



ENVIRONNEWS®

Waste Management Institute

NORTH CAROLINA AGRICULTURAL & TECHNICAL STATE UNIVERSITY

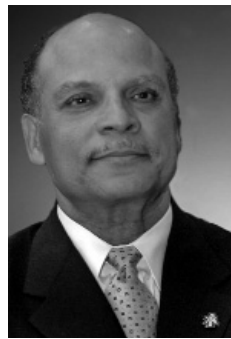
VOLUME 14 NO. 14 • SUMMER 2009

INTERDISCIPLINARY ACADEMIC UNITS

- ANIMAL SCIENCES
- AGRICULTURAL EDUCATION
- AGRICULTURAL ECONOMICS
- ARCHITECTURAL ENGINEERING
- BIOLOGY
- BIOENVIRONMENTAL ENGINEERING
- 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

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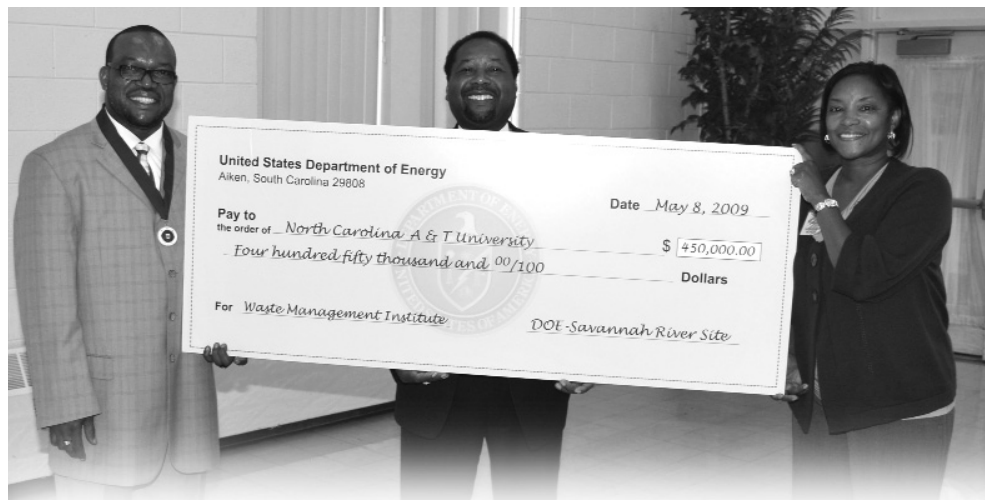
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Dr. Harold Martin Sr.

New Chancellor Ready To Make A&T Greener

Dr. Harold Martin Sr., former Senior Vice President of the University of North Carolina System has been named Chancellor of A&T effective June 8, 2009. Prior to his appointment, Dr. Martin was responsible for academic planning and implementation for the UNC System. He led Winston Salem State University from 2000-2006. Under his leadership, the University raised academic standards and doubled its enrollment. Dr. Martin has the ability, desire, energy and vision to make A&T Greener. He served as Vice Chancellor for Academic Affairs, Dean of the College of Engineering and Chair of Electrical Engineering Department at A&T.



L-R: Dr. Godfrey Uzochukwu, Provost Alton Thompson and Rita Stubblefield

Department of Energy Awards \$450,000 to A&T For WMI Programs

Rita Stubblefield of the United States Department of Energy, Savannah River Office announced an award in the amount of \$450,000 for the Interdisciplinary Waste Management Institute of A&T at the WMI Certificate Ceremony on Friday, May 8, 2009. She delivered the keynote address to WMI certificate recipients who have completed degree requirements in their majors. The grant will be used to train students for Green jobs in the 21st century and also expand interdisciplinary, environmental and waste

management education, research and technology transfer to include Environmental Ethics, Environmental Justice, GIS for Environmental Management and 40 Hour Hazmat Training components at North Carolina A&T State University. The United States of America has an ever-increasing need for well-trained environmental professionals in engineering, business, technology, communications, education, public policy, public health, economics, and science to meet the environmental demands of the future.



Interdisciplinary Waste Management Institute

DR. GODFREY UZOUCHUKWU
Director, WMI

DR. KENNETH MURRAY
Associate Vice Chancellor

DR. ALTON THOMPSON
Interim Provost

DR. HAROLD MARTIN
Chancellor

Funded by DOE-SRS



REUSE REDUCE RECYCLE REDESIGN REIMAGINE





Certificate recipient and Dr. Uzochukwu

Motivated Graduating Seniors and Graduate Students Receive Waste Management Certificates

Forty three graduating seniors (BA/BS) received the Waste Management Certificate in December 2008 and May 2009 at special ceremonies. The graduating seniors completed a minimum of 18 credit hours of environmental/waste management courses, an essay connecting waste management to their majors and career paths, waste management capstone seminar and a creative project. Additionally, fifteen graduate students (MS) received the Advanced Waste Management Certificate in December 2008 and May 2009 at special ceremonies. The advanced certificate recipients completed a minimum of 12 credit hours of waste management courses, advanced waste management capstone seminar and an advanced creative project. The Waste Management Certificate highlights the training of our students in environmental security and waste management issues. The certificate complements the undergraduate and graduate training at North Carolina A&T State University.

Keywana Darden	Biology
Hakeem-Kasimu Graham	Elementary Education
Kyle Saunders Hobson	Earth & Environmental Sciences
Adrian Kingsberry	Laboratory Animal Science
Jacque Lee Lopez	Electronic and Computer Technology
Joel T. Maul	Chemical Engineering
Clever Kymian Parran	Biology
Bobby Steven Leroy Pearson	Management
Renita Katiya Rowe	Psychology
Shenna Marie Shearin	Chemistry
Chiamaka E. Umezulike	Earth & Environmental Science
Christopher David Walburn	Chemical Engineering
Randy Amoako	Animal Science
Anassou M. Banna	Biological Engineering
Deidre M. Bartley	Architectural Engineering
Alransan T. Blakeney	Transportation Logistics
Ashley A. Coleman	Architectural Engineering
Shavonne A. Dixon	Biology
Stanisha E. Ellis	Accounting
Frank S. Gronwald	Biological Engineering
Lisa L. Hackney	Management
Veronica C. Harrison	Family & Consumer Sciences
Danielle S. Hemingway	Mechanical Engineering
Brittany C. Hunt	Animal Science
Richard B. James	Landscape Architecture
Jessica Johns	Nursing
Tierra M. Kershaw	Animal Science
Crystana L. Lattimore	Management
Shannon W. Landvater	Biology
Courtney M. Lawrence	Landscape Architecture
Boureima Laya	Chemical Engineering
Brian Q. Lee	Civil Engineering

Leroy V. Mikell III	Journalism
Tshikudi Moembo	Economics
Valosha A. Odom	Transportation Logistics
Renee C. Styron	Electrical Engineering
Lim Thach	Mechanical Engineering
Tracey Y. Thompson	Sociology
Lemnique Wafer	Laboratory Animal Science
Tia L. White	Journalism
Alana D. Wilkinson	Civil Engineering
Larrina Williams	Laboratory Animal Science
Taccara N. Williams	Civil Engineering



L-R: Dr. Godfrey Uzochukwu, Rita Stubblefield and Provost Alton Thompson

Advanced Waste Management Certificate Recipients



Dr. Kenneth Murray

Amanee G. Ali	Plant, Soil & Envi Science	Ashleigh Taylor	Biology
Godwin Assumaning	Civil Engineering	Aliyyah N. Bragg	Biology
Briean Griggs	Civil Engineering	Richard Farris	Plant, Soil, Env Science
Nichole B. Herndon	Chemical Engineering	Teshome M. Feyessa	Electrical Engineering
N. A. K. Headactul Islam	Civil & Environmental Eng	Sara A. Mohamed Ali	Civil Engineering
Winfred Bruce Locus Jr.	Civil Engineering	Latesha S. Taylor	Biology
Stephani Cyrisse Page	Biology	Timika M. Williams	Chemistry
Carol Rikard	Food & Nutritional Science		

Environmental Career Paths for Graduates Who Received the WMI Certificate

MAJOR

Education Majors
Business Majors
Economics Majors
Biology Majors
Chemistry Majors
Engineering Majors
Journalism
Communication
Political Science Majors
Psychology Majors
Sociology Majors
Nursing Majors
Construction Mgmt Majors
OSHA Majors
Mathematics Majors
Physics Majors
Animal Science Majors
Landscape Architecture Majors
Other Science Majors

CAREER PATH

Environmental Education
Environmental Business
Environmental Economics
Environmental Biology
Environmental Chemistry
Environmental Engineering
Environmental Journalism
Environmental Communication
Environmental Policy/Politics
Environmental Psychology
Environmental Sociology
Environmental Health/Occupational Safety
Environmental Safety
Environmental Safety
Environmental Mathematics/Statistics
Environmental Physics
Environmental Health and Science
Environmental Design
Environmental Science/
Environmental Consultants

Savannah River Site (SRS)

Department Of Energy

On September 12, 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 (WMI) with a \$1.4 million grant. The WMI was approved in June 1994 by the General Administration of the University of North Carolina. The SRS recently awarded a three year grant in the amount of \$450,000 for expanding WMI's programs.

Interdisciplinary WMI Scholarship Recipients (\$30,000) (GPA: 3.00-4.00) Dept. of Energy – Savannah River Site

<u>NAME</u>	<u>MAJOR</u>	<u>CLASSIFICATION</u>	<u>AMOUNT</u>
Allen, Sean M.	Civil Engineering	Junior	\$700
Baidoo, Ransford R.	Energy & Enviro Studies	PhD	\$2,200
Beecher, Sanjay O.	Industrial Engineering	Junior	\$900
Brown, Kimberly N.	Architectural Engineering	Junior	\$900
Davis, Daniel A.	Political Science	Senior	\$900
Evangelist, Rodrick R.	Civil Engineering	Junior	\$700
Griggs, Briean G.	Civil Engineering	MS	\$1,000
Gronwald, Frank S.	Biological Engineering	Senior	\$700
Hobson, Kyle S.	Earth & Envi Science	Senior	\$900
Hodges, Britney S.	Sociology	Senior	\$700
Ingram, Shawntesha L.	Architectural Engineering	Senior	\$700
James, Richard B.	Landscape Architecture	Senior	\$900
Juma, Robert O.	Environmental Science	MS	\$800
Lee, Brian Q.	Civil Engineering	Senior	\$700
Locus, Winfred B.	Civil Engineering	MS	\$1,000
Mohamed, Kamil E.	Earth Science	Senior	\$900
Murray, Nichol S.	Biology	MS	\$1,000
Nwachukwu, Raymond S.	Environmental Science	MS	\$1,000
Owuor, Daniel R.	Mechanical Engineering	Sophomore	\$700
Pelham, Bree L.	Civil Engineering	Junior	\$700
Powers, Kia S.	Elementary Education	Junior	\$700
Raines, Timothy A.	Biology	MS	\$1,000
Wanko, Patrick T.	Electrical Engineering	MS	\$ 800
Wardlow, David E.	Civil Engineering	Sophomore	\$700
White, Tia L.	Communications	Senior	\$700
Wilkinson, Alana D.	Civil Engineering	Senior	\$1,600
Williams, Taccara N.	Civil Engineering	Senior	\$700
Williams, Timika M.	Chemistry	MS	\$1,800
Williams-Purcell, Lakeisha	Communications	Sophomore	\$700
Wolde Tsadik, Addisu M.	Civil Engineering	Senior	\$700
Workineh, Abraham T.	Electrical Engineering	Graduate	\$800
Young, Carmen D.	Earth & Envi Science	Junior	\$900

2008/2009

Interdisciplinary

Environmental and Waste Management Guest Lectures

Rick Crume, US EPA, RTP, NC

Air Pollution and Aging America

Lloyd Hackley, Hackley & Associates

Ethics of Environmental Justice

Mike Hall, O'Brien & Gere

Environmental Assessment

Rick Matkins, Republic Services

Greg Duhon, Republic Services

Operation of Landfills

Vincent Adams, US Department of Energy

Groundwater Contaminants

Ed Hood, Allied Waste

Operation of Landfills

Steve Roland, O'Brien & Gere

John Supton, O'Brien & Gere

Corporate Environmental Ethics

Keith Schimmel, A&T

Energy & Environmental Studies PhD

Program at A&T

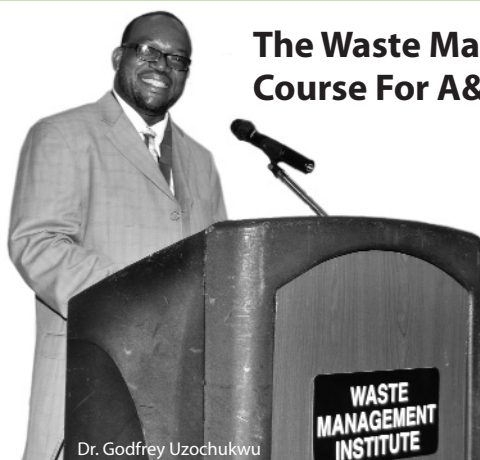
Rita Stubblefield, DOE-Savannah

River Office

Career Opportunities

Partnership with the City of Greensboro

The Environmental Services Department of the City of Greensboro, North Carolina has agreed to partner with the University. The City will charge \$60 per month to collect recyclables from various designated locations on campus. The City will also assist the University with waste audits, inspection of waste streams, determination of service levels/locations and quantification of impact. The City of Greensboro is currently assisting Guilford College and Greensboro College with their recycling program.



Dr. Godfrey Uzochukwu

The Waste Management Institute (WMI) Implements a Hazmat Training Course For A&T Students

Students who complete the 40 Hour Hazmat Training Course will receive a 40 Hour Hazmat Training Certificate in addition to a course grade. The hazmat course (WMI 629) is designed for advanced science, social science, engineering, and technology students who need additional course work to expand their knowledge of the hazardous materials and regulations. WMI 629 complements other waste management capstone courses (WMI 333, WMI 617 and WMI 747) and prepares

students for green jobs. Completion of degree requirements, capstone seminars, course work, essay, 101 environmental questions and a creative project are required to receive the Waste Management Certificate. The WMI Certificate highlights the training of A&T students in environmental security and waste management issues and complements the undergraduate and graduate training.

WMI Interdisciplinary Program Committee

Members

Dr. Derrek Dunn, Technology
 Dr. Vereda King, Business & Economics
 Ayanna Boyd-Williams, Graduate Studies
 Dr. Samuel Moseley, Arts & Sciences
 Dr. Patricia Price Lea, Nursing
 Dr. Stephanie Luster-Teasley, Engineering
 Dr. Godfrey Uzochukwu, WMI
 Dr. Erika Williams, Education
 Ron Bailey, Engineering
 Dr. Tracy Hanner, Agriculture and Environmental Sciences
 Dr. Linda Florence Callahan, Arts & Sciences
 Dr. Shona Morgan, Business & Economics
 Dr. Regina Williams, Arts & Sciences
 Angela Smith, WMI

WMI Partnerships with Agencies

2008 EPA INTERNS

Bright Abonuhi, *Energy and Environmental Studies*
 Aaron LaVar Bell, *Political Science*
 Tiffiney Benton, *Political Science*
 Chantini Collins, *Computer Science*
 Kevin Lloyd, *Industrial Engineering and Mathematics*
 Melinda Valentin, *Nursing*
 Alysica Graves, *Political Science*
 Carmen Young, *Environmental Science*
 Brian Waring, *Electrical Engineering*

O'BRIEN & GERE 2008 INTERNSHIP

Asanti Hepburn, *Civil Engineering*

ARMY CORP OF ENGINEERS

2008 INTERNSHIP

Shawntesha Ingram, *Architectural Engineering*

ENVIRONMENTAL Leadership at A&T

A&T has assumed a leadership role in addressing the State's energy and environmental sustainability challenges.

Sustainability – “development that meets the needs of the present without compromising the ability of future generations to meet their own needs.” Sustainability incorporates Mission, Learning, Discovery, Engagement and Operational Excellence

EXPECTED OUTCOMES

- Waste Reduction and Recycling Initiative
- Environmental Recyclable Purchasing
- Comprehensive master plan that incorporates sustainability principles related to infrastructure, natural resources, site development and community impact
- Capital project planning process that delivers energy, water, and materials efficient buildings that minimize the impact on and/or enhance the site and provide good indoor environmental air quality for occupants
- University informational sustainability Blog and Website
- Strategic Energy Plan report
- Monthly energy report of campus utilities (consumption in dollars)
- Water consumption report
- Annual water use report
- Fossil fuel displacement plan report
- Incidental reporting of spill and chemical release

Noteworthy

Graduates of the WMI certificate program are well rounded and prepared to wear more than one “hat” in the workplace. Students have gained extra knowledge in waste management; are exposed to waste management topics in lectures, laboratories, seminars and projects; collaborate in waste management activities and are well prepared to actively participate in community environmental problem solving.

National Council for Science and the Environment

North Carolina A&T State University is a member of the National Council for Science and the Environment. The purpose is to advance environmental science endeavors and provide services to faculty and students.

Waste Management Educational Outreach Projects

Pre-College Workshop on Environmental Technology and Waste Management

The above workshop was conducted for one hundred (100) high school juniors and seniors and teachers in Agriculture, Business and Engineering at NC A&T in June and July 2008. The theme of the workshop was “Environmental Technology and Waste Management.”

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Nettie Rowland
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We welcome creative ideas
 that are suitable for inclusion
 in the **EnviroNews**.

Send a brief summary of
 your ideas to:

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North Carolina A&T State University is a
 land-grant doctoral/research intensive
 institution and AA/EEO employer

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.

A&T 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.

WMI Mission

Enhance awareness and
 understanding of waste
 problems and their
 management in our
 society and develop
 programs to improve
 the quality of life
 and protect the
 environment.

2,000 copies of this public document were printed at a cost of \$568.00 or 0.2500 per copy.



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