that the Loudon County Solid Waste Disposal Commission, is to be organized as a continuation of the previous Commission, but to comply with the new regulations and laws involving the Solid Waste Management Act of 1991 (T.C.A. 68-211-801 et seq.), wherein Loudon County has been approved as a Solid Waste Planning Region, for which the Loudon County Solid Waste Disposal Commission shall become the Board for the newly created Loudon County Solid Waste Region; and

WHEREAS, the Loudon County Solid Waste Disposal Commission has been responsible for the overall supervision of the landfill, the development of policy, and for all decisions about solid waste management disposal in Loudon County, and these responsibilities, along with the new authority and responsibility that devolves upon the Commission by virtue of the Solid Waste Management Act of 1991, shall continue except as otherwise properly limited by this Agreement; and

WHEREAS, basically the original Intergovernmental Agreement shall continue, but with some changes being desirable and necessary, it is agreed the new operational agreement is stated as follows:

W I T N E S S E T H

NOW, THEREFORE, IT IS AGREED between the parties as follows:

1. Required Participation: That all parties hereto shall participate in the use of a joint landfill site, called the Loudon County Sanitary Landfill, on Old Highway 72, for all solid waste collected by the parties, which includes, at the least, all residential sanitary waste, and all commercial and industrial sanitary waste, controlled by the parties except for demolition waste and other waste not acceptable by law. However, where deemed appropriate, exemptions or exceptions may be made by the

Commission to the requirement that the landfill must be used by the parties to the Intergovernmental Agreement.

2. Establishment of Commission: There shall be seven (7) members of the Commission. Five (5) shall be appointed by the County Executive and approved by the County Commission, and one (1) member each shall be appointed by the Mayors of the Cities of Lenoir City and Loudon, and approved by the respective City Councils. Members of the Commission shall serve six (6) year terms. The three original slots (appointed by the two Mayors and the County Executive) shall each be for initial six (6) year terms (Panel A); two of the members appointed by the County Executive shall serve an initial four (4) year term (Panel B); and two of the members appointed by the County Executive shall serve an initial two (2) year term (Panel C), all terms to be effective March 1, 1993.

3. Assets of the Commission: All monetary and other capital assets resulting from the previous existing agreement and operation of the Poplar Springs landfill, and all assets accrued in the intervening time, shall continue under jurisdiction of the new Commission.

4. Purpose and Authority of the Commission: The Commission shall have the purpose, authority and responsibility for:

A. The overall supervision of the landfill to include the following:

(1). The establishing of policies for the operation and management of the landfill to include major capital expenditures.

(2). The raising or lowering of tip fees or other charges that might be assessed for the use of the landfill.

(3). The daily operation and management of the landfill will be done by the City of Loudon for a period of one (1) year from the date the new landfill is opened, at which time the arrangement will be reviewed and a decision made by the Solid Waste Disposal Commission as to the continuation of the operational agreement, or as to some other alternative management.

The current operation and management agreement shall remain in effect until such time as a new agreement is reached by the Solid Waste Disposal Commission as to a change.

(4). It is specifically agreed that the unbudgeted purchase of capital items, the expenditures of any major sums of money, and the obligation of the Commission to any contracts for more than one (1) year are policy decisions to be made by the Disposal Commission.

(5). The decision as to what organizations, businesses, and parties may utilize the landfill and any other disposal facilities operated by the Commission shall be under the jurisdiction and discretion of the Commission.

B. The periodic review, and study if necessary, of the solid waste disposal problems and needs of the County, and to make recommendations to the respective governing bodies of the parties to this agreement.

C. Assumes all authority and powers, and the responsibilities, which devolve upon a municipal solid waste region board (T.C.A. 68-211-801 et seq.) by virtue of State law and regulations.

5. Organizational Rules of the Commission: The Commission shall be authorized to adopt its own rules of organization and procedure except as otherwise required herein.

A. The Commission may set its own meeting days, times, and dates, although it is required to meet at least quarterly.

B. A quorum is the personal presence of at least four (4) members, and at least four (4) affirmative votes are required before any action can be adopted.

C. Special meetings may be called by the Chairman or by any two (2) of the parties by giving reasonable notice of the time and place of such meeting to all members.

D. Notice to the public of all meetings shall be given by a written notice delivered to the News-Herald.

E. Minutes shall be kept of all meetings of the Commission.

6. Monthly Reports: The operator of the landfill shall prepare and provide monthly reports to the other parties.

7. Annual Budget: The operator shall prepare a proposed annual budget for presentation to and approval of the Solid Waste Disposal Commission. The budget for the preceding year shall be a continuing document into the subsequent fiscal year until a new budget is adopted.

8. Audits and Records: There shall be an annual audit of the funds of the Commission.

9. Duration of Agreement: The duration of this agreement is indefinite or until otherwise agreed as to termination. Termination requires a unanimous vote. Any one party may withdraw at any time, but shall do so by forfeiting any rights as to the allocation of any assets that might remain.

10. Disposition of Assets: The disposition of assets shall be by agreement of the parties at the time of termination of this agreement, subject to ratification of the respective governing bodies.

11. This Agreement contains amendments from the original Intergovernmental Agreement, and the signatures below indicate approval by the parties to the agreement that this is the restated agreement that shall govern the activities of the parties in waste disposal matters in Loudon County.

IN WITNESS WHEREOF, the duly elected officers of the parties hereto, pursuant to approval from the respective governing bodies, have hereunto set their signatures of each political subdivision, the said agreement to be effective the day and date first above written.

CITY OF LENOIR CITY

BY:

Donald L. Lane

ATTEST:

Harold E. Brown  
City Recorder

COUNTY OF LOUDON

BY:

Greg M. Miller

ATTEST:

John A. Miller  
County Clerk

CITY OF LOUDON

BY:

Bernice R. Swinney

ATTEST:

John A. Miller  
City Clerk

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774  
(423) 966-6097

APRIL 18, 1996

LENOIR CITY PLANNING COMMISSION

Dear Lenoir City Planning Commission,  
As you know the Loudon County Solid Waste Disposal Commission has recently completed the Loudon County Regional Solid Waste Management Plan which meets the requirements of the Solid Waste Management Act of 1991. Due to the fact that the planning document may affect the future of a given area in the Region, the document is to be made available to the appropriate municipal and regional planning commissions.

The Solid Waste Plan is available for your review in the Loudon County Executive's office during regular business hours. If you would like a copy of the Plan, please contact Beth Burklin at the number above. A copy of the Plan was sent to each member of City Council in May 1994. Any comments you may have on the Plan can be addressed to the Loudon County Solid Waste Disposal Commission.

Thank you for your attention.

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774  
(423) 966-6097

APRIL 18, 1996

CITY OF LOUDON PLANNING COMMISSION

Dear Loudon Planning Commission,  
As you know the Loudon County Solid Waste Disposal Commission has recently completed the Loudon County Regional Solid Waste Management Plan which meets the requirements of the Solid Waste Management Act of 1991. Due to the fact that the planning document may affect the future of a given area in the Region, the document is to be made available to the appropriate municipal and regional planning commissions.

The Solid Waste Plan is available for your review in the Loudon County Executive's office during regular business hours. If you would like a copy of the Plan, please contact Beth Burklin at the number above. A copy of the Plan was sent to each member of City Council in May 1994. Any comments you may have on the Plan can be addressed to the Loudon County Solid Waste Disposal Commission.

Thank you for your attention.

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774

Dear Loudon County Planning Commission,

As you know the Loudon County Solid Waste Disposal Commission has recently completed the Loudon County Regional Solid Waste Management Plan which meets the requirements of the Solid Waste Management Act of 1991. Due to the fact that the planning document may affect the future of a given area in the County, the document is to be made available to the appropriate municipal and regional planning commissions.

The Solid Waste Plan is available for your review in the Loudon County Executive's office. Any comments you may have on the Plan can be addressed to the Loudon County Solid Waste Disposal Commission.

Thank you for your attention.



LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
MEMBERS AS OF MARCH 1997

CHAIRMAN

Wayne Tolbert - CITIZEN APPOINTMENT  
9598 Antioch Church Road West  
Lenoir City, TN 37771  
work: 481-8703  
home: 986-3333  
Term Expiration: March 2003

VICE-CHAIR

Albert Jordan Jr. - CITIZEN APPOINTMENT  
502 Mulberry  
Loudon, TN 37774  
home: 458-5845  
Term Expiration: March 2003

TREASURER

Ben Surret - CITIZEN APPOINTMENT  
P.O. Box 294  
Loudon, TN 37774  
work: 458-6240  
home: 458-2287  
Term Expiration: March 2001

Sally Proaps - REPRESENTING CITY OF LENOIR CITY  
329 Redbud Ct.  
Lenoir City, TN 37771  
work:  
home:  
Term Expiration: March 1999

Robert Harrison - REPRESENTING CITY OF LOUDON  
P.O. Box 327  
Loudon, TN 37774  
work: 458-1835  
home:  
Term Expiration: March 1999

Ted Sitzlar - REPRESENTING LOUDON COUNTY COMMISSION  
25800 Highway 72N  
Loudon, TN 37774  
work:  
home: 458-9402  
Term Expiration: March 1999

Sidney Mayes - CITIZEN APPOINTMENT  
820 Highway 70 West  
Lenoir City, TN 37771  
home: 986-4256  
Term Expiration: March 2001

LOUDON COUNTY COMMISSION  
RESOLUTION NO. \_\_\_\_\_

**RESOLUTION APPROVING OR ACKNOWLEDGING BOARD OR  
COMMITTEE APPOINTMENT BY COUNTY EXECUTIVE**

*WHEREAS*, by statute, and/or intergovernmental agreement and/or County Procedural Regulations, the County Executive has authority to make certain committee and board appointments; and

*WHEREAS*, an appointment (or appointments) is necessary and/or desirable at this time; and

*WHEREAS*, the County Executive appoints the following as a member of

***LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION***


<u>Appointee</u>	<u>Term Expiration</u>
Panel B	
Al Jordan	March 2003
Wayne Tolbert	March 2003
Panel A	
Ted Sitzlar (replaces S. Bivens)	March 1999

***NOW, THEREFORE, BE IT RESOLVED*** that the County Commission in regular session assembled this 3<sup>rd</sup> day of March, 1997 hereby approved and acknowledges (as appropriate), the said appointment(s).

\_\_\_\_\_  
COUNTY CHAIRMAN

ATTEST:

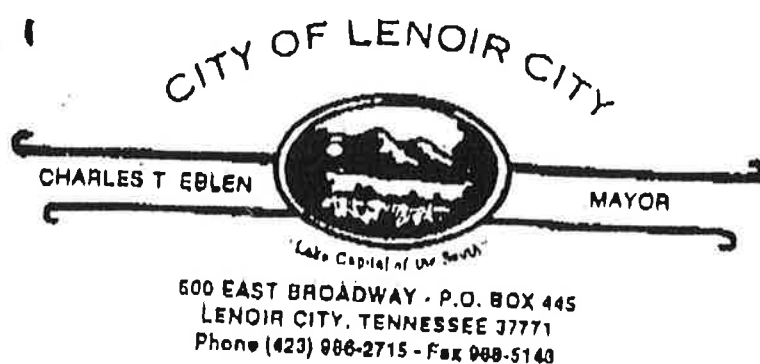
\_\_\_\_\_  
COUNTY CLERK

  
COUNTY EXECUTIVE

The remaining members and their continuing expiration terms for said board or committee are as follows:

<u>Appointee</u>	<u>Term Expiration</u>
Panel A	
Don Pace	March 1999
Robert Harrison	March 1999
Panel C	
Benny Surrent	March 2001
Sidney Mayes	March 2001

CITY COUNCIL  
Idue O. Conner  
Gerald (Gene) Hamby  
Douglas (Buddy) Hines  
Anita S. Kollock  
Volene Maples  
Donald Pace



RECORDER-TREASURER  
Debbie Cook

CITY JUDGE  
Thomas F. Ingram

CITY ATTORNEY  
Terry Vonn

CITY ADMINISTRATOR  
William F. Dunnill

March 12, 1997

**notified**

~~Mr. Wayne Tolbert~~  
~~P.O. Box 2502~~  
Oak Ridge, TN 37831

Dear Mr. Tolbert:

At its regular scheduled meeting on March 10, 1997, Lenoir City Council approved Sally Proaps of 329 Redbud Ct., Lenoir City, TN 37771, as its representative on the Loudon County Solid Waste Disposal Commission replacing Bill Dunnill.

Would you please arrange for her to receive all pertinent information she may need to fulfill her responsibilities on the commission?

Respectfully,

CITY OF LENOIR CITY

Charles T. Eblen  
Mayor

CTE/pab

**LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION**  
**ANALYSIS OF TOTAL TONS ACCEPTED**  
**FOR CALENDAR YEARS 94, 95 AND 96**

<u>MONTH</u>	<u>TOTAL TONS</u>	<u>AVG. PER DAY</u>
1/94	10,408	400.3
2/94	10,488	437.0
3/94	12,869	536.2
4/94	11,683	508.0
5/94	12,158	528.6
6/94	10,957	476.4
7/94	10,304	448.0
8/94	10,864	472.3
9/94	10,441	454.0
10/94	10,432	453.6
11/94	10,414	452.8
12/94	12,064	524.5
<b>TOTAL 94</b>	<b>133,082</b>	<b>474.3</b>
1/95	9,441	410.5
2/95	6,771	322.4
3/95	6,042	262.7
4/95	4,122	179.2
5/95	4,218	183.4
6/95	4,508	196.0
7/95	4,057	176.4
8/95	4,344	188.9
9/95	5,069	220.4
10/95	5,046	219.4
11/95	3,307	143.8
12/95	2,889	125.6
<b>TOTAL 95</b>	<b>59,814</b>	<b>219.1</b>
1/96	3,671	159.6
2/96	2,843	123.6
3/96	3,304	143.7
4/96	3,558	154.7
5/96	3,404	148.0
6/96	3,228	140.3
7/96	3,500	152.2
8/96	3,671	149.8
9/96	3,193	138.8
10/96	3,700	148.0
11/96	3,138	136.4
12/96	3,715	161.5
<b>TOTAL 96</b>	<b>40,925</b>	<b>146.4</b>

TO THE BEST OF MY KNOWLEDGE THESE  
 FIGURES ARE CORRECT AND HAVE BEEN  
 VERIFIED BY THE LOUDON COUNTY  
 LANDFILL AND/OR WASTE HAULERS

  
 \_\_\_\_\_  
 Signature of County Executive

Recycled tires in 1996= 130 tons

in county waste hauled out of county in 1996 = 20,201.5 tons

total waste generated in Loudon County and disposed of in a class 1  
 landfill for 1996 = 61007.43 tons

DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF SOLID WASTE MANAGEMENT  
WASTE PICKED UP IN Loudon County

54

HAULER	TYPE	VOLUME (TONS)	WASTE DISPOSAL SITE	COUNTY ORIGIN
HLR 53-000-1814 LOUDON COUNTY TRUCKING INC 207 WILLIAMSON DRIVE BLAIR BEND INDUSTRIAL PARK LOUDON TN 37774	OTHER	15,878.50	SNL 75-102-0219 MIDDLE POINT LFBFI OF TN 750 E JEFFERSON PIKE MURFREESBORO TN 37130	Loudon County
<i>These figures confirmed by Hauler</i>				

12/31/96

DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF SOLID WASTE MANAGEMENT  
WASTE PICKED UP IN Loudon County

53

HAULER	TYPE	VOLUME (TONS)	WASTE DISPOSAL SITE	COUNTY ORIGIN
HLR 47-000-0115 WASTE MANAGEMENT OF TN KNOXVILLE 2552 WESTERN AVENUE KNOXVILLE TN 37921	OTHER	4,323.00	SNL 01-103-0160 CHESTNUT RIDGE LANDFILL PO BOX 139 FLEENOR MILL ROAD HEISKELL TN 37754	Loudon County
HLR 07-000-0745 DEXIE ROOFING INC ROUTE # 2 BOX 94 LAFOLLETTE TN 37766	OTHER	5.50	SNL 53-103-0203 LOUDON SANITARY LANDFILL 100 RIVER ROAD #109 LOUDON TN 37774	Loudon County
HLR 47-000-0115 WASTE MANAGEMENT OF TN KNOXVILLE 2552 WESTERN AVENUE KNOXVILLE TN 37921	OTHER	719.00	SNL 53-103-0203 LOUDON SANITARY LANDFILL 100 RIVER ROAD #109 LOUDON TN 37774	Loudon County
HLR 47-000-0645 TN WASTE MOVERS PROCESSED WASTE HAULER PO BOX 397 LENOIR CITY TN 37771	OTHER	5,940.00	SNL 53-103-0203 LOUDON SANITARY LANDFILL 100 RIVER ROAD #109 LOUDON TN 37774	Loudon County
HLR 53-000-0773 LOUDON (CITY OF) PO BOX 189 LOUDON TN 37774	HOUSE	1,141.54	SNL 53-103-0203 LOUDON SANITARY LANDFILL 100 RIVER ROAD #109 LOUDON TN 37774	Loudon County
HLR 53-000-0773 LOUDON (CITY OF) PO BOX 189 LOUDON TN 37774	OTHER	2,299.39	SNL 53-103-0203 LOUDON SANITARY LANDFILL 100 RIVER ROAD #109 LOUDON TN 37774	Loudon County
HLR 53-000-0773 LOUDON (CITY OF) PO BOX 189 LOUDON TN 37774	TIRES	1.27	SNL 53-103-0203 LOUDON SANITARY LANDFILL 100 RIVER ROAD #109 LOUDON TN 37774	Loudon County
HLR 53-000-1672 V & R GARBAGE SERVICE 312 BUCKNER ROAD PHILADELPHIA TN 37846	HOUSE	286.00	SNL 53-103-0203 LOUDON SANITARY LANDFILL 100 RIVER ROAD #109 LOUDON TN 37774	Loudon County
HLR 79-000-1795 BFI OF TN INC 2750 ONE COMMERCE SQUARE	HOUSE	97.00	SNL 53-103-0203 LOUDON SANITARY LANDFILL 100 RIVER ROAD #109	Loudon County

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774  
(423) 966-6097 PHONE  
(423) 966-6129 FAX

Loudon County would like to request an extension to meet our 25% reduction goal. This report will discuss why the goal was not met, as well as how the County plans to meet the goal in the future.

The Loudon County Landfill has reduced its waste intake drastically. Tonnage at the landfill in 1996 decreased 40% from the base year 1989, and it has decreased 32% from 1995. The goal was not met due to in county waste being hauled out of county. This waste is substantial at 20,201.5 tons. Attached to this report is a copy of the letter requesting an adjustment in the 1989 baseline data. This letter is relevant in that it states the tonnage used for the baseline is the actual disposal figure for the Matlock Bend landfill. This figure does not take into account any waste leaving the County. The decrease in tonnage at the Matlock Bend landfill over the past seven years is mainly due to Industry source reduction, and can be tracked, therefore it can be concluded that the waste leaving the county is not waste that was once going to the county landfill and is now being diverted. It is believed that this waste has been leaving the county for all these years, but the Loudon County Solid Waste Disposal Commission had no knowledge of it.

Recycling efforts in the county have increased through more education and more community events. These efforts have paid off with more recycling being done in the county. Total recycling has increased 31% since 1995. This trend is expected to continue with the addition of a convenience/recycling center in the county. Household Hazardous Waste participation was increased in 1996, and two HHW events have been scheduled for 1997.

Santek, operator of the Matlock Bend landfill has been working on establishing relationships with area industry to better track recycling, educate on waste options, and to offer solutions to waste dilemmas.

Based on the information presented in this report, Loudon County would like to request an extension of four years to meet the 25% reduction goal.

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION  
100 RIVER ROAD #109  
LOUDON, TENNESSEE 37774

May 25, 1994

Carol White, Director  
Tennessee State Planning Office  
307 John Sevier Building  
500 Charlotte Avenue  
Nashville, Tennessee 37243-0001

Dear Ms. White:

In response to T.C.A. Section 68-31-861(a) and (b), this letter is to request an adjustment in the 1989 waste generation baseline data for Loudon County's Regional Solid Waste Plan (Chapter IV). The Loudon County Regional Solid Waste Plan will contain the following documentation for an adjustment to the base year generation and variances from the waste reduction goals:

The population and quantity of solid waste generated and disposed of in calendar 1989 for Loudon County were 31,500 and 67,930, respectively. Thus the waste generated and disposed of per capita was 2.16 tons per capita per year. This figure was the actual disposal amount reported by Santek Environmental Services operator of the Matlock Bend Landfill and recorded by the Loudon County Solid Waste Disposal Commission recorder. The UT study estimated a waste generation of 26,508 tons per year based on national waste generation averages and population estimates. For planning purposes, Loudon County proposes to use the actual disposal figure reported by Santek and Loudon County, not the UT estimate.

Documentation of the waste disposed at the Matlock Bend (Loudon County) landfill from 1988 through 1991 is enclosed to provide verification of the actual waste disposal amounts. Therefore, we are requesting an adjustment of the base year generation from 26,508 to 67,930 tons. If you have any questions, please call Beth Burklin, the LCSWDC administrative assistant at 966-6097. Thank you for your consideration.

Sincerely,

Wayne Tolbert, Chair  
Loudon County Solid Waste Disposal Commission

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

## COUNTYWIDE COLLECTION ASSURANCE

Loudon County has approximately 12,645 households. The cities of Loudon and Lenoir City provide curbside collection service to approximately 4,585 households. Tellico Village Property Owners Association currently contracts with a private hauler to provide curbside collection service to approximately 800 households. There are currently four private haulers who offer service to Loudon County residents. Loudon County operates one Convenience/Recycling Center in Loudon, and is planning to open a Convenience/Recycling Center in Lenoir City. The additional Center will ensure a higher level of service than is mandated.



List of dumpsites in Loudon County:

Carpenters Loop Road  
Road off East Tellico Parkway  
    (across from Lauderdale Cove)  
Notchen Hill Road  
Hwy. 321 off White Wing Road (no name)  
Jim Dyke Road  
Sunnyside Road by Cokers  
Cot Good Hollow Road  
Town Creek West at Dr. office  
Paint Rock Road at Lake Luwana  
Vonore Road at Ruitan Club  
Carter's Chapel Road

F

RECYCLING REPORT TO THE LOUDON COUNTY SOLID WASTE COMMISSION:

In 1995, Kimberly -Clark, Loudon mill started networking with the Loudon County schools to recycle office paper. The cost of transporting the paper became prohibitive.

In September of 1996, I received a letter from Kimberly Clark stating they could no long furnish transportation for this program. I discussed this with LCBB and Sheriff Guider and we agreed to try to rescue the program that was keeping a large portion of paper out of our landfill.

I direct the Loudon County litter grant program along with the Loudon County Sheriff's department. A Loudon County deputy takes the trustees (prisoners) out to pick up trash on county roads. The litter crew could transport the office paper to Kimberly Clark. Given these facts, we saw a way to rescue a great educational program plus save space in the landfill. This amount can also be applied to the 25 per cent reduction of our waste stream.

The County Office Building has also started a recycling program for office paper. Since October of 1996, 12,290 pounds of paper have been taken to Kimberly-Clark. The program continues to grow as we speak. So far the litter crew has been able to keep up with the volume.

I have spoken with a recycling company in Knoxville that will pick up the paper for a small fee if it becomes too much for the litter crew.

I feel this is a very unique educational program for the schools. They can be part of completing the recycle circle (process); all within our own county.

Recycling aluminum cans netted 312 pounds during the same time period. There is a drop off container beside the coke machine in the county office building and a dumpster at the Convenience Center for aluminum cans. Most of the schools have their own can recycling programs.

Another form of recycling in place at the Loudon County Convenience Center is newspaper recycling. An average of seven or eight tons of newsprint are taken to a vendor in Knoxville every three or four weeks.

We also have newspaper recycling bins at most of the county schools and also at the county office building. Southeast Recycling of Knoxville furnishes the bins and picks up the paper once a month. The company gives the schools back the market value of the paper for their projects. The school

department receives the money for the county office building.

Magazines can also be brought to the Convenience Center to be recycled. Kimberly Clark will take them into their Loudon Mill to process. As we do spring cleaning this year, we can feel good about getting rid of old magazines that collect over the year.

The 1996 "Chipping of the Green" has been completed. There was a total of 123 trees that were brought to the sites to be chipped. Tellico Village was the site that had the most trees collected.

We appreciate all the people who brought their trees to the sites.

The LCBB/Litter Grant Program takes the money from the recycling of newspaper and puts it back into the community in the form of landscaping projects.

Some of the projects that funds have helped have been the Loudon County Health Department, Loudon County Court House Annex and the latest is the Loudon County Sheriff's Department at the Justice Center.

The LCBB recently had 2,500 tulips bulbs planted along with other spring flowers that will bloom this spring. The man who planted the bulbs has worked in Dollywood, Pigeon Forge, Gatlinburg, and other places. The bulbs should be pretty for years to come.

The LCBB is planning several educational projects in the near future. Poster contest for the second grades next month and clean campus awards this spring. Recycling awards during the Dogwood Festival. It is going to be a busy spring for LCBB.

Submitted by:

A handwritten signature in cursive script, reading "Ann D. Hammontree".

Ann D. Hammontree, Coordinator

## LOUDON COUNTY RECYCLING SITES

Newspapers are currently being recycled at the Loudon County Convenience Center. There is a bin that contains only newspapers. The public is requested to bring newspapers in bags (grocery store bags are fine).

Other sites for recycling newspapers are area schools: Philadelphia School, Fort Loudoun Middle School and Elementary School, Highland Park School, Greenback School, North Middle School, Lenoir City Elementary School, Lenoir City High School and Steekee School. The County Office Building also recycles newspapers. The schools have recycling bins outside the buildings.

The newsprint is taken to a vendor and the money generated is put back into the community or given back to the schools for their projects. Every household generates newspapers daily. This is an excellent way to save our natural resources.

Another way to help the environment is aluminum can recycling. The aluminum cans are collected at the Loudon County Convenience Center and taken to a local vendor for processing. The funds are also put back into the community.

The newest form of recycling at the Center is magazine recycling. Kimberly-Clark will take the magazines into their Loudon mill. As we clean out our old magazines, we can now feel good about getting rid of them in the proper way. The Center has a container for magazines only.

For more information, call Loudon County Beautification Board at 458-1987.

**LOUDON COUNTY BEAUTIFICATION BOARD**

Ann D. Hammontree  
Coordinator