



MEMORANDUM

TO: Members of the Senate Finance Committee
Members of the House Ways and Means Committee

FROM: C. Earl Hunter, Commissioner
S.C. Department of Health and Environmental Control

DATE: November 29, 2007

SUBJECT: Year End Report (Fiscal Year 2007)
Solid Waste Trust Fund Activities

Enclosed is the annual update of the Solid Waste Trust Fund including a breakdown of the solid waste activities performed by DHEC. The report is submitted in accordance with the S.C. Solid Waste Policy and Management Act of 1991 (Act) as stated in Section 44-96-120 (C).

SOLID WASTE TRUST FUND

YEAR-TO-DATE REPORT
JULY 1, 2006 THRU JUNE 30, 2007
FY2007



PREPARED FOR
SENATE FINANCE COMMITTEE
HOUSE WAYS AND MEANS COMMITTEE



South Carolina Department of Health
and Environmental Control

SUBMITTED BY
C. EARL HUNTER, COMMISSIONER
S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

in accordance with the

SOUTH CAROLINA
SOLID WASTE POLICY AND MANAGEMENT ACT OF 1991

INTRODUCTION

SOUTH CAROLINA

SOLID WASTE POLICY AND MANAGEMENT ACT OF 1991

DHEC's current solid waste program was established after the passage of the South Carolina Solid Waste Policy and Management Act of 1991 (Act).

The Solid Waste Management Trust Fund, as outlined in the Act, funds the program, which consists of planning, regulation development and compliance, permitting, enforcement, hydrogeology, the Office of Solid Waste Reduction and Recycling and all regional personnel.

This report, which is required by the Act (Section 44-96-120), describes the use of all funds allocated from the Solid Waste Management Trust Fund for fiscal year 2007 (FY07) or July 1, 2006 to June 30, 2007.

SOLID WASTE TRUST FUND

The Solid Waste Management Trust Fund consists of fee money received from the sale of lead-acid batteries, white goods (appliances), tires and oil. An explanation of the distribution of the fees is below.

The **Batteries and White Goods Sub-Fund** is used for DHEC activities related to solid waste including grants/contracts to local governments. Beginning carryover from FY06 totaled \$3,369,191.90. The yearly revenue minus the administrative overhead totaled \$3,918,816.14. DHEC operational expenses include salaries/benefits, supplies, equipment, travel, fixed charges, and contractual expenses. Contractual expenses include the S.C. Department of Commerce Recycling Market Development Council, contracts for the performance of training and certification programs, a statewide outreach and education campaign, numerous solid waste workshops and trainings for local governments, and an agronomy contract for land application research and analysis. Solid Waste Grants to local governments for recycling and waste reduction programs also were supported by this fund. Total expenditures of this fund for FY07 were \$4,153,669.61.

The **Waste Tire Fund** is used for local government grants and operational expenses directly related to waste tires. Beginning carryover for the waste tire fund from FY06 totaled \$3,514,987.04. The yearly revenue minus the administrative overhead totaled \$4,291,243.46. This included a refund of a prior year trust fund budget reduction of \$2,510,960.00. Waste tire research projects, waste tire management grants, stockpiled tire grants, and automobile dismantler grants were made available to local governments upon approval of the Waste Tire Committee and Solid Waste Advisory Council (SWAC). A total of 1,923,517.93 was spent during the FY07.

The **Petroleum Fund** is used for incentive programs that encourage the proper disposal and recycling of used motor oil and associated materials. The fund also provides grants to local governments, schools and colleges, as well as enabling public education programs and research. A total of \$2,505,470.57 carried over from FY06 revenue. The yearly revenue minus the administrative overhead totaled \$2,815,061.68. This included the refund of a prior year trust fund budget reduction of \$1,078,586.00. Total expenditures FY07 totaled \$1,850,343.20.

**SOLID WASTE TRUST FUND
BATTERIES AND WHITE GOODS SUB-FUND
JULY 1, 2006 - JUNE 30, 2007**

FY2006 CARRY FORWARD BALANCE:		\$3,369,191.90
Revenues	Year-to-Date 7/1/06 - 6/30/07	Remaining Commitments
Fees	\$4,044,748.88	\$0.00
Training Conference Fees	\$26,100.00	\$0.00
Refund of Prior Year Expenditures	\$11,898.19	\$0.00
Interest	\$179,872.72	\$0.00
Less:EQC Admin. Overhead	-\$343,803.65	\$0.00
Total Revenues	\$3,918,816.14	\$0.00
Expenditures	Year-to-Date 7/1/06 - 6/30/07	Remaining Commitments
Salaries	\$1,589,137.76	
Fringe Benefits	\$460,419.55	
Agency Admin. Assessment	\$114,417.86	
Travel	\$22,648.73	\$32.04
Contractual	\$292,942.16	\$242,898.76
Supplies	\$66,433.25	\$2,509.02
Fixed Charges	\$13,081.63	\$25.96
Equipment	\$55,217.76	\$1.76
Gasoline	\$31,504.46	\$26.40
Grant/Contracts	\$1,507,866.45	\$1,921,136.69
Total Expenditures	\$4,153,669.61	\$2,166,630.63
Projected Year-End Cash Balance		\$3,134,338.43
less Remaining Commitments		\$2,166,630.63
Projected Cash Balance		\$967,707.80

BATTERIES AND WHITE GOODS FUND

DEFINITIONS

REVENUES:

BEGINNING BALANCE:	ACTUAL FUNDS CARRIED FORWARD FROM PREVIOUS FISCAL YEAR.
Fees:	Funds received from the \$2 fee collected on the sale of white goods and lead-acid batteries.
Training Conference Fees:	Funds collected for training conferences.
Refund of Prior Year Expenditures:	Adjustment from prior year.
Interest:	Interest on white goods and lead-acid batteries fees.
Overhead:	DHEC-EQC Administration expense to cover rent, phone, and utilities.

EXPENDITURES:

Salaries:	Personnel paid from solid waste funds. These include personnel involved in solid waste planning, solid waste permitting, solid waste enforcement, solid waste compliance, solid waste hydrogeology, grants, public education, and region solid waste consultants.
Fringe:	Benefits for the positions described above.
Admin. Assessment:	Overhead assessed by DHEC administration as a factor of salaries paid from white goods and led-acid batteries. This is to cover agency administration.
Travel:	Travel to training, workshops and conferences relating to solid waste issues.
Contractual:	Includes funds from contracts relating to solid waste issues.
Supplies:	Includes general office supplies and all office equipment under \$1,000.
Fixed Charges:	Includes copy machines, equipment rental charges, meeting room rental, automobile insurance, and membership dues.
Equipment:	All equipment costing more than \$1,000, including office furniture, computers, computer software and automobiles.
Gasoline:	Gasoline and maintenance for state automobiles used by solid waste staff.
Grants:	The amount awarded for solid waste grants to local governments for recycling and source reduction projects.

**SOLID WASTE TRUST FUND
WASTE TIRE SUB-FUND
JULY 1, 2006 - JUNE 30, 2007**

FY2006 CARRY FORWARD BALANCE:		\$3,514,987.04
Revenues	Year-to-Date 7/1/06 - 6/30/07	Remaining Commitments
Refund of Prior Year Budget Reductions	\$2,510,960.00	\$0.00
Fees	\$1,914,959.85	\$0.00
Insurance Claims	\$15,687.00	\$0.00
Refund of Prior Year Expenditures	\$1,022.61	\$0.00
Interest	\$224,817.20	\$0.00
Less:EQC Admin. Overhead	-\$376,203.20	\$0.00
Total Revenues	\$4,291,243.46	\$0.00
Expenditures	Year-to-Date 7/01/06 - 6/30/07	Remaining Commitments
Salaries	\$256,515.56	
Fringe Benefits	\$75,439.70	
Agency Admin. Assessment	\$18,469.20	
Travel	\$5,197.91	
Contractual	\$142,723.51	\$79,407.57
Supplies	\$39,714.98	\$2,923.83
Fixed Charges	\$6,282.41	
Equipment	\$159,031.85	\$1,215.47
Gasoline	\$8,306.35	\$182.17
Grant/Contracts	\$1,211,836.46	\$3,211,076.87
Total Expenditures	\$1,923,517.93	\$3,294,805.91
Projected Year-End Cash Balance		\$5,882,712.57
less Remaining Commitments		\$3,294,805.91
Projected Cash Balance		\$2,587,906.66

WASTE TIRE SUB-FUND

DEFINITIONS

REVENUES:

BEGINNING BALANCE: ACTUAL FUNDS CARRIED FORWARD FROM PREVIOUS FISCAL YEAR.

Refund of Prior Year

Budget Reductions: Refund of prior year transfer to the General Fund.

Refund of Prior Year

Expenditures: Adjustment from prior year.

Fees: Allocation of \$.44 from the \$2.00 fee collected on the sale of new tires.

Insurance Claims: Funds received from an insurance settlement.

Interest: Interest on the waste tire fees.

Overhead: DHEC-EQC Administration expense to cover rent, phone, and utilities.

EXPENDITURES:

Salaries: Personnel paid from waste tire fees. These include those involved in waste tire planning, waste tire permitting, waste tire enforcement, waste tire compliance, waste tire grants, waste tire public education and region solid waste consultants.

Fringe: Benefits for the positions described above.

Admin. Assessment: Overhead assessed by DHEC administration from salaries paid from waste tire funds. This is to cover agency administration.

Travel: Travel to training, workshops and conferences relating to waste tire issues.

Contractual: Includes funds from contracts relating to waste tire issues.

Supplies: Includes general office supplies and all office equipment under \$1,000.

Fixed Charges: Includes copy machines, equipment rental charges, meeting room rental, automobile insurance, and membership dues.

Equipment: All equipment costing more than \$1,000, including office furniture, computers, computer software and automobiles.

Gasoline: Gasoline and maintenance for state automobiles used by solid waste staff.

Grants: The amount awarded for waste tire grants. Includes collection, recycling and research projects.

**SOLID WASTE TRUST FUND
 PETROLEUM SUB-FUND
 JULY 1, 2006 - JUNE 30, 2007**

FY2006 CARRY FORWARD BALANCE:		\$2,505,470.57
Revenues	Year-to-Date 7/1/06 - 6/30/07	Remaining Commitments
Fees	\$1,840,996.89	\$0.00
Refund of Prior Year Budget Reductions	\$1,078,586.00	\$0.00
Refund of Prior Year Expenditures	\$3,159.10	\$0.00
Interest	\$140,484.25	\$0.00
Less:EQC Admin. Overhead	-\$248,164.56	\$0.00
Total Revenues	\$2,815,061.68	\$0.00
Expenditures	Year-to-Date 7/1/06 - 6/30/07	Remaining Commitments
Salaries	\$405,915.33	
Fringe Benefits	\$113,437.37	
Agency Admin. Assessment	\$29,225.91	
Travel	\$5,501.57	
Contractual	\$388,982.24	\$143,530.39
Supplies	\$78,697.76	\$811.84
Fixed Charges	\$7,972.89	
Equipment	\$33,703.61	\$72.08
Gasoline	\$3,264.75	
Grant/Contracts	\$783,641.77	\$1,576,224.13
Total Expenditures	\$1,850,343.20	\$1,720,638.44
Projected Year-End Cash Balance		\$3,470,189.05
less Remaining Commitments		\$1,720,638.44
Projected Cash Balance		\$1,749,550.61

PETROLEUM SUB-FUND
DEFINITIONS

REVENUES

Beginning Balance:	Actual funds carried forward from previous fiscal year.
Fees:	Funds received from the \$.02 per quart fee collected on the sale of motor oil.
Refund of Prior Year Budget Reductions:	Legislative refund of prior year transfers to the General Fund.
Refund of Prior Year Expenditure:	Adjustment from prior year.
Interest:	Interest on petroleum fees.
Overhead:	DHEC-EQC Administration expense to cover rent, phone, and utilities.

EXPENDITURES

Salaries:	Personnel paid from used oil funds. These include those involved in used oil planning, used oil permitting, used oil enforcement, used oil compliance, used oil hydrogeology, used oil grants, used oil public education and region solid waste consultants.
Fringe:	Benefits for the positions described above.
Admin. Assessment:	Overhead assessed by DHEC administration from salaries paid from used oil funds. This is to cover agency administration.
Travel:	Travel to training, workshops and conferences relating to used oil issues.
Contractual:	Includes funds for public education/information, research and incentive.
Supplies:	Includes general office supplies, promotional supplies, printing and software under \$1,000.
Fixed Charges:	Includes rental fees, membership dues, automobile insurance, etc.
Equipment:	All equipment costing more than \$1,000, including office furniture, computers, computer software and automobiles.
Gasoline:	Gasoline and maintenance for state automobiles used by solid waste staff.
Grants:	The amount awarded for used oil grants to local governments, public/private school grants and grants to colleges and universities.

PROJECT NARRATIVE

OFFICE OF SOLID WASTE REDUCTION AND RECYCLING

The S.C. Department of Health and Environmental Control's (DHEC) Office of Solid Waste Reduction and Recycling (Office) was created by the S.C. Solid Waste Policy and Management Act of 1991 (Act). The Office, in accordance with the Act, provides technical assistance, education and outreach programs, and grant funding to local governments, schools, colleges and universities regarding solid waste management issues in South Carolina. The Office includes staff from the Solid Waste Planning and Grants Section and the Education/Technical Assistance Section.

Grants and Trust Fund Administration Local Government, School and College Grants

There are five specific grant programs that provide funding to counties and local governments to implement source reduction and recycling programs. The Office provides the grant funds from the Solid Waste Management Trust Fund. Grants offered through this program are solid waste grants, waste tire grants and used oil grants as well as educational grants for schools and colleges/universities. The grant period for the fiscal year 2007 (FY07) is July 1, 2006 until June 30, 2007. Reimbursements and final reports are due 45 days after the end of the grant period. Two years of grant awards are included in this report because the FY07 Grants were awarded at the beginning of FY07, and FY08 grants were awarded just prior to the close of FY07. Waste Tire Grants are reviewed and approved by the Waste Tire Committee (WTC). In addition, all grant awards are approved by the state Solid Waste Advisory Council (SWAC).

Note: Grants are paid out on a reimbursement basis throughout the year. Grants are approved and awarded during one fiscal year but reimbursements to those grants may take place during a subsequent year. For this reason award amounts described will differ from the expenditures reported.

The Solid Waste Management Grant Program

The Solid Waste Grant Program is funded through fee money received from the sale of lead-acid batteries and white goods as stipulated in the Act. The Solid Waste Grants are awarded to local governments that can demonstrate that they have a plan to help increase the state's recycling rate, reduce the per capita disposal rate, and/or reduce the risks to public health and the environment.

The FY07 Solid Waste Grants allowed local governments to apply for funding in the following two categories.

- Corrugated Cardboard (OCC) Recycling Program - Local governments could request equipment to assist in increasing their recycling rate for cardboard. These included compactors, containers, balers, shed/buildings and related expenses, electrical needs, public education to promote cardboard program, infrastructure for new sources, trailers, loading equipment, data collection for program economics, and other related expenses. The SWAC approved \$1,455,850 for OCC projects.
- Increased Participation (IP) Program - Local governments could request funds for the purpose increasing the number of users that participate in local recycling programs, and/or to increase the amount of material recycled as a result of awareness and understanding about local recycling

programs. These included the development and implementation of a comprehensive public awareness program, purchase of “air time” or print advertisements, direct mailings, training of city/county personnel or contracted representatives, web page development, workshops or meetings for selected audiences, and other expenses that promote increased participation. The SWAC approved \$192,464 for IP projects.

The SWAC approved a grand total of **\$1,648,314** for FY07 Solid Waste grants.

FY2007 SOLID WASTE MANAGEMENT GRANTS

GRANTEE	OCC Award	IP Award	GRANTEE	OCC Award	IP Award
Aiken	\$85,600.00		Horry	\$40,000.00	
Barnwell	\$164,262.00		N. Myrtle Beach		\$35,000.00
Beaufort	\$41,909.00		Jasper	\$18,110.00	
Calhoun	\$48,644.00		Kershaw	\$60,000.00	
Charleston	\$116,000.00		Lancaster	\$23,000.00	
Cherokee	\$35,000.00		Lexington	\$35,000.00	
City of Chester	\$35,900.00		Oconee	\$54,000.00	
Clarendon	\$49,200.00		City of Seneca	\$29,900.00	
Darlington	\$23,000.00		City of Easley	\$10,000.00	
Dillon	\$74,800.00		City of Spartanburg		\$57,650.00
Fairfield	\$68,500.00		Sumter	\$117,900.00	
Georgetown	\$55,500.00		Williamsburg	\$35,000.00	
City of Greenville		\$41,800.00	York		\$58,014.00
Fountain Inn	\$7,500.00		City of Rock Hill	\$53,488.00	
Greenwood	\$20,137.00		Tri County	\$102,000.00	
Hampton	\$51,500.00				
			TOTAL	\$1,455,850.00	\$192,464.00

The FY08 Solid Waste grants were also awarded during FY2007. Local governments could apply for funding in the following three categories.

- Paper Materials Processing Program – Local governments could request equipment for sorting, baling or otherwise preparing paper material for market.
- Increased Paper Materials Collection Program – Local governments could request equipment for collecting or transporting paper material, including newspaper, magazines, office paper, corrugated cardboard, waxed cardboard, paperboard, etc.
- Business Outreach Program – Local governments could request funds for outreach/education to business to promote the recycling of paper materials. Specifically, funds could be used for workshops, direct mailings, temporary staffing and printed material.

The SWAC approved a grand total of \$1,523,095 for the FY08 Solid Waste grants.

FY2008 SOLID WASTE MANAGEMENT GRANTS

GRANTEE	PROCESSING	COLLECTION	OUTREACH	AWARD
Aiken	\$80,000.00	\$40,000.00	\$0.00	\$120,000.00
N. Augusta	\$0.00	\$40,000.00	\$0.00	\$40,000.00
Anderson	\$0.00	\$0.00	\$0.00	\$0.00
Barnwell	\$80,000.00	\$39,840.00	\$0.00	\$119,840.00
Beaufort	\$60,000.00	\$39,144.00	\$9,850.00	\$108,994.00
Berkeley	\$34,400.00	\$0.00	\$0.00	\$34,400.00
Charleston	\$23,040.00	\$40,000.00	\$0.00	\$63,040.00
Cherokee	\$0.00	\$0.00	\$0.00	\$0.00
Clarendon	\$0.00	\$40,000.00	\$0.00	\$40,000.00
Colleton	\$0.00	\$28,600.00	\$0.00	\$28,600.00
Dillon	\$0.00	\$31,244.00	\$0.00	\$31,244.00
Dorchester	\$80,000.00	\$40,000.00	\$0.00	\$120,000.00
Farfield	\$0.00	\$0.00	\$0.00	\$0.00
Georgetown	\$0.00	\$30,400.00	\$0.00	\$30,400.00
Greenville	\$0.00	\$26,894.00	\$0.00	\$26,894.00
City of Greenville	\$0.00	\$39,880.00	\$0.00	\$39,880.00
Hampton	\$0.00	\$40,000.00	\$0.00	\$40,000.00
Horry	\$80,000.00	\$40,000.00	\$0.00	\$120,000.00
N. Myrtle Beach	\$0.00	\$8,320.00	\$0.00	\$8,320.00
Jasper	\$0.00	\$0.00	\$0.00	\$0.00
Kershaw	\$0.00	\$40,000.00	\$0.00	\$40,000.00
Lancaster	\$0.00	\$38,086.00	\$0.00	\$38,086.00
Lexington	\$74,400.00	\$39,200.00	\$0.00	\$113,600.00
Newberry	\$0.00	\$0.00	\$0.00	\$0.00
Oconee	\$0.00	\$0.00	\$0.00	\$0.00
Orangeburg	\$0.00	\$40,000.00	\$0.00	\$40,000.00
Columbia	\$0.00	\$40,000.00	\$10,000.00	\$50,000.00
Spartanburg	\$0.00	\$29,280.00	\$0.00	\$29,280.00
Sumter	\$27,360.00	\$0.00	\$0.00	\$27,360.00
York	\$80,000.00	\$40,000.00	\$0.00	\$120,000.00
Rock Hill	\$0.00	\$18,477.00	\$10,000.00	\$28,477.00
Tri-County	\$25,280.00	\$39,400.00	\$0.00	\$64,680.00
TOTAL	\$644,480.00	\$848,765.00	\$29,850.00	\$1,523,095.00

Waste Tire Grant Program

The Waste Tire Grant Program is funded through the fee money received from the sale of tires as stipulated in the Act. The Waste Tire Grant program is made available annually to local governments to assist them in the implementation of their waste tire program. Funding helps local governments remediate stockpile tires, set up tire collection points, pay contractor costs for recycling waste tires and otherwise manage waste tires.

During FY07 the WTC and the SWAC approved Waste Tire Grants for FY07 in the amount of \$984,022, and for FY08 in the amount of \$2,249,499.

FY07 AND FY08 WASTE TIRE GRANTS AWARDED

GRANTEE	FY2007	FY2008	GRANTEE	FY2007	FY2008
Abbeville	\$14,050.00	\$6,188.00	Lancaster	\$15,350.00	\$3,250.00
Anderson	\$3,750.00	\$59,363.00	Lee	\$18,825.00	\$54,875.00
Beaufort	\$3,750.00	\$3,750.00	Lexington	\$3,750.00	\$0.00
Berkeley	\$0.00	\$210,796.00	Marion	\$21,500.00	\$31,250.00
Charleston	\$15,192.00	\$46,350.00	Oconee	\$3,250.00	\$3,250.00
Cherokee	\$43,000.00	\$42,250.00	City of Seneca	\$1,500.00	\$5,000.00
Chesterfield	\$25,250.00	\$29,550.00	Orangeburg	\$0.00	\$140,438.00
Clarendon	\$10,980.00	\$9,450.00	Pickens	\$48,825.00	\$44,250.00
Colleton	\$113,660.0	\$8,701.00	City of Easley	\$1,750.00	\$1,750.00
Darlington	\$26,350.00	\$19,725.00	Richland	\$0.00	\$21,200.00
Dillon	\$68,050.00	\$29,745.00	Spartanburg	\$38,350.00	\$85,050.00
Dorchester	\$3,750.00	\$15,750.00	Sumter	\$31,535.00	\$34,775.00
Fairfield	\$14,750.00	\$13,709.00	City of Sumter	\$2,250.00	\$0.00
Georgetown	\$62,250.00	\$53,050.00	Williamsburg	\$41,732.00	\$43,225.00
Greenville	\$59,800.00	\$213,700.00	Three Rivers	\$171,915.00	\$590,630.00
Greenwood	\$74,058.00	\$27,340.00	Tri-County	\$19,300.00	\$204,500.00
Hampton	\$4,550.00	\$16,750.00	York	\$0.00	\$3,750.00
Horry	\$0.00	\$80,026.00	City of Rock	\$0.00	\$2,250.00
Jasper	\$2,750.00	\$85,363.00			
Kershaw	\$18,250.00	\$8,500.00			
			TOTAL	\$984,022.00	\$2,249,499.00

In addition to the local government tire grants, DHEC, with WTC and SWAC approval, has awarded a multi-year applied research grant from the waste tire fund to Clemson University. The purpose of the grant is to address one of our nation's most important environmental issues by development and promotion of waste tire recycling applications and technology. The funding supports the Asphalt Rubber Technology Service (ARTS) directed by the Clemson University Civil Engineering Department.

The mission of ARTS is to encourage the use of value-added solutions for scrap tire rubber. They provide technical assistance in the promotion, design, testing and use of scrap tire rubber in industrial products, pavements, construction uses and engineering uses. The program provides coordination, special projects administration, research, technology transfer, and training. ARTS staff assists public works agencies in municipalities, county governments and state agencies to ensure they benefit from technology-based improvement in scrap tire applications. Assistance offered includes pass-through grant funding for the implementation of paving, construction and civil engineering projects at the state, county and city level.

Used Oil Grant Program

Used Oil Grant funds are for the establishment and operation of used motor oil collection programs for do-it yourself oil changers, including collecting used motor oil, motor oil filters, motor oil bottles and oil/gas mixtures. Funding comes from the petroleum fund. Funds may be requested for equipment, maintenance supplies, contractual services, site preparation, public education and professional development. The SWAC approved funding of \$753,715 for the FY07 Used Oil grants. The FY08 grants were awarded in the last quarter of FY07. The SWAC approved funding of \$1,123,704.00 for FY08.

FY07 and FY08 USED OIL GRANTS AWARDED

Grantee	FY2007	FY2008	Grantee	FY2007	FY2008
Abbeville	\$15,516.00	\$3,080.00	Jasper	\$37,850.00	\$86,671.00
Aiken	\$15,900.00	\$41,900.00	Kershaw	\$37,750.00	\$47,000.00
North Augusta	\$11,500.00	\$0.00	Lancaster	\$36,850.00	\$8,825.00
Anderson	\$24,850.00	\$3,750.00	Lee	\$0.00	\$4,820.00
Beaufort	\$9,990.00	\$13,700.00	Lexington	\$27,885.00	\$28,800.00
Berkeley	\$10,375.00	\$170,430.00	Marion	\$10,120.00	\$14,990.00
Charleston	\$8,950.00	\$7,350.00	Marlboro	\$2,930.00	\$32,030.00
Cherokee	\$6,460.00	\$5,085.00	Newberry	\$17,130.00	\$30,680.00
Chester	\$0.00	\$39,070.00	Oconee	\$5,050.00	\$3,250.00
Chesterfield	\$15,550.00	\$3,050.00	City of Seneca	\$1,500.00	\$1,500.00
Clarendon	\$19,683.00	\$7,945.00	Orangeburg	\$0.00	\$77,305.00
Colleton	\$18,556.00	\$5,320.00	Pickens	\$12,750.00	\$28,700.00
Darlington	\$19,100.00	\$3,595.00	City of Easley	\$14,156.00	\$8,659.00
Dillon	\$27,975.00	\$0.00	Richland	\$0.00	\$8,916.00
Dorchester	\$15,275.00	\$22,300.00	Forest Acres	\$0.00	\$1,750.00
Fairfield	\$13,480.00	\$3,785.00	Spartanburg	\$42,582.00	\$35,850.00
Florence	\$43,600.00	\$6,225.00	Sumter	\$16,630.00	\$22,630.00
Georgetown	\$5,250.00	\$19,583.00	City of Sumter	\$2,250.00	\$0.00
Greenville	\$17,634.00	\$5,550.00	Union	\$0.00	\$6,600.00
City of Greenville	\$2,250.00	\$0.00	Williamsburg	\$7,150.00	\$9,400.00
Greenwood	\$3,956.00	\$3,856.00	York	\$30,450.00	\$36,800.00
Hampton	\$8,250.00	\$7,730.00	Rock Hill	\$4,947.00	\$20,700.00
Horry	\$12,060.00	\$12,130.00	Three Rivers	\$81,775.00	\$128,382.00
N. Myrtle Beach	\$0.00	\$9,807.00	Tri-County	\$37,800.00	\$84,205.00
			TOTAL	\$753,715.00	\$1,123,704.00

Recycling Education Mini-Grant Program

The Recycling Education Mini-Grant Program is available to public and private schools or public school districts. Funding is from the Petroleum Fund. Grant funding may be used to purchase recycling containers, compost supplies, support materials for “Action for a cleaner tomorrow: A South Carolina Environmental Curriculum Supplement”, or supplies for recycling clubs. All projects must contain a used oil awareness component promoting the responsible disposal of used motor oil. Projects should be created, designed and implemented by students, teachers, principals or district personnel. Hands-on projects are encouraged. The SWAC approved funding of \$33,451 for 32 applicants.

FY07 RECYCLING EDUCATION MINI-GRANTS

DISTRICT	SCHOOL	BUDGET
Aiken County Public School	South Aiken High	\$1,250.00
Anderson School District # 5	Whitehall Elementary	\$625.00
Berkeley County School District	Hanahan Middle	\$1,250.00
Berkeley County School District	Macedonia Middle	\$695.00
Charleston School District	Ft. Johnson Middle	\$500.00
Clarendon School District #3	Walker-Gamble Elementary	\$1,250.00
Colleton County School District	Cottageville Elementary	\$1,035.00
Fort Mill School District #4	Fort Mill Middle	\$1,214.00
Fort Mill School District #4	Gold Hill Elementary	\$1,250.00
Greenville County School District	Summit Drive Elementary	\$1,250.00
Greenville County School District	Greenbrier Elementary	\$1,250.00
Greenville County School District	Fork Shoals School	\$897.00
Horry County School District	North Myrtle Beach Intermediate	\$1,250.00
Horry County School District	Aynor High	1,250.00
Lexington Richland District # 5	Harbison West Elementary	\$800.00
Lexington School District #1	Gilbert Primary	\$571.00
Lexington School District #2	R. Earle Davis Elementary	\$1,116.00
Lexington School District #2	Brookland-Cayce High	\$1,200.00
Lexington/Richland Co. Dist #5	Oak Pointe Elementary	\$1,250.00
Lexington/Richland Co. Dist #5	Irmo High	\$600.00
Pickens County School District	Easley High	\$1,250.00
Private ABS New Hope Midlands	The Pines- RTC/Midlands School	\$1,250.00
Richland Co School Dist # 2	Sandlapper Elementary	\$1,250.00
Richland Co School Dist. #1	A.C. Moore Elementary	\$1,250.00
Richland County School Dist #1	Edward E. Taylor Elementary	1,250.00
Richland School District #1	Caughman Road Elementary	\$1,000.00
Spartanburg School District #5	R.P. Dawkins Middle	\$400.00
Spartanburg School Disttrict #6	Jesse S. Bobo Elementary	\$700.00
Sumter School District #2	Oakland Primary I	\$1,112.00
York County School Dist #3	South Pointe High I	\$1,250.00
York School District # 4	Springfield Middle	1,250.00
York School District #1	York Comprehensive High	\$986.00
TOTAL		\$33,451.00

Collegiate Recycling Grant Program

Colleges and Universities Recycling Grant Program assists public and private institutions of higher education to establish or expand recycling and recycling education programs. Funds are made available from the Petroleum Fund. Eight applications were received in August. The SWAC approved funding of \$77,566 for eight colleges/universities.

FY07 COLLEGIATE RECYCLING GRANTS

GRANTEE	BUDGET
Citadel	\$9,766.00
Clemson University	\$10,000.00
Columbia College	\$10,000.00
Furman University	\$10,000.00
Lander University	\$8,750.00
MUSC	\$10,000.00
Spartanburg Tech	\$9,050.00
USC School of Med	\$10,000.00
TOTAL	\$77,566.00

Education/Technical Assistance

Education programs

“Action for a cleaner tomorrow: A South Carolina Environmental Curriculum Supplement” (“Action”) continued to be the centerpiece educational effort of the Office. “Action” was developed by a statewide team of teachers, the S.C. Department of Education and the Office and introduced in 1994. The Office offers “Action” workshops to schools and school districts as well as student teachers in colleges and universities throughout the state at no cost. “Action” workshops were attended by 1,141 teachers and others in 34 workshops held throughout South Carolina during FY07. More than 45,000 teachers and other educators have been trained on the curriculum supplement since 1994. About 200 teachers attended the annual summer workshop “Take Action Today.”

The Office also finished a complete revision of “Action”, reducing the number of lessons from 156 to less than 40, updating teacher worksheets and the glossary, redesigning the material and working with the S.C. Department of Education to have all lessons correlated to the new S.C. Science Standards. The seventh edition of “Action” was introduced during the annual summer workshop.

“Action in the Classroom” is a program that targets fifth-grade students with a basic introduction of recycling in South Carolina. The program, which is offered at no cost to schools, was presented to about 9,400 students in more than 110 schools throughout South Carolina in FY07

“The Green Driver Project” is a program that targets students in high school driver education classes with a basic introduction to the environmental impact of driving. Students learn the importance of used motor oil recycling, related air, water and energy conservation issues regarding the proper maintenance of their vehicles, litter prevention and safe driving. The program, which is offered at no cost, was presented to 16,035 students in 370 high schools throughout the state during FY07.

The Office developed a **new public awareness campaign** starring Vanna White that aired statewide in spring 2007. White, who grew up in North Myrtle Beach and is now an international household name as co-host of *Wheel of Fortune*, stars in a 30-second public service announcement encouraging South Carolinians to recycle. The campaign also features a color poster of White standing by the television game show's famous puzzle board with the message "Recycle South Carolina." DHEC had the opportunity to thank White in person at a taping of the game show in Charleston. White was named an "Honorary Recycle Guy" and was presented with a framed copy of the poster.

The **Resource Center** continues to play a vital role in the Office's education and technical assistance efforts. It houses many waste management periodicals, videos and other materials produced by the Office including "For Your Information" fact sheets and activity books. The Resource Center also is home to the Office's toll-free recycling hot line. In FY07, 3,301 calls were received and 571 information packages were mailed.

The 12th annual **Recycle Guys Awards Program** was held in March recognizing the top recycling programs, projects and people throughout South Carolina.

Alysen Woodruff with the City of Greenville was named Recycling Professional of the Year while Horry, Dorchester and Calhoun counties were honored for having outstanding waste reduction/recycling programs.

Other winners included: Bob Jones University, Outstanding College or University Recycling Program; North Charleston Elementary, Recycling School of the Year; S.C. Department of Parks, Recreation and Tourism-State Park Program, Outstanding State Agency Waste Reduction/Recycling Program; and Pickens County Beautification and Environmental Advisory Committee, Volunteer of the Year.

Special Recognition awards were given to Vickie Stephens with the Materials Management Office, who played an instrumental role in furthering the state's efforts to purchase recycled content paper products and Lorraine Conrad (former science chair for Richland School District 2) for her work with "Action."

Training

The Office held four solid waste management workshops as part of its professional development track: (1) mandatory certification training for **Municipal Solid Waste (MSW) Landfill Managers** and (2) **MSW Landfill Supervisors** as well as introducing (3) **MSW Transfer Station Operators** and (4) **Construction and Demolition Debris Landfill Operators** training in FY07. The primary goal of these courses is to provide individuals who work as solid waste facility operators a professional training program designed to help improve operational practices at their facilities. Through these annual trainings, participants gain insight on operating a facility that is safe for employees and customers, maintaining regulatory compliance and environmental integrity at the facility, operating profitably and/or cost effectively and improving industry standards through better operation by well-trained solid waste management professionals. In FY07, 95 people were trained in the four workshops.

Gardening and Recycling Organics Wisely (GROW) is a comprehensive program that offers an integrated approach to gardening, composting and landscaping with an emphasis on waste reduction. GROW focuses on many issues including soil enrichment, native planting, naturescaping, smart watering, composting and minimizing the use of chemicals. The three-hour course, which is available statewide at no cost, uses volunteer trainers from Clemson Extension, Soil and Water Conservation and Master Gardeners as well as Office staff. In addition to training, attendees are given an illustrated GROW handbook. Some counties provide composting bins for participants. There were five GROW workshops held in FY07 reaching 267 people in Greenwood, Horry (three workshops) and York counties.

The Office offers **Recycling Center Attendant Training** to local governments to ensure that best management practices are used and that the attendants have the latest information and customer service skills.

The training, which is offered at no cost, can be customized to each program. Each attendant is given a certificate of completion and is eligible to be the Recycling Attendant of the Year for the county. There were four attendant training workshops in FY07 in Dorchester, Kershaw and Orangeburg (two) counties with 149 people attending.

Technical Assistance

The **S.C. Resource Conservation Challenge** (S.C. RCC) was developed in 2003 to encourage all state agencies, colleges and universities, schools and school districts as well as local governments to conserve natural resources, protect the environment and perhaps save money in the process. The challenge was modeled after the U.S. Environmental Protection Agency's (U.S. EPA) Resource Conservation Challenge.

In September 2006, the fourth annual S.C. RCC Workshop was held. Nearly 100 individuals attended the workshop that provided information on a wide range of topics. Mary Beth Van Pelt of the U.S. EPA's Region IV Office provided an overview of its WasteWise program and encouraged attendees to become program partners. Other presentations covered the state's recycling contracts for electronics, used motor oil and used motor oil filters; buying recycled; recycling services provided by the S.C. Department of Corrections; and the use of alternative fuels. Staff from Winthrop University presented information on the use of green cleaning products on campus. All attendees received a variety of materials to assist with their resource conservation efforts.

America Recycles Campaign (AR) is a national awareness effort held every November 15 to remind Americans of the environmental and economic benefits of recycling as well as to buy products made from recycled materials. Americans are asked to sign a challenge card pledging to recycle and buy recycled content products. The Office, which has been involved with AR since the national celebration began in 1997, has developed one of the nation's top programs. South Carolina finished second in the nation in FY07 for the number of challenge cards collected (30,219). The cards are used in both state and national drawings for prizes. The state winner of the \$1,000 U.S. Savings Bond was Autumn Locklear from Holly Springs Elementary School in Pickens.

RecycleMania, organized by university recycling coordinators with the support of the U.S. EPA's WasteWise program and the National Recycling Coalition, is a national recycling competition in which colleges and universities engage in an environmentally friendly rivalry to determine which schools recycle the most and generate the least waste. For the second consecutive year, the Office promoted this program in South Carolina. As a result of the Office's efforts, seven S.C. colleges and universities participated in the 10-week competition in 2007. Bob Jones University, The Citadel, Clemson University, Coker College, College of Charleston, the Medical University of South Carolina and Winthrop University were among more than 200 schools from 42 states that participated. South Carolina had one of the strongest showings in the RecycleMania competition, with participating schools recycling nearly 1 million pounds of material as part of the competition.

The Office worked closely with the **S.C. Solid Waste Professionals Association**. The group, which formed in January 2007, represents only public sector solid waste directors, public works directors and other solid waste professionals. The group's mission is to provide a forum to discuss and develop best solid waste management practices in order to protect the environment, conserve resources and build a sustainable future. The Office made presentations at the monthly meetings including updates on regulations, planning and recycling.

The Office became a member of the **Product Stewardship Institute (PSI)**. The PSI, a national non-profit membership-based organization located in Boston, works with state and local government agencies to partner with manufacturers, retailers, environmental groups, federal agencies and other key stakeholders to reduce the health and environmental impacts of consumer products. PSI takes a unique product stewardship approach

to solving waste management problems by encouraging product design changes and mediating stakeholder dialogues. The Office is working on several projects with PSI including electronics recycling, paint recycling, best management practices for fluorescent bulbs and proper management of household hazardous materials and unwanted medicine.

The Office developed a partnership with **The Sustainability Institute** (based in Charleston) to produce a green building guide for the state. The guide will focus on construction and demolition debris recycling, recycled content building products as well as green building techniques.

The statewide **used motor oil recycling program** targeting do-it-yourselfers (DIYers) continues to flourish. Through a combination of technical assistance and grant funding for local governments, the Office has helped develop one of the nation's most comprehensive used motor oil recycling programs targeting DIYers.

Since the program began in 1990, more than 13 million gallons of used motor oil have been collected from DIYers. There are currently more than 800 sites across South Carolina for the collection of used motor oil from DIYers. In addition, most counties collect used motor oil filters and motor oil bottles from DIYers for recycling. Precise recycling efforts are not measurable as many counties now collect and market used motor oil filters and motor oil bottles with other metals and plastics, respectively. With this being the case, not all filters and bottles that are being recycled are being counted directly.

The Office continues to provide local governments with oil bottle drain racks that hold up to 50 motor oil bottles for use at recycling centers and processing facilities. Draining the motor oil bottles makes them more marketable. Drained bottles can normally be mixed with other HDPE (#2) plastics for recycling. Since 2000, the Office has provided nearly 500 drain racks to local governments.

To assist farmers with the proper management of used motor oil generated on small farms, DHEC continues to encourage local governments to establish used motor oil recycling sites for farmers. Agricultural oil tanks typically hold 600 gallons of used motor oil and are fitted with a pump and hose in an effort to make it easier for farmers to deliver up to 55 gallons of used motor oil at one time. Such tanks are currently available at 47 sites in 35 counties.

South Carolina continues to expand its used motor oil recycling program by adding oil/gasoline mixture collection sites to the local government programs. The oil/gasoline mixture tanks are typically 500 gallons and are designed to accept oil, gasoline and oil/gasoline mixtures from lawn equipment and recreational vehicles. Oil/gasoline mixture collection sites have been established at 58 sites in 37 counties.

The Office developed draft legislation on **electronics waste (e-waste) recycling** as requested by a member of the S.C. Legislature. The work required a thorough review and comparison of all e-waste legislation in the United States. The work resulted in legislation being introduced that competed with another e-waste bill introduced in the S.C. House. At the end of the S.C. House legislative session, the recommendation was made to come up with a compromise to both bills.

The **S.C. Smart Business Recycling** program (Smart Business) was introduced in FY07 to replace the Business Recycling Assistance Program. Smart Business offers free technical assistance including site visits to assess waste reduction and recycling opportunities, printed materials, research and contacts. The goal is not only to increase business recycling, but also to increase the number of businesses that report their recycling tonnages annually. This should go a long way in helping South Carolina reach its recycling goal of 35 percent. This past year, printed materials such as Best Management Practices and Tip Sheets were developed as well as a Web site (www.scdhec.gov/smartbusiness) to assist businesses in their recycling and reporting efforts. The program is a partnership between the Office, DHEC's Center for Waste Minimization and DHEC's Small Business Environmental Assistance Program as well as the S.C. Department of Commerce's Recycling Market Development Advisory Program.

As part of its efforts through the S.C. Smart Business Recycling Program, the Office continued to maintain the **S.C. Materials Exchange (SCME)**, a free online service (www.scdhec.gov/scme) that seeks to reduce waste by facilitating the exchange of reusable materials by businesses, non-profit organizations and government. In short, the SCME serves as a "matchmaking service" that provides users access to information on materials available or wanted. During FY07, 54 new listings were posted (28 for materials available and 26 for materials wanted). One user in Greenville County reported saving about \$3,500 by using the SCME to find someone that could use an unwanted material.

The Office offered a unique **pilot project to remove elemental mercury** and mercury containing equipment from South Carolina schools in the fall of 2006. The Office, in partnership with the S.C. Department of Education, contacted each school in the state through at least three e-mails (to school nurses, science chairs and facilities managers) to offer this free program. The schools were asked to provide an inventory of the elemental mercury and mercury containing equipment that would be available for pickup. The pilot project did not include fluorescent lamps or thermostats. A qualified vendor, under contract to DHEC, picked up the elemental mercury and mercury containing equipment and recycled all of the material. Overall, 20 schools and school districts responded to the free offer and about 40 pounds of mercury was collected.

In May 2006, South Carolina passed legislation setting up a **mercury switch removal program**. The program is intended to remove and recycle mercury switches – found in convenience lights in trunk and hood compartments as well as anti-lock brakes – from vehicles before they are crushed and shredded for recycling. The state's program is being offered in partnership with End-of-Life Vehicle Solutions (ELVS), a non-profit corporation formed by automobile manufacturers to manage the collected switches as well as provide educational materials.

During FY07, Office staff met with representatives of ELVS, the S.C. Recyclers and Dismantlers Association and the scrap metal industry to plan for program implementation. The Office also sent letters explaining the program and how to participate to more than 300 S.C. automobile dismantlers and all in-state shredders. To date, 44 facilities have registered to participate in the program.

The Office continued its partnership with the **S.C. Department of Parks, Recreation and Tourism** in setting up recycling containers at state parks. Several parks were added in FY07 bringing the total to about a dozen state parks with recycling bins.

The **S.C. Residential Recycling at a Glance: County Programs and Municipal Programs** Excel spreadsheets were revised and updated to reflect current local recycling programs, commodities and services. These spreadsheets are used to compare and analyze materials collected for recycling and identifying which counties and municipalities provide curbside recycling and which ones rely on drop-off sites. These spreadsheets cover thirty categories and at a glance you can count how many local governments are recycling glass or paint or who has a swap shop for items too good to be thrown away. They also are used to find out which counties are presently recycling the same materials and during site visits they can be used as checklists and as educational tools to compare counties of similar populations or geography.

Publications

Throughout the year, the Office continued to develop, design, write and edit publications. Here are some of the highlights of the projects that were completed in FY07:

Many projects for city and county recycling programs were completed during FY07. They included: new or updated brochures for Calhoun, Dorchester, Greenwood, Hampton and Marlboro counties as well as the City of North Augusta; magnet mailer postcards with detailed recycling information and locations for the cities of Greenville, Spartanburg and North Myrtle Beach as well as the Town of Fort Mill; newspaper ads for

Aiken, Marlboro, Williamsburg and York counties as well as the City of Easley; paint day collection fliers for Colleton County; recycling sign artwork for Florence County; recycling container stickers for Lexington County; and billboard artwork for Greenville and Oconee counties. In addition, artwork was produced for the following promotional items: crayon box artwork for Williamsburg County; pencil artwork for Hampton County; mouse pad artwork for Greenville and Charleston counties; T-shirt artwork for Greenville County; and coloring and activity books for the City of Chester.

Five new recycling mini-posters were created, printed and distributed during FY07. "Recyclers of the Lost Recyclables," "Bottle, James Bottle," "Recycling Isn't Just for Superheroes" and "Don't Be Cruel – Recycle!" featured parodies of Indiana Jones, James Bond, Batman and Elvis with recycling messages. Another mini-poster, featuring "Wheel of Fortune's" Vanna White, was created to promote a new television public service announcement.

A logo, sticker and poster were created for the Office's "2 Sides are Better Than 1" waste paper reduction campaign.

Promotional materials for AR were updated and reprinted including challenge cards and pencils; and the following materials were completed for the Office's partners and other DHEC programs:

- Two displays were created for the EQC Outreach Group for use at events to promote Earth Day 2007. An "Environmental Outreach Handbook" also was edited and reprinted for Earth Day;
- Materials including binder artwork, nametags and signs were produced for DHEC's Compliance Assistance Conference;
- A display for DHEC's Division of Mining and Solid Waste Management was developed and produced;
- "Mining & Reclamation in South Carolina" -- a brochure for DHEC's Division of Mining and Solid Waste Management" -- was created and printed during FY07;
- A logo for the Carolina Recycling Association's annual conference and trade show was created;
- A recycling services brochure was updated and printed for the S.C. Department of Corrections;
- A campus recycling brochure was created and printed for Lander University;
- A brochure for the National Kidney Foundation in South Carolina, a partner of the Office, was redesigned, printed and distributed during FY07;
- A brochure was updated and award certificates were produced for the S.C. Green Step Program; and
- A variety of materials (including certificates, membership lists, contact lists, application brochures, etc.) were updated and printed for the S.C. Environmental Excellence Program.

SOLID WASTE PLANNING AND REPORTING

Local Planning

The Act requires the State and each county or regional government to develop and implement a Solid Waste Management Plan. The purpose of the state and local planning effort is to ensure that there is adequate but not excess capacity to manage the solid waste generated in the state.

Most solid waste facilities must be determined consistent with the state and local plan prior to being permitted. This includes MSW landfills, Part II and Part IV landfills, ISW landfills, Solid Waste Processing facilities, Waste Tire Processing facilities, Incinerators, Transfer Stations, Research, Development and Demonstration facilities and facilities for the off-site treatment of contaminated soil.

Department staff is charged with ensuring that solid waste facilities are consistent with the state and local plans. Staff reviews proposed facilities for consistency with both the state and local plans as needed during the permitting process.

In addition, revised local plans that are submitted to the Department are reviewed for completeness and consistency with state and federal law and regulation. The following counties submitted new or revised solid waste management plans during fiscal 2007:

COUNTY/REGION	SUBMISSION
Kershaw County	October 2006
Florence County	December 2006
Fairfield County	Multiple revisions
Horry County	February 2007
Three Rivers Solid Waste Authority	May 2007
York County	February 2007 (Withdrew from Catawba Regional Plan)

State Planning

Changes to the State Solid Waste Management Plan (state plan) are developed by the Department and must be approved by the DHEC board. No changes were made to the state plan during FY2007. The last state plan was adopted in 1999, and a revision was made in 2005. The Department anticipates revising the state plan in 2008.

Solid Waste Reporting

The Act requires DHEC to publish a comprehensive annual report on solid waste management in the state. “The S.C. Solid Waste Management Annual Report” must be submitted to the Governor and General Assembly by March 15 each year. The report, which is completed by the Office, is required at a minimum to include: an overview of the amount and/or composition of waste that is recycled, disposed of and incinerated; the progress of the state and each county toward meeting the state’s recycling and disposal goals; revisions to the state’s solid waste management plan; and recommendations to the Governor and General Assembly for improving solid waste management.

The most recent report – which reflects solid waste management activities for FY06 (July 1, 2005 to June 30, 2006) – provides information on all types of solid waste, but focuses on MSW because that is what recycling and disposal goals are based on in South Carolina.

Counties and permitted solid waste facilities (except for private, on-site industrial landfills) provide the information used to compile this report. Counties are required to provide recycling information and solid waste facilities are required to report disposal information for the previous FY to DHEC annually. The state uses a Web-based solid waste data management system – called Re-TRAC – to collect and analyze recycling and disposal data from counties.

More than 4.9 million tons of MSW was generated in South Carolina in FY06 – a 7 percent increase from the previous FY. Of that amount: 1,510,409 tons (30.4 percent) were recycled – which is just under the 35 percent recycling goal.

In addition, 224,506 tons (4.5 percent) were disposed of at a waste-to-energy facility (incinerator) in Charleston County and 3,239,763 tons (65.1 percent) were disposed of in MSW landfills. The amount of MSW disposed of per capita decreased slightly from 4.5 pounds per day (p/p/d) in FY05 to 4.4 p/p/d in

FY06. This rate has changed little in the past six years and remains above the state's disposal goal of 3.5 p/p/d.

The report also details the recycling efforts of state agencies and colleges/universities. In FY06, they recycled 17,646 tons of material, reflecting a decrease of less than 2 percent from FY05. Despite more agencies reporting than ever before, there was a slight decrease in most categories along with a significant change in one category. The latter can be directly attributed to a one-time collection event at an agency that recycled a large amount of steel in FY05, but was not repeated in FY06. The S.C. Department of Transportation (DOT), however, reported additional recycling efforts. DOT recycled more than 240,000 tons of asphalt pavement, old sidewalks, bridge steel and concrete.

Specifically, 61 state agencies reported recycling 8,339 tons of material. Of that amount, the No. 1 item recycled was mixed metal followed by office paper. Twenty-six colleges and universities reported recycling 9,307 tons of material. Of that amount, the number one item recycled was construction and demolition debris followed by office paper.

REGULATION DEVELOPMENT

In April of 2007, DHEC filed Document No. 3113, a proposed amendment of Chapter 61-107 Solid Waste Management regulations, with the General Assembly for legislative review. This amendment simultaneously repeals Sections 61-107.11 Construction, Demolition, and Land-clearing Debris Landfills, 61-107.13 Municipal Solid Waste Incinerator Ash Landfills, 61-107.16 Industrial Solid Waste Landfills, and 61-107.258 Municipal Solid Waste Landfills and replaces them with a new Section 61-107.19. On April 29, 2007, DHEC withdrew this proposed regulation to make a change as requested by the House Agriculture, Natural Resources and Environmental Affairs Committee. Resubmittal of the proposed regulation with the requested change is pending.

DHEC proposes an amendment of R.61-107.4 SWM: Yard Trash and Land-Clearing Debris; and Compost. This proposed amendment will broaden the scope of the regulation to provide more flexibility to include composting options for other solid waste streams. Chipping/shredding operations will be addressed in this proposed amendment. It will also address problems encountered with the operation of existing facilities.

An amendment of R.61-107.17 SWM: Demonstration-of-Need is proposed by DHEC. This regulation section will broaden the scope of the regulation as well as update it to correlate with the pending new Section 61-107.19. If R.61-107.19 fails to receive legislative approval, the proposed amendment of R.61-107.17 will be annulled.

SOLID WASTE PERMITTING

The responsibilities of the Solid Waste Permitting Section, located within the Division of Mining and Solid Waste Management, include reviewing applications for permits, registrations and other forms of approval for the construction and operation of solid waste management facilities in the state and rendering a permitting decision for each. Table 1 is a summary of all permitting decisions. Table 2 identifies the number of Demonstration of Need Determinations. Table 3 lists the facility and associated permitting decision. Table 4 is a summary of other approvals completed by the Section.

SUMMARY OF PERMITTING DECISIONS (Table 1)

FACILITY TYPE	NEW PERMITS	PERMIT MODIFICATIONS
Short-Term C&D Landfill	1	0
Land-Clearing Debris Landfill	4	2
On-Site Industrial C&D Landfill	0	0
Long-Term C&D Landfill	4	11
Composting/Wood Grinding	7	7
Incinerator Ash Landfill	0	0
Contaminated Soil Treatment	0	0
Air Curtain Incinerator	3	1
Municipal Solid Waste Incinerator	0	1
Industrial Solid Waste Landfill	0	11
Land Application of Solid Waste	0	1
Municipal Solid Waste Landfill	0	9
Research Development & Demonstration	0	0
Solid Waste Processing	1	0
Solid Waste Transfer Station	1	1
Used Oil Facility	2	0
Waste Tire Facility	0	1
Total	23	45

DEMONSTRATION OF NEED DETERMINATIONS (Table 2)

Approvals	35
Denials	8

FACILITY SPECIFIC PERMITTING DECISIONS (Table 3)

FACILITY NAME AND TYPE	PERMITTING DECISION
Short-Term C&D LF	
James R. Hughes	New permit
Land-Clearing Debris LF	
Permitting Decision	
Loveless & Loveless, Inc.	New permit
Landscape Development Group, Inc.	New permit
Walter E. Moody	New permit
BHC Trucking, Inc.	New permit
PAR Grading and Hauling, Inc.	Modification (update O&M plan/ maps)
Randy Crawford	Modification (transfer of ownership)
C&D Part IV (Long-term) LFs	
Permitting Decision	
Marion County	New permit
Sumter County	New permit
C&D Mgmt Co LLC (Vernsdale Road)	New permit
I-77 Properties (County Line)	Permit denied (consistency issue)
Enterprise Material Handling Facility	Modification denied (DON issue)
York County	Modification (updated drawings)
Greenwood County	Modification (tonnage increase)

Pickens County (Easley)	Modification (expansion)
Charleston County Solid Waste & Recycling	Modification (tonnage increase)
Herman E. Muckenfuss	Modification (changed base grades)
Colleton County	Modification (tonnage increase)
Sandlands C&D LLC	Modification (updated financial assurance)
Colleton County	Modification (tonnage increase)
City of Lake City	Modification (tonnage increase)
York County	Modification (tonnage increase)
Composting / Wood Grinding Registration	Permitting Decision
LCR Construction, Inc.	New permit
R&D Tree LLC	New permit
Ronnie Ray	New permit
John Karlsen	New permit
Sodbusters Turf, Inc.	New permit
Schneider Tree Care, Inc.	New permit
S&T Grading and Excavating	New permit
Evergreen Tree & Turf Care, Inc.	Modification (transfer of ownership)
Spartanburg County	Modification (relocation)
White & Sons, Inc.	Modification (updated plans)
The Southern Mulch Co LLC	Modification (updated site plan)
Coastal Mulch and Composting LLC	Modification (transfer of ownership)
York County	Modification (wood chipping only)
Henson's, Inc.	Modification (transfer of ownership)
Air Curtain Incinerator	Permitting Decision
Arthur Smith	New permit
Coastal Debris	New permit
Whitaker Container Service, Inc.	New permit
Pickens County (Easley)	Modification (relocation of incinerator)
Municipal Solid Waste Incinerator	Permitting Decision
Montenay Charleston Resource Recovery Inc	Modification (updated O&M plan)
Industrial Waste LF	Permitting Decision
Nucor Corporation – Darlington	Modification (closure/post-closure plan)
Republic Services of SC LLC (Pepperhill)	Modification (closure plan)
International Paper Eastover	Modification (expansion; closure/post-closure plan)
Mining Road Landfill, Inc.	Modification (closure/post-closure plan)
GS Roofing Products Co Inc.	Modification (closure/post-closure plan)
Southeast Resource Recovery LLC	Modification (closure/post-closure plan; name change)
Dillon County	Modification (closure/post-closure plan)
Greens of Rock Hill LLC	Modification (closure/post-closure plan)
Pee Dee Environmental Services	Modification (tonnage increase)
International Paper Georgetown	Modification (closure/post-closure plan)
SRS Saltstone	Modification (new waste streams)

Land Application	Permitting Decision
Council Energy	Modification (new field locations)
Municipal SW LF	Permitting Decision
Greenwood County	Modification (tonnage increase)
Lee County Landfill	Modification (fill sequence)
Greenville County (Enoree)	Modification (alternate cap)
Waste Management (Richland Landfill)	Modification (closure/post-closure plan)
Berkeley County	Modification (alternate liner)
Spartanburg County (Wellford)	Modification (expansion - Phase VI)
Horry County SWA	Modification (tonnage increase; alternate cap)
Union County Regional	Modification (fill sequence)
Abbeville County	Modification (slope change)
Solid Waste Processing	Permitting Decision
Global Environmental Assurance, Inc.	New permit
Transfer Stations	Permitting Decision
Waste Management of SC (Horry County T.S.)	Permit denied (consistency)
Allied Waste Services (Greer T.S.)	Mod. (name change; update operational plan)
Used Oil Facilities	Permitting Decision
Diversified Recycling, Inc.	New permit
Vopak Industrial Services USA, Inc.	New permit
Waste Tire Facilities	Permitting Decision
Ridge Recyclers, Inc.	Modification (name change)

Other Approvals (Table 4)

TYPE OF APPROVAL	DECISIONS / APPROVALS
Cell Certification Approvals	9
New Waste Stream Approvals	10
Termination of Permits	12
Structural Fill Approvals	8
Miscellaneous Approvals	10
Total Approvals	49

SOLID WASTE HYDROGEOLOGY

Many solid waste facilities require groundwater approvals as a part of the permitting process. The Solid Waste Groundwater Section located within the Division of Hydrogeology provides these approvals. The table below summarizes the approvals made during fiscal 2007.

Groundwater approvals

TYPE OF APPROVAL	DECISIONS/APPROVALS
Preliminary Hydrogeologic Characterization Report	5
Site Hydrogeologic Characterization Work Plan	4
Site Hydrogeologic Characterization Report	7
Annual Groundwater Monitoring Report	129
Monitoring Well Approval Request	32
Methane Well Approvals	9
Total Approvals	186

SOLID WASTE COMPLIANCE

The Solid and Hazardous Waste Compliance Section is comprised of a Solid Waste Compliance unit and a Hazardous Waste Compliance Unit in the Bureau of Land and Waste Management. The Solid Waste Compliance Unit receives and acts upon solid waste compliance referrals, referred by one of the Department's Regional offices. The Solid waste Compliance Unit also receives, reviews and acts upon referrals resulting from routine inspections conducted at permitted and registered solid waste management facilities. In instances where regulatory violations occur, a referral may be made to the Solid Waste Enforcement Section.

The Compliance Unit is responsible for tracking the status of one hundred twenty-five (125) registered waste tire haulers. Waste tire haulers are required to renew registrations prior to March 1 of each year. The State has fourteen (14) permitted waste tire facilities. Ten (10) of these facilities are processing facilities that produce tire chips for use in septic tank drainage fields or for boiler fuel (tire derived fuel), and crumb rubber for use in a variety of non-manufactured products. Three (3) facilities are collection sites with capacities to manage greater than 2500 scrap tires. These facilities ship tires to authorized waste tire processing facilities for recycling. One (1) facility is a waste tire disposal site. Staff accompanied regional office staff on over one hundred forty-six (146) routine site visits/inspections. Compliance unit members continue to work with the regional offices on compliance problems at permitted facilities. Compliance action was initiated on nineteen (19) referrals from the regional offices and other solid waste sections. Compliance unit members continue to work closely with the staff of the enforcement unit to ensure proper operation and maintenance of all solid waste management facilities. Approximately fourteen (14) projects were referred for enforcement on permitted solid waste management facilities this fiscal year. Open dumping of construction, demolition, land-clearing debris and other solid waste continued to be a problem throughout the state. During the year approximately fifty-two (52) financial assurance mechanisms were reviewed and approved eight (8) financial disclosure statements were reviewed and approved. There are currently eight hundred ten (810) registered used oil collection sites in the State. Staff is tracking compliance of sixty-nine (69) used oil transporters and working closely with Hazardous Waste Compliance and Emergency Response to make sure all collection sites and transfer sites are properly registered and operated. Staff continues to work with these facilities to ensure compliance with the regulations. Lead-acid battery collection, recycling and recovered material processing

facilities are required to renew registrations prior to March 1. There are currently three hundred forty (340) active sites registered with the Department. The South Carolina Solid Waste Policy & Management Act of 1991 requires the Department to complete facility compliance reviews for permitted solid waste management facilities at least once every five years. Compliance staff completed reviews of thirty-one (31) facilities.

Compliance staff participated in numerous training sessions throughout the year. Staff also participated as instructors for the Department’s Operator Certification Training program for supervisors and managers of Municipal Solid Waste Landfills

SOLID WASTE ENFORCEMENT

The Solid Waste Enforcement Section (Enforcement Section) processes enforcement referrals for the solid waste program. The Enforcement Section receives and acts upon compliance referrals, initiated by one of the Department’s regional offices, or the Department’s Solid and Hazardous Waste Compliance Section (Compliance Section). Referrals are assigned to an Enforcement Section project manager. The project manager reviews the file, develops and issues a Notice of Alleged Violation and Enforcement Conference (NOAVEC) to the alleged violator (Respondent). The NOAVEC outlines the alleged violations and includes a date for an enforcement conference. Following the enforcement conference, the project manager reviews the information provided and after consultation with the Section Manager, determines if the violations warrant a formal enforcement action. If the decision is made to proceed with formal enforcement action, a proposed consent order is drafted and sent to the Respondent for review and comment. The Enforcement Section uses approved civil penalty assessment procedures and approved Department policies in deciding upon appropriate civil penalties. All penalty assessments are subjected to a peer review process and management approval to ensure consistency and fairness.

The language and assessed civil penalty are negotiable. Once consensus is reached, it is signed by the Respondent and the Department. The Consent Order is executed when the Deputy Commissioner signs it. In most instances, a consent order requires corrective actions(s) and the payment of a civil penalty. Civil penalties are transmitted into the state general fund or as directed by statute. If a consent order cannot be agreed upon, the Department may issue an administrative order without the Respondent’s consent, which is subject to an appeals process. The Enforcement Section coordinates closely with the Department’s Office of General Counsel on all cases and testifies in court, as required, regarding contested cases on appeal.

The solid waste program referrals usually involve cases of illegal disposal (open dumping) of solid wastes such as construction and demolition debris, land-clearing debris, shingles, used oil and waste tires. Other cases involve actions against permitted solid waste management facilities such as landfills, solid waste transfer stations, waste tire processing facilities, and wood chipping and composting facilities for operational, regulatory, and permit violations.

Actions taken during the fiscal year include:

ADMINISTRATIVE ORDERS EXECUTED	2
Consent Orders executed	31
Consent Agreements executed	0
NOAVEC’s issued	30
Warning Letters issued	3

During the fiscal year the Enforcement Section assessed civil penalties totaling \$230,230 regarding solid waste violations.

The Enforcement Section is also assisting in the development of a formal training program for new enforcement personnel, in conjunction with the other enforcement programs within Environmental Quality Control.

The Enforcement Section implemented two pilot initiatives for the Bureau of Land and Waste Management involving an alternative enforcement approach. One approach includes the settlement of minor violations through giving the respondent an option to sign a consent order and waive the right to an enforcement conference, in order to save time, travel and other resources. The other approach involves having minor open dumping violations addressed through an enforcement process handled by the Regional Office in which the violations occurred, with input and assistance from the Enforcement Section.

Additionally, the Section has assisted with the development of a "Solid Waste Investigation Notice", which is a form that a solid waste inspector can complete and leave on the site immediately after an inspection to facilitate compliance under an accelerated timeframe.

SOLID WASTE INVESTIGATIONS

The Solid Waste Investigation Unit (Unit) within the Office of Criminal Investigations is responsible for investigating criminal violations of the SC Solid Waste Policy and Management Act and other state laws as necessary. The Bureau's Solid Waste Review Group may make referrals to the Unit. If a referral is accepted, one of the Unit's criminal investigators who are commissioned law enforcement officers is assigned to work the case, leading to possible criminal prosecution.