



# ENVIRONNEWS®

## Waste Management Institute

NORTH CAROLINA AGRICULTURAL & TECHNICAL STATE UNIVERSITY

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[www.ncat.edu/~wmi](http://www.ncat.edu/~wmi)

### INTERDISCIPLINARY ACADEMIC UNITS

- ANIMAL SCIENCE
- AGRICULTURAL EDUCATION
- AGRICULTURAL ECONOMICS
- ARCHITECTURAL ENGINEERING
- BIOLOGY
- BUSINESS ADMINISTRATION
- CHEMICAL ENGINEERING
- CHEMISTRY
- CIVIL ENGINEERING
- COMPUTER SCIENCE
- JOURNALISM AND MASS COMMUNICATIONS
- CONSTRUCTION MANAGEMENT & SAFETY
- CURRICULUM & INSTRUCTION
- ECONOMICS
- ELECTRICAL ENGINEERING
- HISTORY
- HUMAN ENVIRONMENT & FAMILY SCIENCE
- INDUSTRIAL ENGINEERING
- MATHEMATICS
- MECHANICAL ENGINEERING
- NURSING
- NATURAL RESOURCES & ENVIRONMENTAL DESIGN
- PHYSICS
- POLITICAL SCIENCE
- PSYCHOLOGY
- SOCIOLOGY/SOCIAL WORK

### Inside

- 10th Year Anniversary ..... 1
- Graduates Receive WMI Certificates ..... 2
- USEPA Summer Internships RTP ..... 3
- Workshop on Environmental Technology  
and Waste Management ..... 3
- A & T FUTURES ..... 3
- Summer Internships ..... 3
- Air Pollution Course ..... 4
- WMI Mission ..... 4
- Noteworthy ..... 4



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**Interdisciplinary  
Waste  
Management  
Institute**

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Provost

**DR. JAMES C. RENICK**  
Chancellor

## WMI Celebrates 10th Anniversary with \$615,000 Grant From US Department of Energy, Savannah River Site



**L-R:** Dr. Alton Thompson, Dean, School of Agricultural and Environmental Sciences; Dr. N. Radhakrishnan, Vice Chancellor for Research and Economic Development; Dr. Godfrey Uzochukwu, WMI, Director; Thomas Johnson, DOE-SR; Dr. Kenneth Murray, Dean, Graduate Studies; Dr. Colleen Grotzky, Executive Assistant to the Chancellor; Doris Hunter, Registrar; and Dr. Patricia Price Lea, Dean, School of Nursing.

**A** five-year grant in the amount of \$615,000 from the United States Department of Energy, Savannah River Site (SRS) highlighted the 10th anniversary celebration of the establishment of the Interdisciplinary Waste Management Institute (WMI) of North Carolina A&T State University. The award was presented to the University on May 7, 2004 at the Waste Management Certificate Ceremony by Thomas Johnson, Jr., Remedial Project Manager in Soils and Groundwater Project Division at SRS. Johnson delivered the keynote address on behalf of Jeffrey Allison, Manager, SRS, during the ceremony. Johnson said, "The purpose of the \$615,000 grant is to train students who will work in environmental and waste management fields." The University will receive \$123,000 per year according to Dr. Godfrey A. Uzochukwu, WMI Director. "The funds will be used to expand research, scholarship, and fellowship opportunities in environmental and waste management for A&T's interdisciplinary WMI scholars," said Uzochukwu. Dr. James C. Renick, Chancellor, hailed the grant as an opportunity "for creativity and innovation for the waste management program at A&T." "This grant is a boost for the waste management certificate program and will further enhance our FUTURES initiatives," said Dr. Carolyn Meyers, Provost and Vice Chancellor for Academic Affairs. "There is a great need to train students with skills in waste management," said Dr. N. Radhakrishnan (Radha), Vice Chancellor for Research and Economic Development.

# 10TH Anniversary Graduates Receive Waste Management Certificates

One hundred and eighty-eight (188) graduating seniors (B.A./B.S.) received the Waste Management Certificate at special ceremonies in December 2003 and May 2004. The certificate graduates completed a minimum of 18 credit hours of environmental and waste management courses. The certificate highlights the training of A&T students in environmental security and waste management issues and complements the undergraduate degree. The WMI certificate graduates are multi-dimensional scholars. The names of the certificate recipients are as follows:

Obinna Achareke	Management and Information System	Karlea J. Woods	Occupational Safety and Health	JoAnne Harris	Nursing
Pamela S. Allen	Occupational Safety and Health	Corréé O. Adams	Mechanical Engineering	Yashica S. Harris	Nursing
Quan M. Baker	Industrial Engineering	Samantha L. Adams	Biology	Lakishea Nicole Hawkins	Biology
Demetria Y. Brooks	Political Science	Bianca Alexander	OSHA	Christian Anthony Holland	Architectural Engineering
Darius J. Broughton	Bioenvironmental Engineering	Kimberly Lavette Allen	Political Science	Tiffany C. Houston	Psychology
Tanishua L. Carr	Biology	Torie E. Anderson	Laboratory Animal Science	Shenoah Howard	Biology
Giselle Charles	Business Management	Quan Maurice Baker	Industrial Engineering	Tamika Nicole Hudson	Accounting
Lisa R. Conner	Biology	Kelly Barker	Laboratory Animal	Kia J. Jackson	Biology
Candice C. Dixon	Occupational Safety and Health	Brandi Barrett	Agricultural Education	Sarah Christine Jeffries	Nursing
Terrance O. Donald	Civil Engineering	Tyvon Lee Bates	Political Science	Boikhuso R. Jibula	Civil Engineering
Joseph Dorsey	Industrial Engineering	Teresa Venicia Beasley	Lab Animal Science	Meagan J. Johnson	Biology
Kandi Y. Fuller	Animal Science	Brice Bell	Civil Engineering	Norlyque Lynnae Jones	Architectural Engineering
Richard W. Gardner	Earth and Environmental Science	Alexis Devon Best	Nursing	Rasheda D'Amber Jones	Nursing
Carlos W. Godwin	Industrial Engineering	KiVette Lawanda Blacknall	Biology	Stanley Jones II	Political Science
Nicole A. Gully	Political Science	Crystal Michelle Bowers	Laboratory Animal	Kelly K. Jordan	Political Science
Kwaku Gyenai	Laboratory Animal Science/Animal Science	Ginelle Brewster	Industrial Engineering	Kerry M. Kaylor	Lab Animal Science
Dawn S. Hampton	Laboratory Animal Science	Kristal Lyn Brown	Biology	Dietra Rachel Keen	Nursing
Shemicka L. Hodge	Graphic Communication Systems	Shonda Johnson Burnette	Political Science	Kenneth Kingsberry	Political Science
Derrian L. Hollingsworth	Civil Engineering	Francine Byrd	Electronic Computer	Leticia Giovanna Lee	OSHA
Jemyra F. Ingram	Industrial Engineering	Angela Cameron	Nursing	Amanda Pearson Lowe	Lab Animal Science
Kanika L. Johnson	Political Science	Laveda Michelle Casterlow	Biology	Jessica L. McClanahan	Laboratory Animal Science
Trina J. Jones	Public Relations	Cambrea L. Chance	Biology	Alicia Faye McCormick	Animal Science
Kevin Jupiter	Industrial Engineering	Tara Elizabeth Chaney	Nursing	Shronda Laneise McMillan	Political Science
Lisa King	Nursing	Kimina Irene Chisolm	Civil Engineering	Kenneth S. McNeill, Jr.	Agricultural & Biosystems
Rebecca L. Lewallen	Animal Science	Terence Jermaine Clegg	Political Science	Mahogany Krystal Mead	Chemical Engineering
Natalie N. Lockhart	Civil Engineering	Martha A. Cline	Nursing	Matthew E. Mebane	Chemical Engineering
Angel N. Long	Political Science	Howard Jason Conyers	Bioenvironmental Engineering	Earl Lee Mills, Jr.	Manufacturing Systems
Janis M. Lullen	Architectural Engineering	Tomesha Sharwan Crowder	Nursing	Crystal Olympia Moore	Agricultural & Biosystems
Tiffany N. Lyons	Occupational Safety and Health	Kevin John Curry	Architectural Engineering	Emmanuel Moore	Biology
Hashim M. Mahmoud	Chemical Engineering	Rosetta Davidson	Political Science	Kurstin N. Moore	Nursing
Peter J. Malone	OSHA	Briannica Jarrell Daye	Biology	Rakisha Tameka Nicholson	Biology
Jamal N. Mason	Industrial Engineering	Terra Alise Friday Dodson	Chemical Engineering	Najla Lisa Norwood	Psychology
Rhonda P. McCoy	Chemistry	Susan Lynn Dotson	Nursing	Douglas Okorochoa	Political Science
Haywood McKoy, III	Agricultural Education	Krysta C. Doust	Laboratory Animal Science	Olamide Olayiwola	Biology
Shamille O. Muckles	Industrial Systems	Tracella Marie Duncan	Nursing	Tawheid Ahmed Omer	Chemical Engineering
Brandon A. Miller	Political Science	Jarrett Elliot	Agricultural Education	Ngozi Awele Joi Onianwah	Nursing
Cedric M. Moody	Business Management	Jasmin D. Feimster	Biology	Jeremiah Kwame Oyata	Science
Cynthia B. Moore	Nursing	Dean Andrew Forbes	Earth & Environmental Science	Jameka S. Pankey	Science
Shauntika M. Moore	Biology	Fachecia LaVerne Fort	Nursing	Coretta Aisha Parks	Nursing
Brian Muhammad	Agricultural and Biosystems	Martinique Free	Lab Animal Science	Priya Chea Phillips	Architectural Engineering
Rakisha T. Nicholson	Biology	Candice Olivia Freeman	Chemical Engineering	Donielle Yvette Polk	Political Science
Judodine P. Patterson	Bioenvironmental	Shameka Freeman	Agricultural Economics	Cherika Danielle Ponds	Animal Science
Katifa a. Peay	Chemical Engineering	Stephen Jerreon Gainey	Political Science	Chanel Renaye Pride	Industrial Engineering
Raquel S. Rodgers	Political Science	Deborah A. Gladding	Nursing	Darlene B. Primas	Business Administration (Marketing)
Johnny B. Sampson	Manufacturing Systems	Shawn Wells Goldman	Nursing	Rehema Michele Primus	Biology
Taron N. Seburn	Political Science	Crystal Michelle Graves	Computer Science	Marshay Privott	Agricultural Education
Kamisha J. Smith	Animal Industry	Diarra Jenee' Greene	Nursing	Stacey Inez Pryor	Political Science
Tara L. Spivey	Business Management	John O. Grier	Lab Animal Science	Adam Wayne Pugh	Architectural Engineering
Marco P. Trevino	Industrial Engineering	Kia Capri Guest	Nursing	Bettie Charrisse Ray	Political Science
Akinwunmi O. Veal	Chemical Engineering	Evelyn Raye Hairston	Agricultural Education	Norwood N. Richardson	Political Science
Israel L. Ward	Architectural Engineering	David S. Hammond, Jr.	Biology	Aisha Rachelle Riley	Nursing
Bruce Williams	Political Science	Amanda Leigh Hampton	Earth & Environmental Science	Lori M. Rippey	Political Science
		Jacqueline Leandra Hampton	Nursing	Davida K. Robinson	Biology
			Psychology	Maurice Izell Ross	Industrial Engineering
				Najeebah Taheerah Shareef	Earth & Environmental Science
				Tomeka Simmons	Business Management
				Reshanda LeAnn Simons	Nursing
				Freda L. Singletary	Chemical Engineering
				Diana Smith	Nursing
				Nancy Renee Taborn	Political Science
				Ashleigh Lashea Taylor	Biology
				Sylvia D. Taylor	Biology
				Mark Anthony Thomas	Bioenvironmental
				Taiwo Tijani	Nursing
				Deanna Marie Tinnin	Industrial & Systems Engineering
				Venus T. Townsend	Accounting
				TyJuan Turner	History
				Kelechi Nmaobi Uzochukwu	Civil Engineering
				Mylene Lasola Valdez	Nursing

Timothy F. Vangel	Chemical Engineering
Carlos Santana Walden	Nursing
Kimberly Michelle Walker	Nursing
Levi M. Walker II	Agricultural Business
Israel L. Ward	Architectural Engineering
Alberta Louise Watkins	Biology
Georgina Watts	Nursing
Stephen Brooks Weaver	Nursing
Bianca Corine White	Chemical Engineering
Sheea L. White	Laboratory Animal Science
Douglas Eugene Wiggers, Jr.	Lab Animal Science
Glenda L. Williams	Nursing
Karen A. Williams	Chemical Engineering
Brandis Williamson	Biology

### 10th Anniversary Graduate Students Receive Advanced Waste Management Certificate

Fifteen (15) A&T graduate students (M.S.) received the Advanced Waste Management Certificate at special ceremonies in December 2003 and May 2004. The graduate students completed a minimum of twelve (12) credit hours of advanced course work (6 credit hours of advanced course work and 6 credit hours of thesis/project). The names of the advanced certificate recipients are as follows:

Michelle D. McCallum	Agricultural Economics
Babatunde A. Oyekan	Chemical Engineering
Ivan Jose Carrasco Pereira	Civil Engineering
Kerry J. Johnson	Plant, Soil & Environ Science
Scott Cole	Plant, Soil & Environ Science
Georgette Koty	Civil Engineering
Siham A. Ahmed	Food & Nutrition
Theophilus Mensah Asante	Plant and Soil Science
Lauren Hillary Glover	Plant and Soil Science
Rickie Lee Holness	Plant and Soil Science
Ivan Jose Carrasco Pereira	Civil Engineering
Djaafar Rehrach	Food & Nutrition
Robert E. Thomas	Manufacturing Systems
Benedict M. Uzochukwu	Industrial & Systems Engineering
April LeShawn Vann	OSHA

## A&T FUTURES

### THE VISION

North Carolina Agricultural and Technical State University is a learner-centered community that develops and preserves intellectual capital through interdisciplinary learning, discovery, engagement, and operational excellence.

By August 2005, A&T will enroll at least 10 percent of the student population (or 1,000 students) in new interdisciplinary academic centers and programs.

## Pre-college Workshop on Environmental Technology and Waste Management



The above workshop was conducted for seventy one (71) high school juniors and seniors at NC A&T on June 23, 2004. The theme of the workshop was "Environmental Security and Waste Management Issues."

## 2004 US Environmental Protection Agency Summer Interns at Research Triangle Park, NC

Valencia Jones	Elementary Education	Emelina Diaz Wiley	Civil Engineering/Psychology
David Seed	Bio-Environmental Engineering	Kingsley Nelson	Chemical Engineering
Crystal Biddle	Chemical Engineering	Monique Rhames	Economics
Charles Ross	Political Science	Nyasha Anderson	Economics
Kajal Parikh	Industrial & Systems Engineering	Forpu Njikam	Civil Environmental Engineering
Tamia Eaton	Human Resources	Shameka Freeman	Agricultural Economics
NyEsha Robinson	Industrial & Systems Engineering	Oliver Thomas	Political Science
Jaime Thompson	Graphic Communication Systems	Israel Ward	Architectural Engineering
Beverly Clark	Agricultural Economics		

## WMI Celebrates 10th Anniversary

In 1994, the United States Department of Energy's Savannah River Office (USDOE-SR) and North Carolina A&T State University entered into a partnership to develop an interdisciplinary Waste Management Institute with a \$1.4 million grant. The interdisciplinary WMI was approved by the Office of the President, The University of North Carolina, in June 1994 as an academic support unit with limited research and public service functions.

The WMI has received both local and national recognition. In 1996, the Greensboro Area Chamber of Commerce presented WMI with the first-place award for developing innovative waste management practices that protect the environment. In 2002, the Environmental Careers Organization selected the WMI as the recipient of the National Environmental Excellence Award in academic programming and diversity.

### WMI Mission

- Enhance awareness and understanding of waste problems and their management in our society.
- Enhance instruction, research, and outreach which are needed to improve the quality of life and protect the environment.

## Interdisciplinary Air Pollution Course

The interdisciplinary Air Pollution course was taught at North Carolina A&T State University in Spring 2004 by Lynn Dail, a senior project officer and air pollution expert with the U.S. Environmental Protection Agency. The course is designed for senior and graduate level science, engineering, technology and other students who desire course work in air pollution assessment and control to round out their knowledge of the environmental sciences. Topics covered include air pollution fundamentals, emission control technology, testing and monitoring, principles of quality assurance, assessing air pollution exposure risks, regulatory development and compliance, trends in air pollution research, and air quality project management.

Lynn Dail is an Environmental Scientist with the Environmental Protection Agency (EPA) Emission Standards Division of the Office of Air Quality Planning and Standards in Research Triangle Park, NC. He is presently Project Officer for the National Emission Standards for Hazardous Air Pollutants (NESHAP) program. He is also Project Officer for the Residual Risk assessment programs that evaluates any possible human health risks involved in the emissions of surface coating activities.

### Noteworthy

*From the period 1995 through 2003, the total number of A&T students who have received the Waste Management Institute Certificate with their BA, BS, MA and MS degrees is more than 1000. Many of these students are environmental and waste management professionals. Because of their diverse academic backgrounds, graduates of the certificate program are well rounded and prepared to wear more than one "hat" in the workplace. For example, many private, public and non-profit agencies are or will be engaged in activities that have negative results on the natural, built and social environments. When issues such as air quality, water quality, energy conservation, habitat destruction, urban sprawl and waste management are not addressed, everyone suffers. However, those agencies would save thousands of dollars as well as the ecosystem by hiring individuals who are trained in environmental security and waste management in addition to the primary area for which they are hired.*

### Editorial Committee:

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This newsletter is a publication of the Waste Management Institute of NCA&TSU. It is intended to increase the awareness of teachers, students, industry, government, and community groups about environmental and Waste Management issues.



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