

THIS ORDINANCE REPEALS ORIDNANCE NUMBER 410, DATED JULY 8, 2002, ENTITLED 'UNIFORM SOLID WASTE MANAGEMENT' IN ITS ENTIRETY. ALL OTHER ORDERS, RESOLUTIONS OR OTHER PROCEDURES IN CONFLICT WITH THIS ORDINANCE ARE HEREBY REPEALED, BUT ONLY TO THE EXTENT OF THAT CONFLICT. THE NEW SOLID WASTE ORDINANCE WILL BE KNOWN AS ORDINANCE NUMBER 610, ENTITLED '2012 FAIRFIELD COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE DATED APRIL 2012'.

2012 FAIRFIELD COUNTY
SOLID WASTE MANAGEMENT PLAN UPDATE



Prepared For:
Fairfield County

April 2012

**2012 FAIRFIELD COUNTY SOLID WASTE
MANAGEMENT PLAN UPDATE**



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I. EXECUTIVE SUMMARY

Fairfield County is located in the Central Midlands Planning Region of South Carolina, and encompasses approximately 687 square miles with a population of approximately 23,343 (South Carolina Department of Health and Environmental Control (SCDHEC) Solid Waste Management Annual Report for the 2010 Fiscal Year). The County is bordered to the north by Chester County, the northeast by Lancaster County, to the east by Kershaw County, to the south by Richland County, to the west by Newberry County, and to the northwest by Union County. Municipalities within the County include the Town of Ridgeway and the Town of Winnsboro.

A. PLAN DEVELOPMENT

In 1991, the South Carolina General Assembly passed new legislation regarding the disposal of solid waste after the Environmental Protection Agency (EPA) became concerned with existing handling and disposal practices. On May 27, 1991, Governor Carroll Campbell signed the South Carolina Solid Waste Policy and Management Act of 1991, as amended (the Act) into Law. The Act, as codified in Section 44-96-10 of the Code of Laws of South Carolina (1976), as amended (the Code), addresses regulations and requirements related to the planning, development, and operation of solid waste management facilities in South Carolina. The Fairfield County Solid Waste Management Plan (the Plan), as amended, was prepared following the guidelines specified through the Act as a guidance document for solid waste management in Fairfield County (the County) during a planning period of spanning from 1994 to 2010. The Plan was initially developed in 1994 through the contributions of the nine (9) member Fairfield County Solid Waste Advisory Committee (SWAC). The Fairfield County Solid Waste Advisory Committee (1994) was comprised of the following members:



NAME	REPRESENTING
William A. Frick	Chairman
Bill Bittenger	Uniroyal Inc., Ret.
Richard Burton	Town of Winnsboro
R. B. Cooper	Fairfield County
James Futrell	Town of Winnsboro
Cleveland Lee	Fairfield County
Carnell Murphy	Fairfield County
Doug Portor	Town of Ridgeway
Fraiser Saunders	Chambers Corp. of South Carolina

The Plan was adopted by Fairfield County Council in February 1994, revised in November 1994, and amended in January 2002, September 2004, May 2006, June 2006, January 2007, and February 2007 to cover a planning period from 2007 through 2026. The plan is being updated (February 2012) to cover a planning period from 2012 to 2031.

In April 2004, SCDHEC developed a new procedure for determining consistency with the solid waste management plan, pursuant to a decision by the South Carolina Supreme Court in *Southeastern Resource Recovery, Inc. versus SCDHEC, et al*, 595 S.E.2d 468 (2004). As a result of this ruling, the Department could no longer delegate to the counties the authority to determine consistency. SCDHEC would determine consistency within each county by utilizing the Solid Waste Management Plan on file with the Department.

The Plan is an overview of the County's solid waste management system including collection, transfer, and disposal of solid waste and recyclable materials within the County, and its municipalities of the Town of Ridgeway and the Town of Winnsboro. The information included in the Plan was obtained from the Fairfield County Solid Waste Management Plan dated February 1994, revised November 1994,



and most recently amended in February 2007, Fairfield County Solid Waste Personnel, SCDHEC, the South Carolina Budget and Control Board Office of Research and Statistics, and the South Carolina Employment Security Commission. Copies of the Plan are available for review and inspection from the County upon request.

B. PUBLIC INVOLVEMENT

Public participation into the Fairfield County Solid Waste Management Plan, when completed in 1994, was achieved by the following methods:

Composition of the Solid Waste Advisory Council – The Fairfield County Solid Waste Advisory Council (SWAC) was formed in 1993 to guide the County in the development of its Solid Waste Management Plan, and included three (3) members appointed by Fairfield County Council, two (2) members appointed by the Town of Winnsboro, and one (1) member appointed by the Town of Ridgeway. These six (6) members chose three (3) additional members from the private sector to also serve on the SWAC. The SWAC established the following subcommittees, which met several times during the months of August 1993 through November 1993, to develop the Fairfield County Solid Waste Management Plan:

Collection and Transfer

- Mr. Bill Bittinger, Chairman
- Mr. R. B. (Bud) Cooper
- Mr. Fraiser Saunders

Solid Waste Treatment and Disposal

- Mr. Cleveland Lee, Chairman
- Mr. Doug Porter
- Mr. Carnell Murphy



Recycling, Reuse and Reduction and Special Wastes

- Mr. James Futrell, Chairman
- Mr. William A. Frick
- Mr. Richard Burton

Members of the Central Midlands Regional Planning Council met with the subcommittees to help identify problems, establish goals for major areas, and assist in developing recommendations. Local jurisdictional experts, private companies, and the general public were brought in as needed during the development of the Plan. The subcommittees reconsolidated, and a recommended action plan was developed by the full SWAC. This plan was presented to Fairfield County Council for initial comments and to the Town of Winnsboro and the Town of Ridgeway for input at local council meetings. No comments were addressed as a result of these public meetings.

The Plan was then presented at a formally advertised public meeting held in the Fairfield County Council Chambers beginning at 6:00 p.m. on Thursday, February 10, 1994. Under the Fairfield County Solid Waste Management Plan, the SWAC is responsible for conducting year-end evaluations of the plan, and will provide amendment recommendations as needed.

A draft version 2012 Fairfield County Solid Waste Management Plan Update was compiled by Alliance Consulting Engineers, Inc. in April of 2012. The Plan was provided to the Fairfield County Public Works Solid Waste and Recycling Coordinator for initial review and comment. Any comments identified as a result of this review were addressed. The Plan was then taken before Fairfield County Council for input at a County Council Meeting. No comments were identified as a result of this council review.



The Plan was then presented at a formally advertised public meeting held in the Fairfield County Council Chambers beginning at 6:00 p.m. on Monday, February 11, 2013. Under the 2012 Fairfield County Solid Waste Management Plan Update, Fairfield County Public Works is responsible for conducting year-end evaluations of the Plan, and will provide amendment recommendations as needed.

C. ANNUAL PLAN REVISION

As outlined in the Act, as amended, the Plan must be reviewed annually and updated, as needed, to include changes that are deemed necessary at the time. The Fairfield County Solid Waste Management Department will review the Plan, and present proposed revisions to Fairfield County Council (Council) for consideration and subsequent approval by majority vote. Once revisions have been presented to and approved by Council, the revised Plan will be submitted to SCDHEC by the Director of the Solid Waste Department. All modified portions of the Plan will include the date of the revision to ensure that both SCDHEC and Fairfield County reference the most current documentation.

D. ANNUAL PROGRESS REPORTS

Fairfield County is required by the Act to prepare and submit an Annual Progress Report to SCDHEC each year. The annual progress report will be prepared by the Fairfield County Solid Waste Management Department, and will include any revisions to the SWMP, amount of waste disposed of at municipal solid waste disposal facilities, percentage reduction in solid waste disposed at municipal solid waste disposal facilities, amount, type, and percentage of recycled materials, percentage of population participating in recycling, and descriptions of new recycling programs.

All owners and/or operators of solid waste facilities within the County must submit an Annual Progress Report to the Solid Waste Management Department each year, including: physical location, tonnage received during the previous year, capacity



remaining, life expectancy, regulatory compliance history and other pertinent information.

Although it is not required, it is strongly recommended by Fairfield County that all private waste hauling companies submit an Annual Progress Report to the Solid Waste Management Department each year, including: amount of waste collected during the previous year, the number of households served, and other pertinent information requested by the County.



II. LEGISLATIVE AUTHORITY

Solid waste management facilities in Fairfield County are governed by federal, state and local regulations. The EPA and SCDHEC have established regulations regarding the management of solid waste. These regulations provide guidance and assistance for the planning and implementation of solid waste management facilities.

A. FEDERAL & STATE REGULATIONS

The EPA enacted the Resource Conservation and Recovery Act (RCRA) of 1976 as the primary federal law regulating solid waste management. The law is divided into two (2) major sections. The first section, Subtitle C (Hazardous Waste), established a national regulatory program to control the management of hazardous wastes. South Carolina received authorization from the EPA to begin regulating these activities in 1985. The second section of the RCRA is Subtitle D (Solid Waste). This section established a framework for federal, state, and local government cooperation for solid waste management. As a result of this law, the federal government provides minimum national standards for protecting human health, the environment, and further provides technical assistance to states for planning and implementing their individual solid waste management policies.

The principal law that governs solid waste management within the State of South Carolina is the South Carolina Solid Waste Policy and Management Act of 1991, as amended (the Act). The Act authorizes SCDHEC to enforce appropriate federal and/or state standards. Therefore, SCDHEC implemented the Regulation *R 61-107.258 Solid Waste Management: Municipal Solid Waste Landfills*, which regulated all municipal solid waste management within the State. Additional regulations were in place for the management of Solid Waste Processing, Solid Waste Collection and Transportation, Lead-Acid Batteries, Waste Tires, Used Oil, etc. In 1999, SCDHEC revised the South Carolina Solid Waste Management Plan which



outlines the existing solid waste management systems within the State, and mandates new goals with regards to recycling and reduction.

Section 44-96-80 (J) of the Code gives the governing body of each county the responsibility and authority to provide for the management of solid waste within the county. Each county can enact ordinances that may be necessary to control the processing and disposal of solid waste.

On May 23, 2008, SCDHEC implemented Regulation, *R. 61-107.19 Solid Waste Management: Solid Waste Landfills and Structural Fill*. This regulation replaced and repealed Regulations *R.61.107.11 Solid Waste Management: Construction, Demolition, and Land-clearing Debris Landfills*, *R.61-107.13 Solid Waste Management: Municipal Solid Waste Incinerator Ash Landfills*, *R.61-107.16 Solid Waste Management: Industrial Solid Waste Landfills*, and *R.61-107.258 Solid Waste Management: Municipal Solid Waste Landfills*.

B. EXISTING ORDINANCES

The County does not have an ordinance in place that regulates solid waste and recycling activities in Fairfield County.

C. SOLID WASTE POLICIES

The County strives to operate its solid waste management system in a manner that is efficient and economical, while protecting human health and the environment. Fairfield County does not allow the import of Municipal Solid Waste (MSW) generated outside of the County. MSW collected at the Recycling and Convenience centers is taken to the Fairfield Transfer Station (SCDHEC Facility ID 202401-6001). No out-of-county Construction and Demolition debris (C&D) waste is permitted for disposal in Fairfield County. The ten (10) Fairfield County Recycling and Convenience Centers are for Fairfield County residential use only. No business,



commercial, or industrial companies are allowed to dispose of waste at these locations.

Fairfield County does not authorize any open dumping. The Fairfield County Sheriff's Department employs one (1) full time Litter Control Officer, and forty-six (46) deputies for the enforcement of litter laws and ordinances. Anyone found littering within the County is subject to penalties and fines in accordance with South Carolina law. Scavenging is strictly prohibited at the ten (10) Fairfield County Recycling and Convenience Centers, and the Fairfield County Transfer Station by County ordinance and State statute.

D. ORGANIZATION STRUCTURE

The Fairfield County Council is the governing body regarding solid waste planning and disposal within the County. The Solid Waste Management Department oversees the daily management of the solid waste program and makes recommendations to the Council. The solid waste representatives for the County are as follows:

Mr. Philip L. Hinely, County Administrator

350 Columbia Road

Post Office Drawer 60

Winnsboro, South Carolina 29180

Telephone: (803) 712-6502

Facsimile: (803) 635-5969

E-Mail: sclowney@fairfieldsc.com

Mr. Jake Gaston, Solid Waste & Recycling Coordinator

2067 US Highway 321 Bypass North

Post Office Drawer 60

Winnsboro, South Carolina 29180

Telephone: (803) 635-2740

Facsimile: (803) 712-6512

E-Mail: jgaston@fairfieldsc.com



III. DEMOGRAPHICS

Factors affecting solid waste management and the facilities required to meet public demand for disposal and recycling include population and economic growth. The United States Census Bureau completed the 2010 census to determine the population as of April 1, 2010. This data, in conjunction with population projections provided by the South Carolina Budget and Controls Board's Office of Research and Statistics, aids in determining solid waste management requirements to provide disposal and recycling services to Fairfield County residents. Additionally, an increase in economic growth within an area generally indicates an increase in solid waste, particularly C&D waste generated during the construction of new facilities. In combination with the amount of growth, the location of the growth is equally important when determining the efficiency of a solid waste management system. Economic trends and countywide land use information was provided by Fairfield County to observe these characteristics.

A. POPULATION TRENDS

The population of the County is vital to the planning of its solid waste management system. The growth or decline of an area affects the solid waste management system in terms of the amount of waste generated, the number of Recycling and Convenience Centers required to serve area residents, and the number of vehicles needed for transport of collected waste. The population of the County from 1980 to 2010 is illustrated in Table 1 to provide baseline trends for the population growth and decline in the County. The overall population of the County has increased by approximately sixteen percent (16%) since 1980.

Table 1 – Population Counts for Fairfield County				
1980	1990	2000	2010	Change (%)
20,700	22,295	23,454	23,956	16

Source: "State and County QuickFacts," US Census Bureau



B. POPULATION PROJECTIONS

The US Census Bureau produces July 1st population estimates for each year after the last published decennial census, as well as past decades. The decennial base counts are updated using existing data such as births, deaths, Federal tax returns, Medicare enrollment, and immigration. These population estimates are used to project the population of a given area for future years. It must be noted that these projections of future population are based solely on census data, and do not reflect characteristics such as the fertility, mortality, or migration of the actual population within the County.

As illustrated in Table 2, according to the South Carolina Budget and Control Board Office of Research and Statistics, the County's population will increase from approximately 23,956 in 2010 to approximately 26,610 in 2030 (approximately +11%). The population projections for the years 2010 to 2030 were based upon an annual growth rate of 0.537%.

Table 2 – Fairfield County Population Projections (2010 – 2030)				
Year	Population		Year	Population
2010	23,760		2021	25,381
2011	24,082		2022	25,515
2012	24,209		2023	25,649
2013	24,337		2024	25,784
2014	24,465		2025	25,920
2015	24,594		2026	26,057
2016	24,723		2027	26,194
2017	24,853		2028	26,332
2018	24,984		2029	26,471
2019	25,116		2030	26,610
2020	25,248			



Based upon the current population trends in the County, it is expected that most of the future economic development in Fairfield County is forecasted to take place in and around the SC Highway 34 area, between the City of Winnsboro and the Town of Ridgeway, along the I-77 corridor. As a result of the increased population, the volume of solid waste generated within the County has increased during the past decade, and will most likely continue to do so over the following decade.

C. ECONOMIC TRENDS

The characteristics of a local economy are significant indicators of growth. Changes in the economic base of the County will directly affect the solid waste management system in the County, and must be an integral part of solid waste planning. As illustrated in Table 3, the unemployment rate for Fairfield County has grown since 2000. Generally, as an area's unemployment rate decreases, the waste stream generated through industrial and commercial business in that area will increase. It should be noted that not all of the County's labor force works within the borders of Fairfield County, nor does it include workers residing in adjacent counties. As more people are employed in the County, more waste will be generated at both the work place and at home.

Table 3 – Unemployment Rate Trends			
Year			Persons Unemployed in 2010
1990	2000	2010	
9.8%	4.8%	13.5%	1,541

D. LAND USE

Land use is an important characteristic to be evaluated in the development and implementation of a solid waste management system because it indicates areas of growth and urban development, both of which result in increased waste generation. The concentration of population in different areas throughout the County directly affects the collection and transportation of solid waste and recyclables. If the



population increases too rapidly in an urbanized area, a strain could be placed on the existing infrastructure, including solid waste management facilities.

The County is located in the Central Midlands Planning Region of South Carolina. The total area, both land and water, is approximately 454,000 acres or 710 square miles. Most of the land in the County is privately owned with the exception of a small amount of land owned by the County, its municipalities, and the State and Federal governments. The County is located within close proximity to urban areas and their amenities, but land use is primarily agricultural and wooded with the exception of developing areas along the major transportation corridors. Residential development comprises the majority of urban development in the County.

I-77 connects Fairfield County with Charlotte, North Carolina and Columbia, South Carolina. I-20 is located approximately sixteen (16)-miles from the limits of the County, and provides access from Florence, South Carolina to Atlanta, Georgia. I-26 extends near the southwestern boundary of the County, and provides access from Charleston, South Carolina to the west. These major corridors are experiencing growth as industry and commercial entities enter the area.

Other major routes through the County include US Highway 321, SC Highway 34, SC Highway 200, SC Highway 21, SC Highway 213, SC Highway 215, and SC Highway 269. The routes traverse the County providing both industrial and residential traffic to the growing areas of the County.

It is anticipated that the future growth in the County will take place in and around the SC Highway 34 area, between the City of Winnsboro and the Town of Ridgeway, along the I-77 corridor. This area will develop due to an influx of industrial development, available utility services, and steady economic base. As these areas grow, the demand for solid waste management services will increase.



IV. DEFINITIONS

A. COUNTY

“County” means the county of Fairfield, South Carolina.

B. GOVERNMENT

“Government” means any federal, state or local agency.

C. HANDBILL, COMMERCIAL

“Handbill, commercial” means any printed or written matter, any sample or device, dodger, circular, leaflet, pamphlet, paper, booklet, or any other printed or otherwise reproduced original or copies of any matter of literature, excluding newspapers:

1. Which advertises for sale any merchandise, product, commodity, or thing;
or
2. Which directs attention to any business or mercantile or commercial establishment, or other activity for the purpose of either directly or indirectly promoting the interest thereof by sales; or
3. Which directs attention to or advertises any meeting, theatrical performance, exhibition, or event of any kind when an admission fee is charged or a collection is made up for the purpose of defraying the expenses incident to such meeting, theatrical performance, exhibition, or event of any kind when either of the same is held, given or takes place in connection with the dissemination of information which is not restricted under the ordinary rules of decency, good morals, public peace, safety and good order; provided, that nothing contained in this section authorizes the holding, giving, or taking place of any meeting, theatrical performance, exhibition, or event of any kind, without a license, where such license is or may be required by any law of this state or under any ordinance of this county; or



4. Which, while containing reading matter other than advertising matter, is predominantly and essentially an advertisement, and is distributed or circulated for advertising purposes, or for the private benefit and gain of any person so engaged as advertiser or distributor.

D. HANDBILL, NONCOMMERCIAL

“Handbill, noncommercial” means any printed or written matter, any sample, or devise, dodger, circular, leaflet, pamphlet, newspaper, magazine, paper, booklet, or any other printed or otherwise reproduced original or copies of any matter of literature not included in the definitions of a commercial handbill or newspaper.

E. HAZARDOUS WASTE

“Hazardous Waste” means any substance that is potentially damaging to the environment and harmful to the health of humans and other living organisms.

F. HIGHWAY

“Highway” is synonymous with and includes street, road and alley.

G. LITTER

“Litter” means all waste material including but not limited to containers, packages, wrapping, printed matter, cigarette filters, trash, garbage or refuse or other material thrown or deposited in this ordinance, but not including the wastes of the primary processes of mining, logging, saw milling, farming, or manufacturing.

H. PARK

“Park” means a park, reservation, playground, beach, recreation center, or any other area in the county devoted to active or passive outdoor recreation.

I. PERSON

“Person” means any individual, political subdivision, government agency, municipality, industry, public or private corporation, co-partnership, association, firm, or other entity whatsoever.



J. PLACE, PUBLIC

“Place, public” means any area that is used or held out for use by the public whether owned or operated by public or private interests.

K. PUBLIC

“Public” means citizens or transients of Fairfield County.

L. REGULATIONS, STATE

“Regulations, state” means the regulations duly promulgated and adopted by the South Carolina Department of Health and Environmental Control pursuant to Chapter 96 of the South Carolina Code of Law and codified or prepared for codification as part of the Fairfield Municipal Code, which are by this reference incorporated in this ordinance as if set for in full.

M. RESIDENCE, PRIVATE

“Residence, private” means any privately owned yard, grounds, walk, driveway, dwelling, house, building, or other structure, including appurtenant porches, steps or vestibules use or designed either wholly or in part for private residential purposes, whether single-family, duplex or multiple, and whether inhabited or temporarily or continuously uninhabited or vacant.

N. ROAD

“Road” is synonymous with and includes street, highway, and alley.

O. RECEPTACLE

“Receptacle” means a container meeting minimum requirements of the Regulations of the South Carolina Department of Health and Environmental Control for storage of solid waste.

P. RUMMAGE

“Rummage” means to search by handling, turning over, or disarranging the contents of.

**Q. SOLID WASTE**

“Solid Waste” means garbage, hazardous or other refuse, rubbish, trash, litter, containers, packages, wrapping, printed matter, waste tires and white goods, lead-acid batteries, used oil, and other discarded solid materials, including building materials and solid or semisolid waste materials resulting from industrial, commercial, and agricultural operations, and from community activities, or other material throw or deposited as prohibited in this ordinance. This term does not include solids or dissolved materials in domestic sewage or other significant pollutants in water resources, such as silt, dissolved or suspended solids in industrial wastewater effluents, dissolved materials in irrigation return flows or other common water pollutants. Solid Waste shall refer collectively to any or all of the waste materials mentioned in this definition, unless otherwise specified.

R. STATE

“State” means the state of South Carolina.

S. STREET

“Street” is synonymous with and includes road, highway, and alley.

T. UNSANITARY ACCUMULATION

“Unsanitary accumulation” means any amount of solid waste, which is odiferous, pestiferous, or otherwise threatening to human health.

U. UNSIGHTLY ACCUMULATION

“Unsightly accumulation” means any amount of solid waste, which is not properly containerized in any approved refuse receptacle.

V. VEHICLE

“Vehicle” means every device capable of being moved upon a public street and in, upon, or by which any person or property is or may be transported or drawn upon a public street, excepting devices moved by human or animal power or used exclusively upon stationary rail or tracks.



W. WATERCRAFT

“Watercraft” means any boat, ship, vessel, barge, or other floating craft.

X. WHITE GOODS

“White goods” include refrigerators, ranges, water heaters, freezers, dishwashers, trash compactors, washers, dryers, air conditioners, and commercial large appliances.

- All words used in the present tense include the future and past tenses, all words in the plural number include the singular number, and all words in the singular number include the plural number.

- The word “shall” is mandatory and not merely directory.



V. EXISTING SOLID WASTE MANAGEMENT

SCDHEC is responsible for the permitting and/or registering of solid waste related facilities in accordance with the South Carolina Solid Waste Policy and Management Act and Regulation *R.61-107.19*. Under these regulations a solid waste management system is regulated by the type of waste and the disposal process. Several of these regulated facilities are currently in operation within Fairfield County.

A. GENERATION & CHARACTERIZATION

The Act requires that all solid waste facilities conduct accurate record keeping of waste stream data. Also required by the Act, counties must submit annual progress reports to SCDHEC by October 1st of each year. According to the SCDHEC's Fiscal Year 2010 Solid Waste Management Annual Report, the County generated the following amounts of waste for disposal from July 1, 2009 to June 30, 2010:

Class One	Land Clearing Debris:	0 tons
Class Two	Construction and Demolition Debris:	10 tons
Class Three	Municipal Solid Waste:	20,935 tons
	Industrial Process Waste:	121 tons

The County only maintains records on solid waste over which it has control including waste received at the Recycling and Convenience Centers and the Fairfield County Transfer Station. The County also strives to receive accurate waste stream information from the private haulers. The waste figures stated above may include waste generated and then disposed at private landfills.



B. COLLECTION, TEMPORARY STORAGE, & TRANSPORTATION OF SOLID WASTE

The collection, temporary storage, and transportation of solid waste are regulated by SCDHEC Regulation *R 61-107.5 Solid Waste Management: Collection, Temporary Storage and Transportation of Municipal Solid Waste*. This regulation was developed to establish minimum standards for the collection, temporary storage, and transportation of solid waste prior to processing, disposal, etc. of that waste. Fairfield County utilizes Recycling and Convenience Centers for the collection, temporary storage, and/or transportation of solid waste.

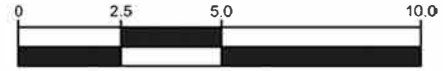
1. Recycling and Convenience Centers

The County owns and operates ten (10) Recycling and Convenience Centers (Exhibit A) for the collection of household municipal solid waste, white goods, and recyclables including aluminum & steel cans, all plastics #1 through #7, mixed paper, corrugated cardboard, used oil, used oil bottles & filters, batteries, scrap metal, bulk waste also known as brown goods, waste tires, and yard and land-clearing debris. The Blair and Jenkinsville Recycling and Convenience Centers are open from 2:00 P.M. to 6:00 P.M. on Sunday while the remaining eight (8) Recycling and Convenience Centers (Adger, Lake Monticello, Lake Wateree, Mitford, Ridgeway, Scotts Crossing, Winnsboro, and Woodward) are open from 2:00 P.M. to 6:00 P.M. Sunday. All of the Recycling and Convenience Centers are open from 7:00 A.M. to 7:00 P.M. on Monday, Tuesday, Thursday, Friday and Saturday. All Recycling and Convenience Centers are closed on Wednesday. The locations of the Fairfield County Recycling and Convenience Centers are as follows:

1 – Adger Recycling and Convenience Center

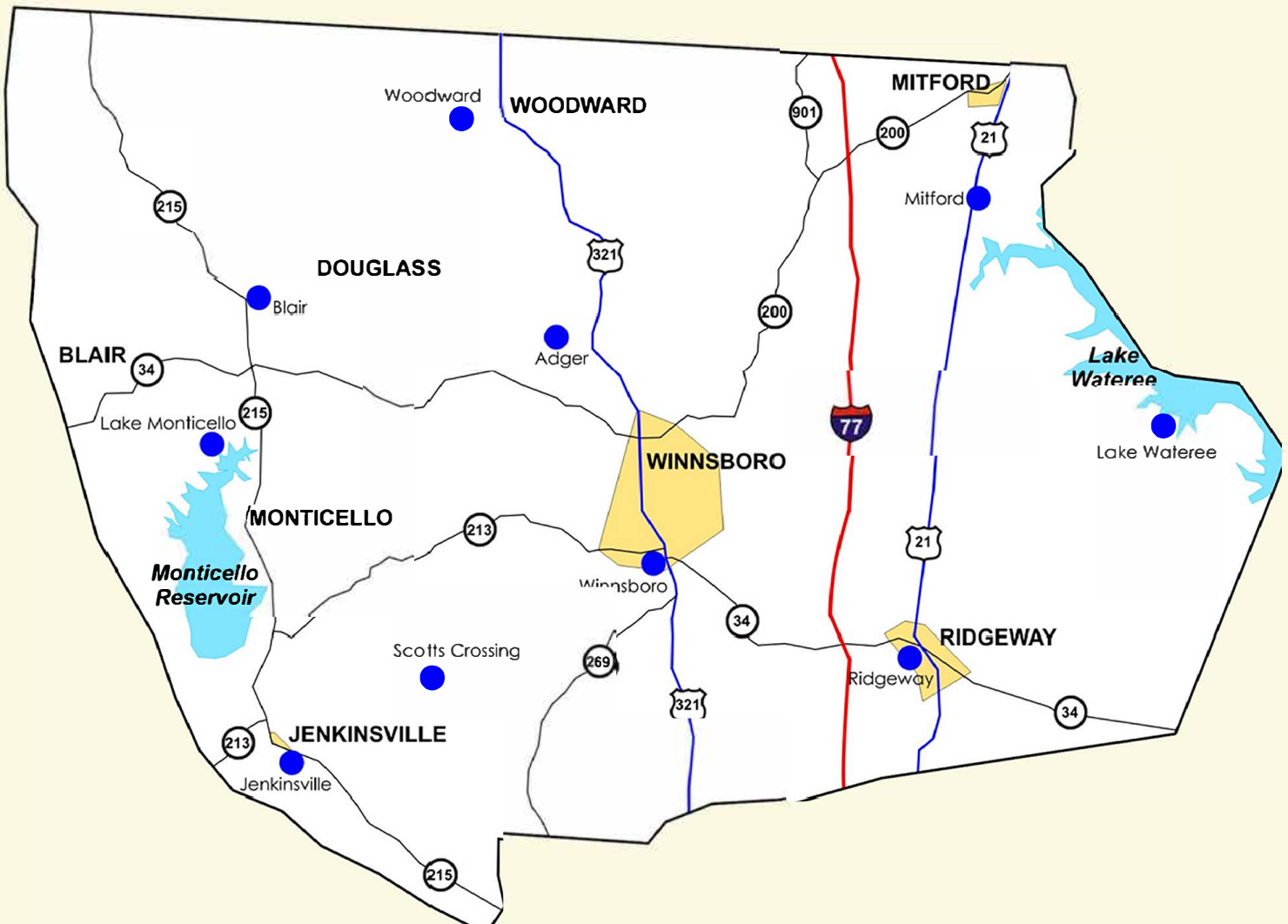
This facility is located at 5779 Old Airport Road, less than one (1)-mile west of the intersection of US Highway 321 and Old Airport Road (S-20-38), approximately seven hundred (700) feet east of the intersection of Old Airport Road and Royal Hills Lane (S-20-448) in Winnsboro, South Carolina.

FAIRFIELD COUNTY SOLID WASTE MANAGEMENT RECYCLING AND CONVENIENCE CENTERS



GRAPHIC SCALE IN MILES

ALLIANCE
CONSULTING ENGINEERS
PREPARED BY:
ALLIANCE CONSULTING ENGINEERS, INC.
FEBRUARY 9, 2012



LEGEND

Collection and Recycling Center ●

EXHIBIT A



2 – Blair Recycling and Convenience Center

The Blair Recycling and Convenience Center is located at 208 Ashford Ferry Road, just south of the intersection of Ashford Ferry Road (S-20-18) and Harden Road (S-20-204), less than one quarter ($\frac{1}{4}$)-mile north of the intersection of SC Highway 215 (Old Cherokee Road) and Ashford Ferry Road in Blair, South Carolina.

3 – Jenkinsville Recycling and Convenience Center

This facility is located at 145 Fire Tower Circle, less than one (1)-mile southeast of the intersection of SC Highway 215 (Monticello Road) and McKennin Road (S-20-358), just south of the intersection of Fire Tower Circle (S-20-275) and Penner Road in Jenkinsville, South Carolina. Access to the Jenkinsville Recycling and Convenience Center is from Penner Road.

4 – Lake Monticello Recycling and Convenience Center

The Lake Monticello Recycling and Convenience Center is located at 1443 Ladds Road (S-20-99), approximately one and one-half ($1\frac{1}{2}$)-miles southwest of the intersection of SC Highway 215 South (Old Cherokee Road) and Ladds Road (S-20-99), and less than one (1)-mile northeast of the intersection of Ladds Road (S-20-99) and Lollard Drive in Blair, South Carolina.

5 – Lake Wateree Recycling and Convenience Center

The Lake Wateree Recycling and Convenience Center is at 10646 River Road, less than one-quarter ($\frac{1}{4}$)-mile north of the intersection of River Road (S-20-101) and Old Windmill Road (S-20-151), just south of the intersection of River Road (S-20-101) and Rockbridge Road (S-20-291) in Ridgeway, South Carolina.



6 – Mitford Recycling and Convenience Center

This facility is located at 4719 Wateree Road, just south of the intersection of US Highway 21 North and Wateree Road (S-20-55), and approximately two (2)-miles southeast of the intersection of Wateree Road (S-20-55) and SC Highway 200 in Winnsboro, South Carolina.

7 – Ridgeway Recycling and Convenience Center

The Ridgeway Recycling and Convenience Center is located at 1966 US Highway 21 South, less than one-quarter ($\frac{1}{4}$)-mile south of the intersection of US Highway 21 South and Smallwood Road (S-20-46) in Ridgeway, South Carolina.

8 – Scotts Crossing Recycling and Convenience Center

The Scotts Crossing Recycling and Convenience Center is located at 1622 Scotts Crossing Road, just northeast of the intersection of Glenns Bridge Road (S-20-60) and Landis Road (S-20-48), approximately one and one-half ($1\frac{1}{2}$)-miles southwest of the intersection of Scotts Crossing Road and Jackson Creek Road (S-20-54) in Winnsboro, South Carolina.

9 – Winnsboro Recycling and Convenience Center

This facility is located at 1936 US Highway 321 South, less than one-half ($\frac{1}{2}$)-mile south of the intersection of US Highway 321 South and SC Highway 34, and one-quarter ($\frac{1}{4}$)-mile north of the intersection of US Highway 321 South and Industrial Park Road (S-20-34) in Winnsboro, South Carolina.

10 – Woodward Recycling and Convenience Center

The Woodward Recycling and Convenience Center is located at 1419 Lewis Store Road, just west of the intersection of Lewis Store Road (S-20-28) and North Spring Road (S-20-417), approximately one and one-half ($1\frac{1}{2}$)-miles



west of the intersection of US Highway 321 and Lewis Store Road (S-20-8) in Blackstock, South Carolina.

11 – Shelton Recycling and Convenience Center

The Shelton Recycling and Convenience Center is located at 257 Clayton Depot Road, approximately one (1)-mile southwest of the intersection of Shelton Road (S-20-33) and 99 Road (S-20-99).

The eleven (11) Fairfield County Solid Waste Recycling and Convenience Centers are for Fairfield County residential use only. Residents are required to have Fairfield County stickers on the windshield of their vehicles to be permitted access to these recycling and convenience centers. These stickers are obtained by submitting proof of residence such as tax map number, driver's license, or both to the Fairfield County Solid Waste and Recycling department. No business, commercial, or industrial companies are permitted to dispose of waste at these locations. The County does not utilize "greenbox sites."

2. Curbside Collection

No curbside collection recycling programs are currently ongoing within the County. Refer to Table 4 for contact information on each solid waste management system.

**Table 4 – Solid Waste System Contact Information**

<u>Fairfield County Public Works</u> 2067 US Highway 321 Bypass North P.O. Drawer 60 Winnsboro, SC 29180 Telephone: (803) 635-5209	<u>Sonoco, Inc.</u> 2000 South Beltline Boulevard Columbia, SC 29201-5110 Telephone: (803) 251-7889
<u>Town of Winnsboro</u> P.O. Box 209 Winnsboro, SC 29180 Telephone: (803) 635-4041	<u>OmniSource</u> 1148 Shop Road Columbia, SC 29201-4743 Telephone: (803) 799-9828
<u>Town of Ridgeway</u> 170 South Dogwood Avenue P.O. Box 24 Ridgeway, SC 29130 Telephone: (803) 337-2213	

C. SOLID WASTE TRANSFER STATIONS

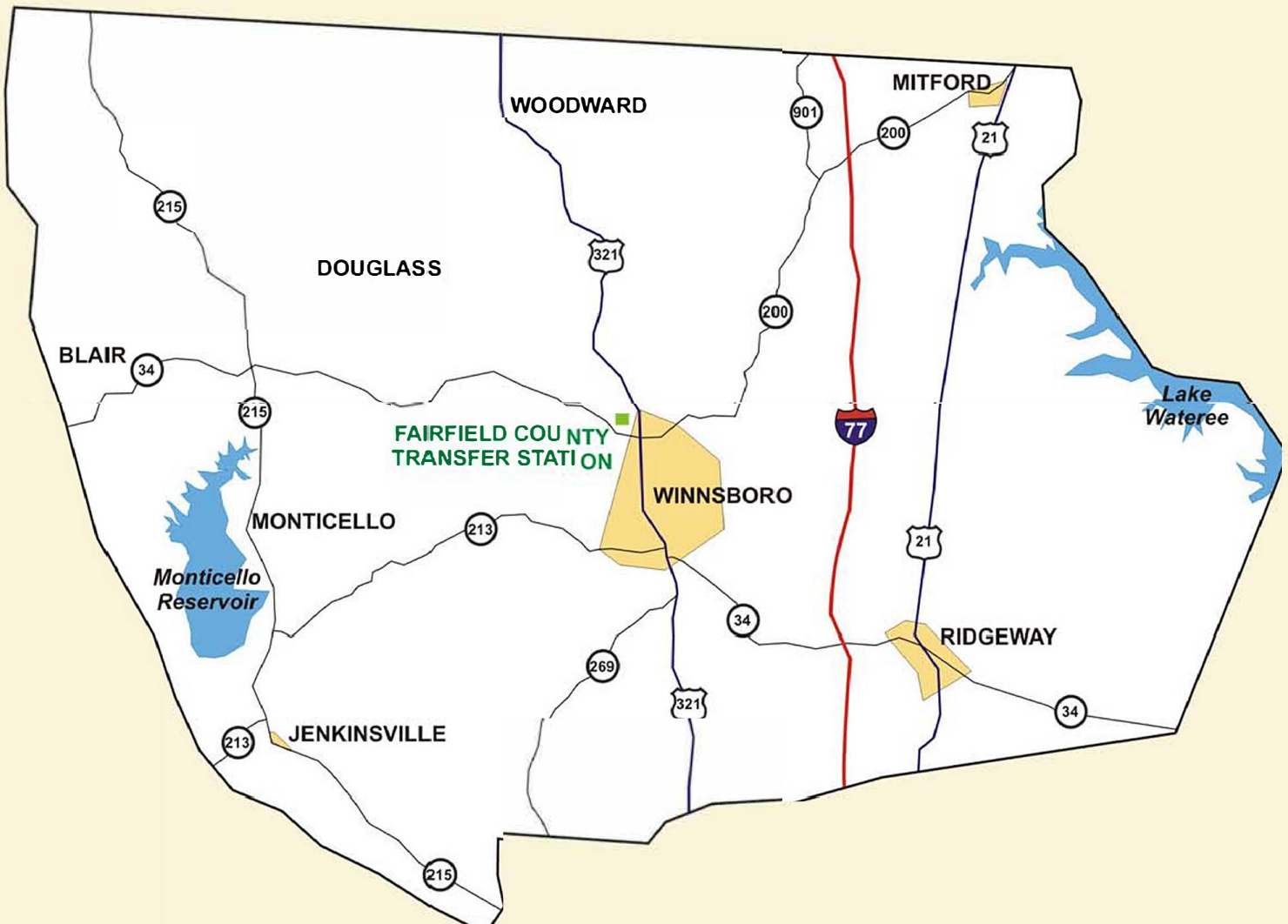
The Fairfield County Transfer Station is located just south of the intersection of US Highway 321 Bypass North and US Highway 321 Business, south of the City of Winnsboro (Exhibit B). MSW collected from the Fairfield County Recycling and Convenience Centers is transported to the Fairfield County Transfer Station (Facility ID No. 202401-6001) prior to being transported from the Transfer Station via tractor trailers to the Northeast Landfill (Facility ID No. 402434-1101) and the Richland Landfill (Facility ID No. 402401-1101) located in Richland County, South Carolina. Chambers Corporation operates the Transfer Station, and is under contract with Fairfield County that is automatically renewed on an annual basis unless a written notice of termination is submitted to Chambers Corporation prior to the end of each term. The current rate for MSW hauled from the Transfer Station is \$50.74 per ton.

FAIRFIELD COUNTY SOLID WASTE MANAGEMENT SOLID WASTE TRANSFER STATIONS



GRAPHIC SCALE IN MILES

ALLIANCE
CONSULTING ENGINEERS
PREPARED BY
ALLIANCE CONSULTING ENGINEERS, INC.
FEBRUARY 9, 2012



LEGEND

Transfer Station



EXHIBIT B



D. SOLID WASTE PROCESSING FACILITIES

Solid Waste Processing Facilities are a combination of structures, machinery, or devices utilized to reduce or alter the volume, chemical, or physical characteristics of solid waste through processes, such as baling or shredding, prior to delivery of such waste to a recycling or resource recovery facility or to a solid waste treatment, storage, or disposal facility and excludes collection vehicles. Solid Waste Processing Facilities are governed by SCDHEC Regulation *R 61-107.6: Solid Waste Management: Solid Waste Processing Facilities* which became effective June 23, 1995. There are currently no solid waste processing facilities located within Fairfield County.

E. CLASS ONE LANDFILLS

Class One Landfills are governed by SCDHEC Regulation *R 61-107.19 Solid Waste Management: Solid Waste Landfills and Structural Fill* which became effective May 23, 2008. This regulation establishes minimum standards for the site selection, design, operation, and closure of Class One Landfills. Waste suitable for disposal in Class One facilities consists solely of trees, stumps, wood chips, and yard trash that is generated from land-clearing activities, excluding agricultural and silvicultural operations when generation and disposal are on site. Facilities successfully fulfilling the requirements of a Class One Landfill will be covered under a Statewide General Permit. No Class One Landfills are permitted within Fairfield County. SCDHEC's 2010 Solid Waste Management Annual Report indicates that no Land Clearing Debris (LCD) and Yard Trash (YT) was disposed within Fairfield County during the 2010 fiscal year.

On October 24, 2003, Fairfield County entered into a Host Agreement with I-77 Properties for a Long Term Construction, Demolition and Land-Clearing Debris Landfill, located east of I-77 near the intersection of Boney Road (S-17-227) and Cedar Rock Road, for disposal capacity of C&D and LCD waste generated within Fairfield County. In addition to the proposed facility, Fairfield County has made suitable arrangements at an alternate facility for the disposal of C&D and LCD waste outside of the County. In the event the proposed facility is not constructed, no



additional disposal capacity for C&D and LCD waste will be required to satisfy the needs of Fairfield County until the 2027 calendar year.

F. CLASS TWO LANDFILLS

Class Two Landfills are also governed by SCDHEC Regulation *R 61-107.19*, which establishes minimum standards for the site selection, design, operation, and closure of Class Two Landfills. Waste acceptable for disposal in Class Two facilities includes wastes outlined in Appendix I of SCDHEC Regulation *R.61-107.19*. Wastes not listed in Appendix I that demonstrate similar properties to the wastes listed are approved on a case-by-case basis by SCDHEC. Fairfield County does not operate any Class Two Landfills at this time. The 2010 Solid Waste Management Annual Report indicates that eight hundred fifty-nine (859) tons of waste was disposed of in Class Two Landfills by Fairfield County.

As noted previously in Section V.E., Fairfield County entered into a Host Agreement with I-77 Properties for a Long Term Construction, Demolition and Land-Clearing Debris Landfill. In addition to the proposed facility, Fairfield County has made suitable arrangements at an alternate facility for the disposal of C&D and LCD waste outside of the County. In the event the proposed facility is not constructed, no additional disposal capacity for C&D and LCD waste will be required to satisfy the needs of Fairfield County until the 2027 calendar year.

G. CLASS THREE LANDFILLS

Class Three Landfills accept MSW, Industrial Solid Waste (ISW), sewage sludge, non-hazardous MSW, incinerator ash, and other non-hazardous waste. Class Three Landfills shall adhere to their approved Special Waste Analysis and Implementation Plan (SWAIP) pursuant to South Carolina Code Section 44-96-390. Part V of SCDHEC Regulation *R 61-107.19* applies to Class Three Landfills, which establishes the minimum criteria for construction and operation of a Class Three Landfill. Fairfield County does not operate any Class Three Landfills at this time. The 2010 Solid Waste Management Annual Report indicates that 20,935 tons of



MSW and one hundred twenty-one (121) tons of ISW were generated in Fairfield County.

H. MUNICIPAL SOLID WASTE INCINERATORS

MSW Incinerators are those publicly or privately owned facilities that receive household solid waste for the purpose of incineration. Such facilities may receive other wastes such as commercial and/or industrial wastes. MSW Incinerators are governed by SCDHEC Regulation *R 61-107.19*. There are currently no MSW Incinerators in Fairfield County.

I. WOOD CHIPPING/SHREDDING FACILITIES

Wood Chipping/Shredding Facilities are those facilities that accept LCD and YT for the purpose of producing compost and/or other beneficial vegetative goods (i.e., mulch, woodchips). SCDHEC Regulation *R 61-107.4 Solid Waste Management: Yard Trash and Land-Clearing Debris; and Compost*, which became effective April 23, 1993, was created to ensure the proper disposal and management of YT and LCD, and to encourage and regulate production and use of compost made from YT and LCD. Currently there is one (1) Wood Chipping/Shredding facility operating within Fairfield County (Exhibit C).

Fairfield County Wood Chipping Facility

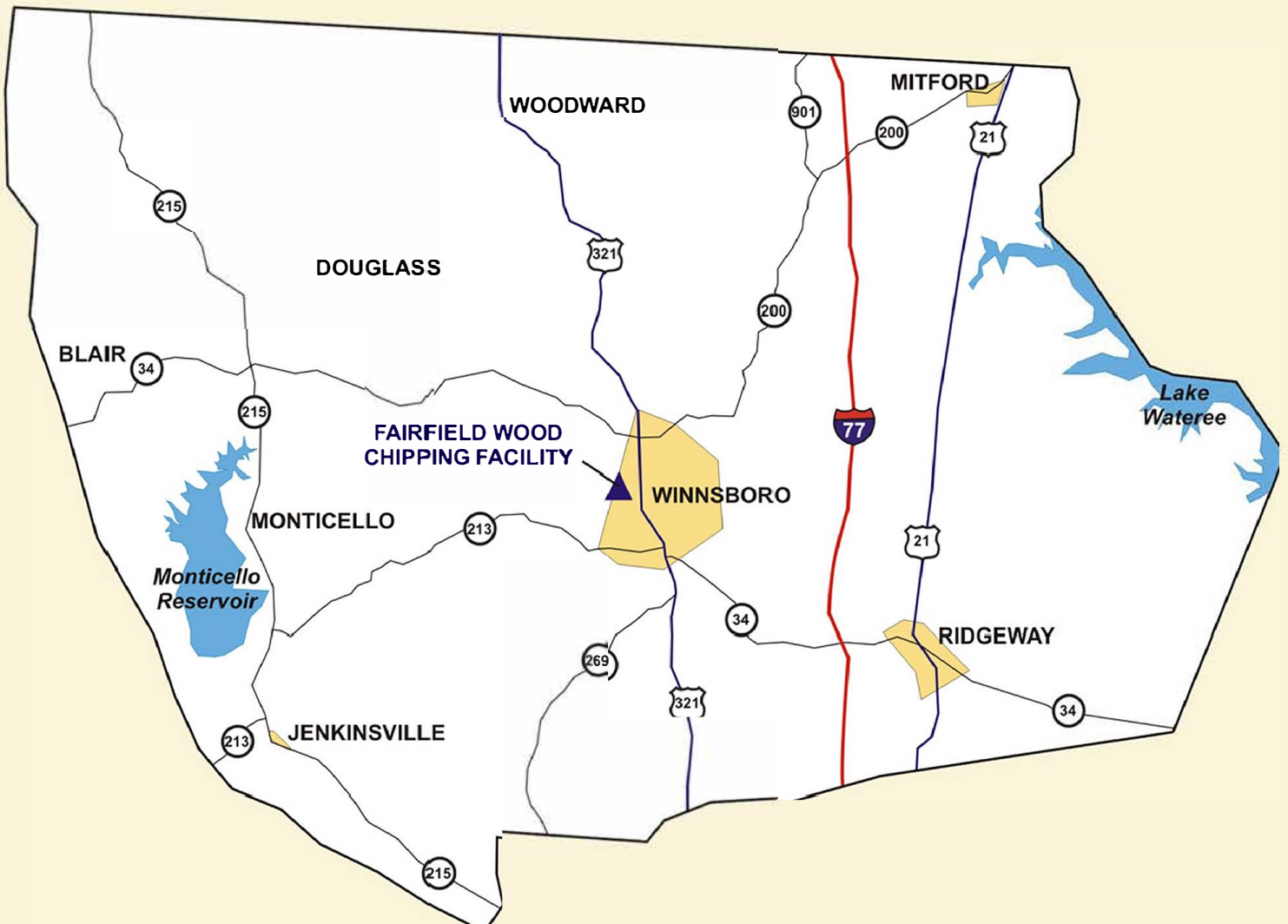
Fairfield County operates a Wood Chipping facility located at 5679 Old Airport Road. The Fairfield County Wood Chipping facility opened for operation during the 2012 calendar year. This is the only Wood Chipping/Shredding facility operating within Fairfield County. For more information on the facility, contact:

<u>Contact:</u>	Mr. Jake Gaston
Address:	2067 US Highway 321 Bypass North Winnsboro, South Carolina 29180
Telephone:	(803) 635-2740

FAIRFIELD COUNTY SOLID WASTE MANAGEMENT WOOD CHIPPING/SHREDDING FACILITIES



GRAPHIC SCALE IN MILES



LEGEND

Proposed Wood Grinding
Facility



EXHIBIT C

**J. USED OIL COLLECTION & PROCESSING FACILITIES**

Used Oil is collected at the Recycling and Convenience Centers located throughout Fairfield County. The oil collected at the Recycling and Convenience Centers is held in approved containers provided by Santee Cooper. Fairfield County personnel notify Santee Cooper when the containers are ready for transport to a processing facility outside of the County. The County also provides for collection of used oil filters and bottles at the Recycling and Convenience Centers. The used oil filters and bottles are transported to the Lexington County Edmund Landfill for recycling. No used oil processing facilities are currently located within the County.

K. WASTE TIRE FACILITY PERMITS

SCDHEC Regulation *R 61-107.3 Solid Waste Management: Waste Tires* became effective on April 23, 1993, and outlines the requirements of facilities that handle waste tires, including waste tire haulers, collectors, processors and disposers. One (1) Waste Tire collection facility, located at 2067 US Highway 321 Bypass North, currently operates within Fairfield County.

L. RESEARCH, DEVELOPMENT, & DEMONSTRATION (RD&D) PERMITS

Research, Development and Demonstration (RD&D) permits are issued for innovative, experimental solid waste management technologies and processes. Requirements for these facilities are outlined in SCDHEC Regulation *R 61-107.10 Solid Waste Management: Research, Development, and Demonstration Permit Criteria* which became effective June 25, 1993. No RD&D permits have been issued by SCDHEC for solid waste facilities within Fairfield County.

M. LAND APPLICATION OF SOLID WASTE PERMITS

Permits for the land application of solid waste establishes application rates, frequency of application, and monitoring of requirements for the uniform surface spreading or mechanical incorporation of non-hazardous wastes onto or into soil that is being used for agricultural, silvicultural, and horticultural production as outlined in SCDHEC Regulation *R 61-107.15 Solid Waste Management: Land Application of*



Solid Waste which became effective July 26, 1996. The land application of solid waste is a way to recycle South Carolina's resources, and is not a means of disposal. This does not include the land application of solid or dissolved material in domestic sewage, industrial sludge, or water treatment sludge. No permits or the land application of solid waste have been issued by SCDHEC for facilities located within Fairfield County.

N. RECYCLING PROGRAMS

Recycling is a key component of Fairfield County's Solid Waste Management System. The County expects to continue reducing the volume of solid waste that would otherwise be landfilled. The County is committed to meeting the goals established in the Act, as amended. According to the 2010 Solid Waste Management Annual Report, the County achieved a recycling rate of at 8.9% of the MSW stream within the County by June 30, 2010, failing to meet the goal of thirty-five percent (35%) set by SCDHEC. The County will continue its efforts to meet this recycling goal moving forward.

To meet the goal set by SCDHEC, the County will require continued investment to improve recycling collection facilities, expanding the types of materials accepted for recycling as new markets develop, greater residential commitment to utilizing the recycling opportunities offered by the County and its municipalities, encouraging private waste haulers to incorporate recycling into their collection services, and expanding education efforts.

It is the goal of the County recycling program to have all segments of the community committed to, and actively participating in, recycling efforts. This includes not only private citizens, but also government offices, schools, commercial businesses, industries, private haulers, and community organizations.



The County's Recycling and Convenience Centers are the backbone of the County's recycling collection system. Each of the Solid Waste Collection Stations has specially marked bins and containers to accept recyclables. The types of materials collected by the County for recycling are driven by market forces. The County is only able to collect those materials for which recycling markets currently exist. Fairfield County utilized various recycling brokers depending on price and preparation restrictions. Under current market conditions, the County is able to successfully collect and arrange for recycling of the following materials:

Aluminum & Steel Cans

Aluminum and steel cans are collected at all Recycling and Convenience Centers. County personnel transport these materials directly to SONOCO, Inc. for recycling at the facility located at 2000 South Beltline Boulevard in Columbia, South Carolina.

Plastics #1 through #7

Plastics denoted with a #1, #2, #3, #4, #5, #6, or #7 symbol are collected at all the Recycling and Convenience Centers. County personnel transport these materials directly to the SONOCO, Inc. facility located in Columbia, South Carolina for recycling.

Glass – Brown, Green, & Clear

In January 2012 Fairfield County began accepting brown, green, and clear glass bottles and jars at all Recycling and Convenience Centers. Collected materials are transported to the SONOCO, Inc. facility in Columbia, South Carolina by County personnel for recycling.

Mixed Paper

Newspapers, Mail Order Catalogs, Magazines, and Office Paper are collected at all of the Recycling and Convenience Centers prior to being transported to the bailer site by County personnel located off of Old Airport



Road (S-20-38). Once bailed, the paper is transported to SONOCO, Inc. for recycling.

Cardboard

Cardboard is collected at most of the Recycling and Convenience Centers in trailers provided by the County. Cardboard collected at the Recycling and Collection Centers is transported to the bailer site prior to being transported by SONOCO personnel to SONOCO, Inc.

Used Oil

Used oil is collected at all Recycling and Convenience Centers in special tanks that are serviced by Santee Cooper's Give Oil for Energy Recovery (GOFER) Program. Santee Cooper empties the tanks on an as-needed basis as determined by County personnel.

Used Oil Bottles & Filters

Used oil bottles and used oil filters are also accepted at the Fairfield County Recycling and Convenience Centers, and transported to the Edmund Solid Waste Management Facility in Lexington County by Fairfield County personnel. The bottles are drained and taken to SONOCO, Inc. for recycling. The used oil filters are crushed and compacted into cubes by Lexington County personnel prior to being collected by Commercial Metal Corporation of Lexington, South Carolina for recycling.

White Goods

White goods are collected at the Fairfield County Recycling and Convenience Centers. County personnel transport the white goods to a scrap metal site located off of Old Airport Road (S-20-38). The white goods are transported by OmniSource personnel to the OmniSource Southeast facility, located at 1148 Shop Road in Columbia, South Carolina., on an as-needed basis as determined by County personnel for recycling.



Batteries

Fairfield County recycles all batteries that are collected at the County Recycling and Convenience Centers. Batteries are transported by County personnel to a secured area near the Fairfield County Public Works office prior to recycling. Once sufficient quantities are accumulated, Fairfield County personnel haul the batteries to Debrick Batteries in Newberry, South Carolina for recycling.

Scrap Metal

Scrap metal is collected at the Fairfield County Recycling and Convenience Centers. Scrap metal is then transported to a scrap metal site located off of Old Airport Road (S-20-38). OmniSource personnel transport the scrap metal to the OmniSource Southeast facility for recycling on an as-needed basis as determined by County personnel.

Waste Tires

Waste tires are collected at the Fairfield County Transfer Station, located near the Fairfield County Public Works office. The waste tires are transported to the Public Works Office – Waste Tire facility by County personnel for recycling. Once sufficient quantities are accumulated, Ridge Recyclers hauls the waste tires from the Waste Tire facility for recycling.

Yard and Land-Clearing Debris

Yard and Land-Clearing Debris is collected at the recycling centers and transported to the Fairfield County Wood Grinding facility. The stockpiled wood at the Fairfield County Wood Grinding facility will be ground on an as-needed basis as determined by County personnel. A public bid for the contract to grind the stockpiled wood will be issued by Fairfield County once a determination to grind the material has been made. Wood chips generated from



grinding operations are stockpiled at the Wood Grinding facility for use by Fairfield County residents at no charge.

O. SPECIAL WASTES & SPECIFIC WASTES

Special Waste is defined as nonresidential or commercial solid waste, other than regulated hazardous wastes, that is either difficult or dangerous to handle and requires unusual management at municipal solid waste landfill facilities. Special wastes include, but are not limited to, liquid waste, sludge, industrial process wastes, and waste from pollution control processes, residue from chemical cleanup, contaminated solids from chemical cleanups, containers and drums, and animal carcasses.

Fairfield County does not accept any type of special waste at its Recycling and Convenience Centers, or at the Fairfield County Transfer Station. Any special waste generated within the County is the responsibility of the party producing the waste. Specific Wastes are defined as solid waste that requires separate management provisions for proper handling, i.e., plastics, waste oil, waste tires, lead acid batteries, yard debris, and white goods. These materials are handled in a manner consistent with the preceding sections of this Plan.

P. HOUSEHOLD HAZARDOUS MATERIALS (HHM)

Household Hazardous Materials (HHM) are products commonly used around the home, usually present in small amounts, that can be harmful to the health of individuals and the environment if improperly disposed. Examples of HHMs include paints, pesticides, cleaning supplies, and batteries. By law, these materials are considered elements of the municipal solid waste stream; yet require special disposal to avoid potentially harmful effects to human health and environmental well-being.



Q. IMPORT & EXPORT OF WASTE

Fairfield County does not accept waste generated outside of the County at any of its County owned and operated solid waste facilities except for MSW at the Fairfield Transfer Station. Private entities can accept waste generated outside the County for disposal in a permitted facility. Fairfield County currently exports MSW to the Northeast Landfill, LLC and the Richland Landfill in Richland County, South Carolina.



VI. FUTURE SOLID WASTE MANAGEMENT FACILITIES

This section of the Fairfield County Solid Waste Management Plan outlines the County's vision for the development of new and replacement solid waste management facilities in Fairfield County. Prior to the permitting and/or development of a new or replacement facility, SCDHEC will make a determination of consistency regarding this Plan. Future Solid Waste Management Facilities should be conceived in an effort to improve the lives of Fairfield County residents.

A. WASTE STREAM PROJECTIONS

SCDHEC requires each South Carolina County to provide annual information about the disposal rates within the County. Prior to October 1st of every year, Fairfield County personnel prepare an annual report for submittal to SCDHEC containing the waste stream projections for LCD, C&D, and MSW solid wastes.

Land-Clearing Debris (LCD) Class One Waste

No LCD was disposed of within Fairfield County between July 1, 2009 and June 30, 2010 according to the 2010 Solid Waste Management Annual Report. LCD debris may have also been transported to an out-of-county Class One Landfill by private haulers, and therefore, since the County does not regulate this amount of waste, it is difficult to obtain accurate quantification of the LCD debris generated within the County.

Class Two C&D Waste

Approximately 859 tons of C&D debris was disposed of in Fairfield County between July 1, 2009 and June 30, 2010 according to the 2010 Solid Waste Management Annual Report. C&D debris may have also been transported to an out-of-county Class Two Landfill by private haulers, and therefore, since the County does not regulate this amount of waste, it is difficult to obtain accurate quantification of the C&D debris generated within the



County. Fairfield County disposes of C&D and LCD waste at the Loveless & Loveless Screaming Eagle Road Class One Landfill, which has a permitted annual disposal rate of 30,000 tons per year.

A per capita C&D waste generation rate of 0.196 pounds per day was calculated based on the County's 2010 estimated population of 23,956 and the waste stream numbers published in the 2010 Solid Waste Management Annual Report. Table 5 illustrates the C&D debris projections for the County of the next twenty (20) years based on a constant generation rate and an increasing population.

Table 5 – Fairfield County Construction and Demolition Debris Projections			
Year	Population	Per Capita Generation Rate	Annual C&D (tons)
2010	23,956	0.196	859
2011	24,082	0.196	864
2012	24,209	0.196	868
2013	24,337	0.196	873
2014	24,465	0.196	877
2015	24,594	0.196	882
2016	24,723	0.196	887
2017	24,853	0.196	891
2018	24,984	0.196	896
2019	25,116	0.196	901
2020	25,248	0.196	905
2021	25,381	0.196	910
2022	25,515	0.196	915
2023	25,649	0.196	920
2024	25,784	0.196	925
2025	25,920	0.196	929



2026	26,057	0.196	934
2027	26,194	0.196	939
2028	26,332	0.196	944
2029	26,471	0.196	949
2030	26,610	0.196	954

Class Three MSW Waste

Approximately 20,935 tons of “defined” MSW was exported for disposal from the County from July 1, 2009 to June 30, 2010 according to the 2010 Solid Waste Management Annual Report. This tonnage does not reflect that amount of MSW generated within the County, and transported to another disposal facility directly by any private collection company. Currently, the County does not regulate the amount of waste and disposal locations of waste collected by private companies. Many commercial and industrial establishments have individual contracts with these private waste collection companies. The tonnage of waste transported by these companies is not available for inclusion in the County’s totals.

A per capita waste generation rate of 5.1 pounds was calculated based upon the 2010 county population of 23,760 and the total MSW generated in the County. To continue to decrease its waste generation, Fairfield County will continue its best efforts with source reduction and recycling. Table 7 illustrates the MSW projections for the County during the next twenty (20) years based on a constant generation rate and the increasing population of Fairfield County.

Table 6 – Fairfield County Municipal Solid Waste Projections			
Year	Population	Per Capita Generation Rate	Annual MSW (tons)
2010	23,760	5.1	21,889
2011	23,902	5.1	22,020



2012	24,044	5.1	22,151
2013	24,186	5.1	22,281
2014	24,328	5.1	22,412
2015	24,470	5.1	22,543
2016	24,614	5.1	22,676
2017	24,758	5.1	22,808
2018	24,902	5.1	22,941
2019	24,046	5.1	23,074
2020	25,190	5.1	23,206
2021	25,336	5.1	23,341
2022	25,482	5.1	23,475
2023	25,628	5.1	23,610
2024	25,774	5.1	23,744
2025	25,920	5.1	23,879
2026	26,085	5.1	24,031
2027	26,196	5.1	24,133
2028	26,334	5.1	24,260
2029	26,472	5.1	24,387
2030	26,610	5.1	24,515

According to the 2010 South Carolina Solid Waste Annual Report, Fairfield County exported a total of 21,214 tons of MSW to nearby landfills. Table 8 shows the MSW in tons that is projected to be generated within Fairfield County, and will need to be disposed of once the out-of-county landfills, which the County currently exports MSW to, reach their estimated capacities. The Northeast Landfill, LLC has an estimated remaining life of approximately 10.7 years based on the current disposal rates and the Richland Landfill, Inc. is estimated to have approximately 34.4 years or remaining life if current disposal rates continue.

**Table 7 – Class Three Landfill Municipal Solid Waste Projections**

Year	Northeast Landfill, LLC	Richland Landfill, Inc.	Total
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0
2014	0	0	0
2015	0	0	0
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
2021	7,002	0	7,002
2022	23,475	0	23,475
2023	23,610	0	23,610
2024	23,744	0	23,744
2025	23,879	0	23,879
2026	24,031	0	24,031
2027	24,133	0	24,133
2028	24,260	0	24,260
2029	24,387	0	24,387
2030	24,515	0	24,515

B. FUTURE WASTE MANAGEMENT FACILITIES

All solid waste facilities and equipment are planned, designed, and operated as an integral function of the Fairfield County Solid Waste Management Plan. All facilities and equipment must be selected to ensure that maximum efficiency for operation, proper location for use by county residents, transportation cost, and public



safety. The County will strive to make purchases as economical as possible without compromising the integrity of a safe and sound solid waste management system for its residents. Any proposed solid waste management facility, either public or private, must be designed and constructed in accordance with the goals and objectives set forth in the South Carolina Solid Waste Management Plan and the Fairfield County Solid Waste Management Plan.

Future solid waste management facilities include new, replacement and expansion facilities. All facilities must not only meet regulatory requirements as set forth by SCDHEC Solid Waste Management Regulation *R 61-107*, but also be conceived in an effort to provide economical and effective disposal of solid waste for Fairfield County residents. To accomplish these goals, Fairfield County will only allow the siting of a new, replacement, or expansion facility in accordance with the Plan. It is the preference of Fairfield County that expansion facilities be the prime method of increasing solid waste capacities within the County. New, replacement or expansion facilities located on a site currently used for solid waste disposal would be favored rather than facilities located in an alternative area of the County. However, Fairfield County seeks to provide safe and reliable solid waste management service to all residents in the County. Should a particular area of the County, not currently being served by existing facilities, be targeted for the placement of a new or replacement solid waste management facility, Fairfield County will, in conjunction with the determination of consistency by SCDHEC, determine if the facility meets the goals and or disposal needs of the County. Private entities pursuing a permit from SCDHEC are encouraged to establish communication with Fairfield County's Solid Waste Management Department prior to submitting an application to SCDHEC. By including Fairfield County in the planning and development of a new or replacement facility, conflicts of interest can be alleviated or perhaps even avoided.



C. SOLID WASTE TRANSFER STATIONS

Waste Management currently owns a solid waste transfer station for the transfer of MSW from Fairfield County to the Northeast Landfill and the Richland Landfill located in Richland County. The transfer station (SCDHEC Facility ID No. 202401-6001) is operated by Chambers Corporation. Fairfield County does not anticipate the development of any additional solid waste transfer stations at this time. Further, this solid waste disposal activity has a unique characteristic that requires a thorough review prior to specific site approval and requires careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement transfer stations.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity, Council will establish application and review procedures that will contain the following minimum requirements:

- The application for the activity will appear on Council agendas at least three (3) times. The first time will be for the purpose of an early notification to the public of the existence of the application and will include the time, date, and location of the public hearing. The second time will be the public hearing, and the third will be for the purpose of voting on the application.
- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are



not addressed in a satisfactory manner, the proposed activity will not be approved for that location.

D. SOLID WASTE PROCESSING FACILITIES

Since Fairfield County has a contract with Chambers Corporation to transport its MSW from the Fairfield County Transfer Station to the Northeast Landfill and Richland Landfill in Richland County, the County does not anticipate the development of any solid waste processing facilities at this time. Further, this solid waste disposal activity has unique characteristics that require a thorough review prior to specific site approval and requires careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement facilities.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

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- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.



If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.

E. CLASS ONE LANDFILLS

Fairfield County does not anticipate the development of any Class One Landfills as defined in SCDHEC Regulation *R. 61.107.19*. Class One solid waste disposal activities have unique characteristics that require a thorough review prior to specific site approval and require careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement landfills.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

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- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.



If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.

F. CLASS TWO LANDFILLS

These solid waste disposal activities have unique characteristics that require a thorough review prior to specific site approval and require careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement landfills. This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

- The application for the activity will appear on Council agendas at least three (3) times. The first time will be for the purpose of an early notification to the public of the existence of the application and will include the time, date, and location of the public hearing. The second time will be the public hearing, and the third will be for the purpose of voting on the application.
- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.



Fairfield County believes that the County is sufficiently serviced by commercial Class Two Landfills, as defined by SCDHEC Regulation *R. 61-107.19*. In 2000, SCDHEC implemented Regulation *R. 61-107.17 Solid Waste Management: Demonstration-of-Need* to minimize the number of new Class Two C&D Landfills in the State. However, in order to ensure that the County has adequate future C&D Landfill capacity, Fairfield County entered into a Host Agreement with I-77 Properties for a Long Term Construction, Demolition and Land-Clearing Debris Landfill. In addition to the proposed facility, Fairfield County has made suitable arrangements at an alternate facility for the disposal of C&D and LCD waste outside of the County. In the event the proposed facility is not construction, no additional disposal capacity for C&D and LCD waste will be required to satisfy the needs of Fairfield County until the 2027 calendar year.

G. CLASS THREE LANDFILLS

Fairfield County has a contract with Chambers Corporation for the disposal of its MSW at the Northeast Landfill and the Richland Landfill, and does not anticipate the development of any Class Three Landfills at this time. Any new MSW landfills developed in the future will be subject to SCDHEC Regulation *R. 61-107-17*.

Further, this solid waste disposal activity has unique characteristics that require a thorough review prior to specific site approval and requires careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement landfills.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:



- The application for the activity will appear on Council agendas at least three (3) times. The first time will be for the purpose of an early notification to the public of the existence of the application and will include the time, date, and location of the public hearing. The second time will be the public hearing, and the third will be for the purpose of voting on the application.
- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.

H. MUNICIPAL SOLID WASTE INCINERATORS

Fairfield County does not anticipate the development of a MSW incinerator, and does not have any plans to design, permit, or construct one within the County. Further, this solid waste disposal activity has unique characteristics that require a thorough review prior to specific site approval and requires careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement incinerators.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:



- The application for the activity will appear on Council agendas at least three (3) times. The first time will be for the purpose of an early notification to the public of the existence of the application and will include the time, date, and location of the public hearing. The second time will be the public hearing, and the third will be for the purpose of voting on the application.
- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.

I. RECYCLING AND PROCESSING ACTIVITIES

Fairfield County anticipates the expansion of the Winnsboro Recycling and Convenience Center to be completed within the 2012 calendar year. This facility upgrade will include an expansion that will encompass approximately four (4)-acres, reconfiguration of the existing site to ensure better traffic flow, and the construction of a stormwater detention basin. This project was in the design phase at the time the 2012 Fairfield County Solid Waste Management Plan Update was being completed.

Fairfield County encourages the development of recycling facilities and processing activities such as composting, wood chipping, shredding, grinding, and crushing, to reduce the amount of waste disposed in landfills. However, these solid waste activities have unique characteristics that require a thorough review prior to specific site approval and require careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement facilities.



This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

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- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.

J. USED OIL COLLECTION AND/OR PROCESSING FACILITIES

As stated in Section IV. Existing Solid Waste Management, Fairfield County utilizes ten (10) Recycling and Convenience Centers for the collection of used oil from residential citizens. Based upon population projections and concentrations, Fairfield County does not foresee the need for additional used oil collection sites at this time.

Further, this solid waste activity has unique characteristics that require a thorough review prior to specific site approval and requires careful on-going



oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement facilities.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

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If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.

K. WASTE TIRE COLLECTION, PROCESSING, AND DISPOSAL FACILITIES

Fairfield County does not anticipate the development of any waste tire processing facilities and/or disposal facilities at this time. The County currently collects waste tires at the Recycling and Convenience Centers. County personnel transport tires collected to the Lexington County Edmund Landfill for recycling.



Further, this solid waste activity has unique characteristics that require a thorough review prior to specific site approval and requires careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement facilities.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

- The application for the activity will appear on Council agendas at least three (3) times. The first time will be for the purpose of an early notification to the public of the existence of the application and will include the time, date, and location of the public hearing. The second time will be the public hearing, and the third will be for the purpose of voting on the application.
- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.

L. RESEARCH, DEVELOPMENT AND DEMONSTRATION (RD&D) PERMITS

Fairfield County does not plan on pursuing any RD&D permits at this time. However, if new technologies and grant money becomes available in the future,



Fairfield County will evaluate the possibility of obtaining a RD&D Permit. Further, this solid waste activity has unique characteristics that require a thorough review prior to specific site approval and requires careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement facilities.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

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- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.



M. LAND APPLICATION OF SOLID WASTE PERMITS

Fairfield County does not plan on pursuing any land application of solid waste permits at this time. Further, this solid waste activity has unique characteristics that require a thorough review prior to specific site approval and requires careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement facilities.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

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- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.



N. RECYCLING PROGRAMS

Fairfield County plans to continue with its existing recycling programs through the use of its ten (10) Recycling and Convenience Centers. As recycling technology and commodity markets become more advanced, Fairfield County will evaluate further recycling opportunities. Fairfield County will continue to educate its residents on the importance of recycling. Further, this solid waste activity has unique characteristics that require a thorough review prior to specific site approval and requires careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement facilities.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

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- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.



O. SPECIAL WASTES AND SPECIFIC WASTES

Fairfield County will continue to handle special wastes and specific wastes in accordance with its existing procedures. Further, this solid waste activity has unique characteristics that require a thorough review prior to specific site approval and requires careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement facilities.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

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- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.



P. HOUSEHOLD HAZARDOUS MATERIALS (HHM)

Fairfield County does not plan on implementing a HHM program at this time. Further, this solid waste activity has unique characteristics that require a thorough review prior to specific site approval and requires careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement facilities.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

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If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.

**Q. IMPORT AND EXPORT OF WASTE**

Fairfield County will continue to export its MSW to the Northeast Landfill and Richland Landfill located in Richland County. Further, this solid waste activity has unique characteristics that require a thorough review prior to specific site approval and requires careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement facilities.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

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- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.

**R. SOLID WASTE FACILITIES NOT SPECIFICALLY COVERED IN THE PLAN**

Solid waste disposal activities have unique characteristics that require a thorough review prior to specific site approval and require careful on-going oversight of the day-to-day operations. This includes new, expansions, transfer(s) of ownership, or replacement facilities.

This activity must first be reviewed as to its ability to meet the regulations contained in the Fairfield County Zoning Ordinance. A report of that review must then be forwarded to the Fairfield County Council as a part of their determination as to the suitability of the proposed location for the activity. As a part of their analysis of the proposed activity Council will establish application and review procedures that will contain the following minimum requirements:

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- At least fourteen (14) days prior to the public hearing, notice shall be given in a newspaper of general circulation in Fairfield County.
- The application will include a fee sufficient to cover the cost of the public hearing advertisement.

If there are aspects of the activity and its proposed location that are of concern to the Council, those concerns will be forwarded to the applicant. If they are not addressed in a satisfactory manner, the proposed activity will not be approved for that location.



VII. GOALS, POLICIES, STRATEGIES, & BARRIERS

Fairfield County strives to provide a safe, beautiful, and environmentally friendly atmosphere for its citizens. Fairfield County views solid waste management as a necessary public service to promote development similarly to potable water, reliable wastewater service, and electrical power. By setting goals, creating policies, developing strategies and identifying barriers, Fairfield County will successfully provide the level of service its citizens deserve. To increase the awareness of solid waste issues in the community, the County has identified characteristics of a successful program. An effective solid waste management system addresses reduction, recycling, educational programs, available grant information, and dedicated, knowledgeable staff willing to communicate the County's expectations for solid waste management.

A. REDUCTION GOALS

In June 2000, the solid waste management goals outlined in the Act were revised as follows: "It is the goal of this State to reduce, on a statewide per capita basis, the amount of municipal solid waste being generated to 3.5 pounds per day not later than June 30, 2005". In addition, the following definition was amended stating "municipal solid waste includes, but is not limited to, wastes that are durable goods, not-durable goods, containers and packaging, food scraps, yard trimmings, and miscellaneous inorganic wastes from residential, commercial, institutional, and industrial sources including, but not limited to, appliances, automobile tires, old newspapers, clothing, disposable tableware, office and classroom paper, wood pallets, and cafeteria wastes. MSW does not include solid wastes from other sources including, but not limited to, construction and demolition debris, auto bodies, municipal sludge, combustion ash, and industrial process waste that also might be disposed of in municipal waste landfills or incinerators".

In order for the County to meet the 3.5 pounds per day per capita waste generation reduction goal, the amount of waste generated within the County must be reduced by its citizens, businesses, and organizations. Speaking engagements, tours



of solid waste management facilities, newspaper articles, displays, and conferences are some of the methods of source reduction that Fairfield County will consider. Continued education efforts in this area will increase the rate of reduction of items disposed in landfills. The public must become better informed of the benefits of source reduction and the various ways in which residents can help in this endeavor. By separating out a greater percentage of recyclable aluminum, glass, paper, cardboard, and plastic, the County's waste stream can be further reduced. In addition, the County's waste stream could be greatly reduced through the development of an extensive composting program. County residents must become aware of alternative methods of disposal such as reusing and repairing old items such as lawnmowers, tools, etc., as well as donating items such as clothing, mattresses, furniture, etc. to local charitable organizations. The County's source reduction education will also focus on utilizing and buying recycled products.

B. RECYCLING GOALS

In June 2000, the solid waste management goals outlined in the Act were revised as follows: "It is the goal of this State to recycle, on a statewide basis, at least thirty-five percent (35%), calculated by weight, of the municipal solid waste stream generated in this State no later than June 30, 2005".

The County currently has in place a voluntary countywide residential recycling program utilizing a system of solid waste Recycling and Convenience Centers within the County. To meet the thirty-five percent (35%) recycling goal established in this Act, more residents would have to choose to separate recyclables from their trash. Toward this end, private trash haulers have a key role to play since many persons already paying for trash collection may not be willing to drive separately to the Recycling and Convenience Centers to dispose of recyclable materials.



In order to achieve the thirty-five percent (35%) recycling goal established in the Act, more County businesses must also elect to recycle. The County intends to work with the business community to help them understand how recycling can save them money and to help them identify their recycling possibilities. The County is in the process of considering whether to provide access to Solid Waste Recycling and Convenience Centers for the business community to dispose of recyclables.

C. POLICIES

Fairfield County abides by the rules and regulations set forth by SCDHEC and the State of South Carolina in terms of solid waste management. All proposed solid waste facilities located within the County must abide by SCDHEC and State regulations protecting the health and safety of Fairfield County citizens.

D. STRATEGIES

Fairfield County incorporates numerous strategies to help conserve natural resources, save energy, and reduce the need to build landfills and incinerators. These strategies include educational programs to promote recycling, litter prevention, and waste reduction, applying for government grants promoting reduction and recycling, and providing access to solid waste and recycling personnel.

1. Educational Programs

Fairfield County Solid Management Department Staff along with community members and civic group members attend meetings to address solid waste and recycling issues within the individual communities and the County. At the Recycling and Convenience Centers, brochures and guidelines on recycling, reduction, reuse and other solid waste issues are distributed. The Fairfield County Solid Waste Management Department sponsors a poster contest in local grade schools, and the winning poster is transferred to a billboard to assist in educating the community.



2. Grants

Fairfield County is awarded an annual Solid Waste State Tire Fund, which was for approximately \$25,000. According to the 2010 Solid Waste Management Annual Report, Fairfield County was also awarded a \$15,713 grant fund for the collection of 6,278 gallons of used motor oil. The County will continue pursuing solid waste assistance grants from SCDHEC in an effort to improve the recycling programs throughout the County.

3. Technical Assistance

Contacts for information concerning Solid Waste Management, Recycling, and Source Reduction are as follows:

Mr. Philip L. Hinely, County Administrator
Post Office Drawer 60
Winnsboro, South Carolina 29180
Telephone: (803) 712-6502
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E. BARRIERS

The County realizes that there are many barriers restricting recycling, and are attempting to alleviate these barriers and continue to promote recycling within the County. The following barriers are faced by both the public and private sectors in Fairfield County, making increasing the recycling rate within the County difficult:

- **Lack of Funding** – Lack of funding from local, state, and federal sources may lead to fewer improvements to existing infrastructure as well as the possibility of cutting recycling services. To combat this, the County must



apply for grants, as available, and consider these expenditures when deciding the budget.

- **Lack of Markets** – The lack of markets for certain recyclables means low prices for these materials resulting in these types of recyclables being dropped from many recycling services. The County will continue to observe and investigate future markets for recyclables and implement the collection of these materials when the market indicates.
- **Lack of Awareness** – Despite all that has been done to promote recycling, a large percentage of the population does not see recycling as an issue. Fairfield County provides its residents with numerous educational opportunities and programs to promote recycling in the County and will continue to promote recycling to its residents.
- **Lack of Regulatory Requirements** – All recycling programs operating in the state are voluntary, including those in Fairfield County. Through educating its residents and providing recycling opportunities, Fairfield County promotes the participation in recycling programs.
- **MSW Generated Business** - Recycling efforts have focused primarily on residential programs, despite the fact that businesses are estimated to generate more than fifty percent (50%) of the State's MSW. Businesses are provided with cheap disposal options, which provide little incentive to reduce their wastes. Businesses are included as a part of the County's recycling education program, to allow them to evaluate their waste disposal practices on an annual basis.
- **Lack of Accountability** – Until the recent promotion of recycling, local governments have held the responsibility for the end-of-life costs of managing materials. No incentive had been given for producers, sellers, and consumers to reduce the waste associated with products. Through



recycling education, Fairfield County has promoted recycling to these groups.

These barriers contribute to low recycling rates and high disposal rates. Fairfield County is dedicated to adhering and exceeding the standards established in the Act. To accomplish these goals, Fairfield County will have to address these barriers and attempt to overcome each by using education, knowledge, and innovation.



VIII. WASTE MANAGEMENT PLANS: REVISIONS & CONSISTENCIES

Fairfield County, in accordance with SCDHEC requirements, submits the proper documentation regarding solid waste disposal in its Annual Progress Reports, and has prepared the Fairfield County Solid Waste Management Plan (SWMP). Fairfield County, in its efforts to stay current with available information and continually improve its services, reserves the right to review and revise the Fairfield County SWMP.

A. ANNUAL PROGRESS REPORTS

Section 44-96-60 of the Code requires SCDHEC to submit to the Governor and General Assembly, a comprehensive report on solid waste management in South Carolina by the end of each calendar year. Therefore, SCDHEC requires all counties, including Fairfield County, to submit an Annual Progress Report to the Department by October 1st of each year. The Annual Progress Report must contain at a minimum:

1. Any revisions to the solid waste management plan previously submitted by the County;
2. The amount of waste disposed of at municipal solid waste disposal facilities during the previous year by type of waste;
3. The percentage reduction each year in solid waste disposal at municipal solid waste facilities;
4. The amount, type, and percentage of materials that were recycled, if any, during the previous year;
5. The percentage of the population participating in various types of source separation, recovery, or recycling activities during the previous year; and
6. A description of the source separation, recovery, or recycling activities or all of the above activities attempted, if any, their success rates, the



reason for their success or failure, and a description of such activities which are ongoing.

B. REVISIONS TO THE FAIRFIELD COUNTY SWMP

This Plan will be reviewed annually by the Fairfield County Solid Waste Department to ensure minimum consistency requirements with the South Carolina SWMP. Upon recommendation of the Solid Waste Management Department, proposed revisions to the Plan will be submitted to Fairfield County Council for consideration and subsequent approval by majority vote.

Each page of the Fairfield County SWMP should clearly identify the name, page number, and date of last revision. Once a revision to the Plan has been approved by Fairfield County Council, the entire document will be submitted to SCDHEC by the Administrator or Solid Waste Department Director. Accompanying the revised report will be a cover letter containing the following information:

- date of which the revisions are to take effect,
- documentation on the local approval process.

Revisions not submitted by the Fairfield County Administrator or Solid Waste Management Department Director should be revoked.

C. CONSISTENCY & DEMONSTRATION-OF-NEED REQUIREMENTS

In accordance with SCDHEC Regulation *R 61-107.17 Solid Waste Management: Demonstration-of-Need*, which became effective June 26, 2009, a permit applicant proposing to construct a new, replacement or expand an existing Class Two landfill, a Class Three landfill, a Solid Waste Incinerator, or a Solid Waste Processor in the County, must provide SCDHEC with the following information:

- A. The name of the facility;
- B. Applicant contact information including name, address, telephone number, fax number, and email address;



- C. The geographical coordinates of the facility measured to the geographic center of the incinerator or processing facility, or to the geometric center of the landfill footprint;
- D. Facility type; and
- E. The proposed disposal rate for the proposed new facility or for the proposed expansion of the existing facility.

Detailed plans and specifications are not required for SCDHEC to make a factual determination of need. SCDHEC will make a determination of need based on the following:

“Where there are at least two (2) commercial disposal facilities of the same type within the planning area, no new disposal capacity will be allowed. Landfills in post-closure shall not be considered in determining need”.

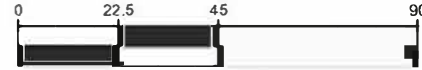
The following planning areas are used by SCDHEC for determining need:

Class Two Solid Waste Landfills	20-mile radius
Class Three Solid Waste Landfills	75-mile radius
Solid Waste Incinerators	75-mile radius
Solid Waste Processors	75-mile radius

Exhibit D illustrates the planning areas for existing class three landfills which have an impact on proposed facilities or facility expansions in Fairfield County.

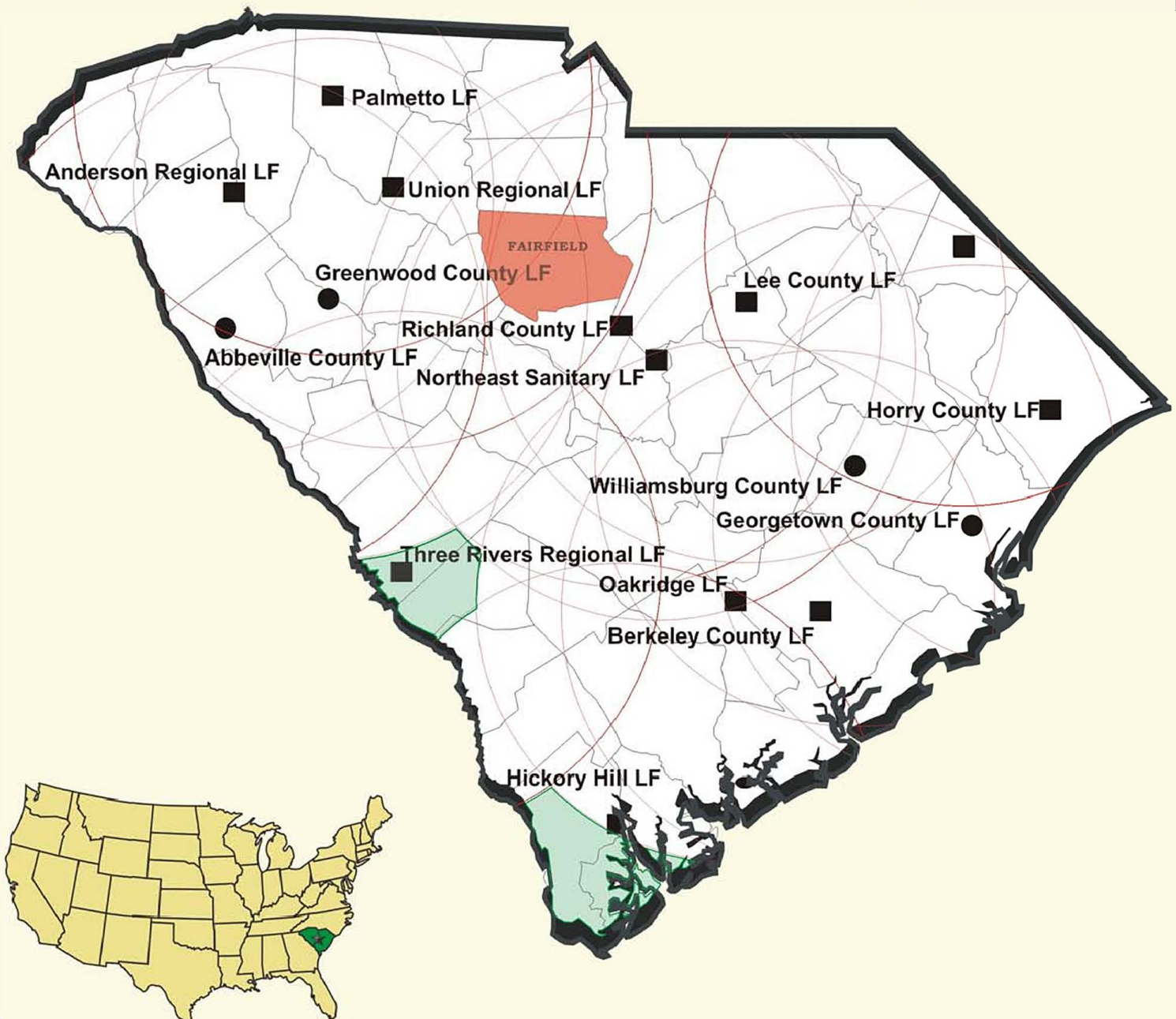
In addition to satisfying the determination of need requirements, a proposed solid waste facility must also obtain a consistency determination stating that the proposed facility is consistent with the local SWMP. Prior to issuance of a Notice to Proceed with the planning of a solid waste management facility, SCDHEC will prepare a Preliminary Determination of Consistency. The host county will be informed of the preliminary determination in writing. The county is to submit relevant written comments back to SCDHEC regarding the county’s position on the preliminary determination. If a written response is submitted by the County,

FAIRFIELD COUNTY SOLID WASTE MANAGEMENT PLAN CLASS 3 LANDFILL RADIUS MAP



GRAPHIC SCALE IN MILES

ALLIANCE
CONSULTING ENGINEERS
PREPARED BY
ALLIANCE CONSULTING ENGINEERS, INC.
FEBRUARY 9, 2012



LEGEND

Class Three Landfill



75 Mile Radius



Demonstrated Need



EXHIBIT D



SCDHEC and the county will attempt to resolve the decision. If an agreement is reached, different from the initial determination, SCDHEC will notify the applicant in writing.

The three (3) preliminary determinations of consistency issued by SCDHEC are “consistent”, “inconsistent” and “not inconsistent”. If a preliminary determination of “inconsistent” is issued by SCDHEC, the facility, as submitted to SCDHEC, is not permitted. A preliminary determination of “not inconsistent” enables the applicant to proceed with the permitting process required by SCDHEC. However, the facility is still subject to Final Determination of Consistency. A “consistent” preliminary determination will be followed by a “Notice to Proceed” presented to the applicant. A facility issued a preliminary determination of “consistent” is still subject to Final Determination of Consistency.

For facilities deemed by SCDHEC “consistent” or “not inconsistent” during the preliminary determination, the final consistency determination shall be made by SCDHEC on the day the final permit is issued. The final determination shall be based on the county’s plan of record on that date. If the final determination is “consistent” and all technical concerns have been resolved, a permit will be issued to the applicant. If deemed “not consistent” the permit will be denied on such basis.

Any applicant seeking a permit to construct a solid waste management facility within the County must obtain a favorable determination of consistency in regards with the Fairfield County SWMP. It is the permit applicant’s responsibility to ensure consistency with the Plan. To be consistent with the Plan, a facility must be in the best interest of the County, based on a factual determination of specific criteria included in the Plan, and must conform to the same principals outlined in Section 44-96-20(B) of the Act, as amended, and meet the criteria specified in the local Plan.