

# SOLID WASTE

## Fund Summary

		<b>FY 2006 Actual</b>	<b>FY 2007 Adopted Budget</b>	<b>FY 2007 Current Budget</b>	<b>FY 2008 Adopted Budget</b>
Intergovernmental Revenues	\$	1,038,558	945,000	949,800	1,135,000
Fee & Other Revenues		21,391,673	21,859,673	22,627,530	24,409,000
<b>Revenue Totals</b>	\$	<b>22,430,231</b>	<b>22,804,673</b>	<b>23,577,330</b>	<b>25,544,000</b>
Personal Services	\$	895,595	1,049,996	1,049,996	949,898
Operating Expenses		15,924,422	17,556,677	22,109,334	22,538,102
Capital Outlay		-	-	-	-
Transfers Out		275,000	4,198,000	418,000	2,056,000
<b>Expenditure Totals</b>	\$	<b>17,095,017</b>	<b>22,804,673</b>	<b>23,577,330</b>	<b>25,544,000</b>
<b>Number of FTEs</b>		<b>14.00</b>	<b>14.00</b>	<b>14.00</b>	<b>15.00</b>

## Solid Waste Purpose and Goals

The Solid Waste Management Division of the Department of Environmental Services (SWMD) has two primary purposes. One is to provide leadership in the efforts to collaborate among service providers and structure a comprehensive, integrated system of solid waste management throughout the County that is effective, efficient and sustainable. The other is to provide services within the system that are not provided by municipalities or the private sector or that are suited to county-wide focus, including services that are required under North Carolina statute. A comprehensive, integrated solid waste management system is an essential element of providing basic community services that will ensure the quality of life expected by citizens throughout the County. This Business Plan presents the approach and priorities of the SWMD to develop and sustain that system. Our approach and priorities have remained consistent over the last five years and we have achieved major

milestones in our progress to reaching our goals. The following goals represent the foundation for providing the solid waste management system that is a key purpose of the SWMD:

- The Division will provide services and facilities that are coordinated with municipalities and the private sector for municipal solid waste collection, recycling and disposal, for disaster debris management, and for environmental education and information to citizens throughout the County.
- The Division will ensure compliance with federal, state and local rules, regulations and ordinances relating to solid waste facility operations, environmental protection and public health and safety.
- The Division will create a comprehensive solid waste management system based on fair and equitable market-based costs, active partnerships with municipalities and other stakeholders, financial sus-

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tainability and environmental stewardship that meet the evolving needs of Wake County citizens countywide.

- The Division will lead all stakeholders and partners in the development of Wake County's solid waste management system toward the adoption of cooperative agreements and policies that ensure the long-term sustainability of the solid waste system for the mutual benefit of their communities.

## Major Accomplishments

### Disposal Service:

- Secured long-term disposal capacity for the entire County with the execution of the service contract for the new South Wake Landfill; established schedules that provide for the new landfill to accept waste in time for the closure of the North Wake Landfill when it reaches capacity in early 2008,
- Continue landfill operations as well as post-closure monitoring and care of closed County landfills without environmental or regulatory problems; finalized the post-closure use master plan for North Wake Landfill and had it accepted by the Board of County Commissioners,
- Searched the entire county to identify temporary storage and disposal sites for disaster debris and identified 112 potential properties and after investigation, short listed 15 potential sites. In the next year those sites will be assessed by a newly retained consultant, and acceptable sites will be pursued for formal identification as TDSR sites.

### Recycling:

- Recycling services continue to be provided at fifteen SWMD facilities throughout the County. The school paper recycling services have been expanded into 135 schools and the remaining 15 schools in the system will be serviced by June 2007,
- Received \$267,000 for white goods and \$600,000 for scrap tire recycling programs from the state; increased private funding support by \$9,000 for the phone book recycling program,
- Re-bid Household Hazardous Waste (HHW) services expecting an

annual savings of more than \$200,000,

- Saved \$300,000 since July 2005 by increased monitoring of convenience center operations.

### Environmental Education:

- Received the Outstanding County Program Award from the NC Association of County Commissioners (2005) for our Feed The Bin Environmental Education program in schools,
- Developed and delivered lessons on Environmental Education to NC Association of Science Teachers; developing intensive training programs for NC teachers in the fields of environmental sciences that meet NC Standard Course of Study requirements,
- Finalized cooperative relationship with private paper recycler to manage an EE center at their materials recycling facility,
- Presented our Feed The Bin program details to Solid Waste Association of North America.

### Collaboration and Information:

- Finalized approval of the Long-Term Interlocal Agreement among the County and eleven of twelve municipalities for the development and operation of the new South Wake Landfill,
- Initiated collaboration in litter control and green business programs through restructuring of the Keep Wake Beautiful Committee,
- Completed update of the 10-Year Comprehensive Solid Waste Management Plan in accordance with State law; all jurisdictions collaborated on the single plan – the first time since the plans were first developed.

### Enforcement:

- Implemented enforcement protocol in collaboration with the Sheriff's Office at all convenience centers; 28 different Sheriff's Deputies have been trained and have conducted 38 events,
- Quarterly inspected six private Land Clearing and Inert Debris "LCID" facilities in accordance with memorandum of agreement with NC Department of Environmental and Natural Resources (NCDENR),
- Handled 107 complaints from citizens and officials regarding public

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health, environmental and nuisance issues and issued 46 Notices of Violation.

### **Collection/Hauling:**

- Identified and brought into compliance 40 new waste hauling firms; inspected more than 130 trucks and educated 30 hauling companies about state and local laws and ordinances regarding covered trucks, secured loads and safety requirements,
- Started publication of “Trash Spoken Here” newsletter for licensed haulers,
- Completed major repair of transfer station floor.

### **Issues For FY 2008**

- Transition disposal operations from North Wake Landfill to South Wake Landfill
- Contract for scale house services at South Wake landfill and collaboration of services at Raleigh transfer station.
- Initiate closure of North Wake Landfill
- Finalize protocol among municipal partners for fiduciary responsibilities regarding South Wake Landfill
- Establish next phase of environmental education services to County schools and teacher trainings
- Develop plan for Green Business recognition and business education and training
- Finalize Integrated Solid Waste Facilities Plan

### **Horizon Issues**

- Initiate implementation of Integrated Facilities Plan
- Collaborate with municipalities to improve consistency of services across jurisdictions
- Develop plans for providing services at the North Wake and Transfer Station sites after disposal operations transition to South Wake

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## FY 2007 to FY 2009 Business Plan Key Programs and Objectives

### Program Area 1: Recycling

**Key Objectives:**

- Conduct three (3) training and education workshops for ABC permit holders regarding new recycling laws
- Develop new Green Business recognition program
- Convert conversion of all schools from the Igloo program to Feed The Bin
- Provide mixed paper recycling in every Wake County Public School System (WCPSS) classroom and office
- Implement White Goods grant program to municipalities
- Draft Integrated Facilities Plan for County and municipal solid waste facilities

### Program Area 2: Environmental Education

**Key Objectives:**

- Complete Feed The Bin program for all grades and all classrooms in WCPSS schools
- Develop and present four (4) Environmental Education programs for NC teachers that utilize mathematics, science and social studies requirements of NC Standard Course of study
- Develop and hold one (1) intensive teacher training events to instill environmental perspectives in required lessons for WCPSS schools
- Draft a formal plan for collaboration with Cooperative Extension

### Program Area 3: Disposal

**Key Objectives:**

- Continue operating North Wake Landfill and monitoring of closed landfills without NOV's
- Obtain Permit to Operate from NCDENR for South Wake Landfill
- Transition landfill operations from Santek at North Wake to Waste Industries at South Wake without lapse in disposal services to haulers
- Obtain closure certificate for North Wake Landfill

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## Program Area 4: Collaboration and Information

### Key Objectives:

- Establish financial protocol for billing users at South Wake Landfill and the Raleigh Transfer Station
- Develop Integrated Facilities Plan for County and municipal solid waste services
- Draft a coordination plan for business recycling services among jurisdictions
- Draft a coordination plan for Environmental Education services and programs among jurisdictions

## Program Area 5: Enforcement

### Key Objectives:

- Continue quarterly inspection of each LCID facility
- Continue collaboration with Sheriff's Office for enforcement at County facilities
- Respond to complaints within 48 hours of receipt
- Assist DOT and interested groups with cleanup of at least ten (10) miles of rights of way throughout County

## Program Area 6: Collection/Hauling

### Key Objectives:

- Continue operating the transfer station without NOV's
- Close transfer station operation and secure NCDENR permit as required
- Enforce privilege license requirements for waste and recyclable material haulers
- Provide annual inspections and training events for fifty-two (52) licensed hauler
- Initiate final phase (30 years) of post-closure care at North Wake

# SOUTH WAKE

## Department Summary

		<b>FY 2006 Actual</b>	<b>FY 2007 Adopted Budget</b>	<b>FY 2007 Current Budget</b>	<b>FY 2008 Adopted Budget</b>
Personnel Services	\$	-	-	-	-
Operating Expenses		-	-	-	5,814,000
Capital Outlay		-	-	-	-
<b>Expenditure Totals</b>	\$	-	-	-	5,814,000
Intergovernmental Revenues	\$	-	-	-	-
Fee & Other Revenues		-	-	-	5,814,000
<b>Revenue Totals</b>	\$	-	-	-	5,814,000
<b>Number of FTEs</b>		-	-	-	-

Note: No prior year history - new fund beginning FY 2008.

### South Wake Purpose and Goals

In July of 2003 the County Manager and Managers of municipalities in the county formed a committee to examine the best long-term solution for disposal of solid waste. This long-term solution was to provide solid waste disposal for the citizens of Wake County and the municipalities therein as the closure date of the County's only Municipal Solid Waste (MSW) landfill draws nearer. As a result an Interlocal Agreement (ILA) between the local governments was approved by all governing boards who intended to establish a comprehensive approach to solid waste management facilities by the cooperative management of an integrated solid waste system that will serve both the municipalities and the County.

The Interlocal Agreement (ILA) was developed to:

- Allow participating partners to send all of their (MSW) to the South Wake facility

- Establish the term of the ILA to 25 years or the life of the landfill, whichever is lower
- Allow the County to establish commercially reasonable tipping fees for the landfill, after due consideration of recommendations of the partners.
- Establish that the net revenues from landfill operation will be distributed among the partners proportionally based upon their use of the landfill.
- Allow the City of Raleigh to benefit for a \$3/ton volume discount.
- Ensure all partners will share in any potential liability arising from operation of the landfill.
- Ensure that the partners may not withdraw from the agreement without the consent of all other partners and that no

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additional partners may join the partnership after the ILA is executed.

## Major Accomplishments

- Secured long-term disposal capacity for the entire County with the execution of the service contract for the new South Wake Landfill; established schedules that provide for the new landfill to accept waste in time for the closure of the North Wake Landfill when it reaches capacity in early 2008,
- Finalized approval of the Long-Term Interlocal Agreement among the County and eleven of twelve municipalities for the development and operation of the new South Wake Landfill.

## Issues for FY 2008

- Transition disposal operations from North Wake Landfill to South Wake Landfill.
- Contract for scale house services at South Wake landfill and collaboration of services at Raleigh transfer station.

## FY 2007 to FY 2009 Business Plan Key Programs and Objectives

### Program Area 1: Facilities and Operations

#### Key Objectives:

- Monitor and/or complete construction of entrance road, scale house and Phase 1A of the South Wake Landfill
- Obtain Permit to Operate from NCDENR for South Wake Landfill
- Transition landfill operations from Santek at North Wake to Waste Industries at South Wake without lapse in disposal services to haulers

- Finalize protocol among municipal partners for fiduciary responsibilities regarding South Wake Landfill.
- Finalize recommendations from the South Wake Landfill Citizens Committee.

## Horizon Issues

- Collaborate with municipalities to improve consistency of services across jurisdictions.
- Assess new operating procedures for South Wake Landfill and update as necessary.
- Develop implementation plan of adopted recommendations from the south Wake Landfill Citizens Committee.

- Satisfy all applicable requirements of the Easton Acres Settlement Agreement
- Develop report of recommendations from the South Wake Landfill Citizens Committee for site entrance and buffer area vegetation
- Assist the South Wake Landfill Citizens Committee to evaluate the pros and cons of amending the Easton Acres Settlement Agreement regarding development of the eastern-most soil borrow area

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