



ENVIRONNEWS®

Waste Management Institute

NORTH CAROLINA AGRICULTURAL & TECHNICAL STATE UNIVERSITY

VOLUME 12 NO. 12 • SUMMER 2007

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

Inside

New Chancellor.....	1
WMI Core Courses.....	1
Outstanding Graduates.....	2
Certificate Recipients.....	2
Partnership at WMI Ceremony Announced...3	
A&T to Host 3rd National Conference.....	3
WMI Scholarships.....	3
WMI Outreach Projects.....	4
2006/07 Guest Lectures.....	4



DR. GODFREY UZOUCHUKWU
Director, WMI

DR. KENNETH MURRAY
Associate Vice Chancellor

**Interdisciplinary
Waste
Management
Institute**

DR. JANICE BREWINGTON
Interim Provost

DR. STANLEY BATTLE
Chancellor

Funded by DOE-SRS

New Chancellor Ready To Make A&T the Finest Educational Institution in the Country



Dr. Stanley Battle

Dr. Stanley Battle, former president of Coppin State University has been named Chancellor of A&T effective July 1, 2007. Dr. Battle led Coppin State University from 2003 until his A&T appointment. In recommending Dr. Battle to the UNC Board of Governors, UNC President Erskine Bowles said: "Battle has the ability, desire, energy and vision to take A&T to the next level." As president of Coppin State University, Battle has been credited with strengthening academic programs and aggressively seeking adequate operating and capital support from the Maryland State legislature.

The Waste Management Institute (WMI) Adds Environmental Ethics to the list of Waste Management Certificate Core Courses

An Environmental Ethics and Philosophy course (WMI 617) has been added to the list of Waste Management Certificate courses. The ethics course is designed for senior and graduate level science, social science, engineering, technology and other students

who desire additional course work to expand their knowledge of the environmental science and waste management ethics. WMI 617 will be implemented in August 2007 and will complement two waste management capstone seminars (WMI 333) and (WMI 747). Completion of degree requirements, capstone seminars, course work, essay, 101 environmental questions and 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.



Dr. Godfrey Uzochukwu



REUSE REDUCE RECYCLE



Outstanding Graduating Seniors and Graduate Students Receive Waste Management Certificates



Sixty seven (67) graduating seniors (BA/BS) received the Waste Management Certificate in December 2006 and May 2007 at special ceremonies. The graduating seniors completed degree requirements, required WMI course work, essay, capstone seminar, 101 environmental questions and creative project. Additionally, thirteen (13) graduate students (MS) received the Advanced Waste Management Certificate in December 2006 and May 2007 at special ceremonies. The advanced certificate recipients completed degree requirements, required advanced course work, advanced waste management capstone seminar and advanced creative project. The keynote address for May 2007 certificate ceremony was delivered by Patrick McNulty, Senior Vice President of Allied Waste, a \$6 billion Environmental Industry. The Waste Management Certificate highlights the training of A&T students in environmental security and waste management issues and also complements the undergraduate and graduate training at North Carolina A&T State University.

Cory Adams	Chemical Engineering
Leah Akins	Laboratory Animal Science
Brandynn Alston	Laboratory Animal Science
Crystal Artis	Animal Science
Paul Bangha	Construction Management
John Cole	Psychology
Kwane Drabo	Political Science
Stephan Hudson	Electronics & Computer Technology
Amber Jarman	Animal Science
Shapera Knight	Laboratory Animal Science
Julian Mercer	Occupational Safety & Health
Adrian Mills	Landscape Architecture
Heather Morgan	Laboratory Animal Science
Kay Praviseth	Liberal Studies (Interdisciplinary)
Ronald Snipes	Psychology
Michael Walker	English
Autumn Banks	Economics
Robin Beam	Animal Science
Eric Brown	Industrial Engineering
Justin Byron	Finance
Corey Caldwell	Chemistry
Avis Carter	Nursing
Lisa Colvin	Laboratory Animal Science
Peace Darku	Nursing
Eric Davis	Accounting
Letitia DeLaine	Chemistry
Alan Gillespie	Biological Engineering
Lucinda Johnson	Health Science
Latoya King	Business Management

La'Toya Lane	Laboratory Animal Science
James Lewis Jr.	Construction Management
Phyllis Madrey	Nursing
Stephanie McFadden	Laboratory Animal Science
Vincent Morehead	Chemical Engineering
Shameerah McQueen	Elementary Education
Kenneth Mullins	Industrial Systems
Oscar Mvula	Chemical Engineering
Maud Acquah Nelson	Nursing
Michael Williams-Pearson	Earth & Environmental Sciences

Wilbert Perry Jr.	Political Science
Megan Pinkney	Political Science
Dennis Portee	Psychology
Shandra Richardson	Animal Science
Jessica Robinson	Political Science
Shavonna Simmons	Psychology
Victoria Solomon	Elementary Education
Leslie Summers	Political Science
Melody Thomas	Animal Science
Katima Underwood	Laboratory Animal Science
Melinda Valentin	Nursing
Karen Wall	Political Science
Linda Wesson	Liberal Studies
Michelda West	Nursing
Derek White	Electronic Technology
Amber Wilkins	Animal Science
Sabrina Wilson	Political Science
Kimberly Wright	Nursing

Advanced Waste Management Certificate Recipients

Farouk Banna	Civil Engineering
Henry Lutterodt	Agricultural Econ/Agribusiness
Ashleigh Taylor	Biology
Yi Wang	Civil Engineering
Sylvester Addy	Plant Soil & Enviro Sci
Tomara Bogans	Occupational Safety & Health
Cynthia B. Bryant	Civil Engineering
Steven Cannon	Plant Soil & Environmental Science
Briannica Daye	Occupational Safety & Health
Jennifer Dominick	Occupational Safety & Health
Moussa Ousmane	Ag. Economics (International Trade)
Nneka Ubaka-Blackmore	Civil & Environmental Engineering
Omar Whitfield	Occupational Safety & Health

Environmental Career Paths for Graduates Who Received the WMI Certificate

Major	Career Path
Education Majors	Environmental Education
Business Majors	Environmental Business
Economics Majors	Environmental Economics
Biology Majors	Environmental Biology
Chemistry Majors	Environmental Chemistry
Engineering Majors	Environmental Engineering
Journalism	Environmental Journalism
Communication	Environmental Communication
Political Science Majors	Environmental Policy/Politics
Psychology Majors	Environmental Psychology
Sociology Majors	Environmental Sociology
Nursing Majors	Environmental Health/ Occupational Safety
Construction Mgmt Majors	Environmental Safety
OSHA Majors	Environmental Safety
Mathematics Majors	Environmental Mathematics/ Statistics
Physics Majors	Environmental Physics
Animal Science Majors	Environmental Health and Science

WMI Partnerships with Agencies

United States Environmental Protection Agency

The Environmental Protection Agency (USEPA) and North Carolina A&T State University (NCA&T) signed a Memorandum of Understanding in December 1992. Funding for interns from 1992-2006 is estimated at more than 1.8 million.

2006 USEPA Summer Interns: Kimberly Sawyer, Anthony Allen, Angela Edwards, Faith Eze, Kevin Lloyd, Kyunda McKnight, Lisa Means

Allied Waste Executive Announces Partnership at WMI Certificate Ceremony



Pat McNulty

Allied Waste (AW) has selected the Waste Management Institute of North Carolina A&T State University as a partner to help advance diversity within Allied Waste organization. The announcement was made by Allied Waste's Senior Vice President Patrick McNulty at the May 11, 2007 Waste Management Certificate Ceremony. The partnership includes two \$5000 scholarships, two internships, guest lectures and employment of A&T graduates. "This is beneficial to A&T and AW," said McNulty.

A&T To Host a 3rd National Conference on Environmental Science and Technology

A&T will host a Third National Conference on Environmental Science and Technology (www.ncat.edu/~wmi/conference/conf.html) on September 12-14, 2007 in the Alumni Foundation Events Center of North Carolina A&T State University, Greensboro, North Carolina. The purpose of the conference is to provide a forum for US Department of Energy, US Environmental Protection Agency, National Science Foundation, National Oceanic and Atmospheric Administration, other Federal Agencies, Industrial Technology Users and Colleges/Universities to address pollution prevention problems, solutions and research needs. Conference topics include but not limited to Bioremediation, Fate and Transport of Contaminants, Pollution Prevention, Innovative Environmental Technologies/Sensors, Global Climate Change and Environmental Justice/Ethics.

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 five year grant in the amount of \$615,000 for enhancement of WMI infrastructure.

Interdisciplinary WMI Scholarship Recipients

(GPA: 3.00-4.00) Dept. of Energy – Savannah River Site

<u>Name</u>	<u>Major</u>	<u>Classification</u>	<u>Amount</u>
Addy Sylvester	Plant, Soil & Env Sc	Graduate (MS)	\$1,000
Dominik Jennifer	OSHA	Graduate, (MS)	\$1,000
Dwivedi, Dipankar	Energy & Environmental Studies	Graduate (PhD)	\$1,000
Furmore, Gomez	Civil Engineering	Graduate (MS)	\$1,000
Jarman, Amber	Animal Science	Senior	\$1,000
Mitchell, Carrie	Civil Engineering	Graduate (MS)	\$1,000
Solomon, Victoria	Education	Senior	\$1,000
Thweatt, Ashley	Architectural Engr	Junior	\$1,000
Tse, Tom	Food Science	Graduate (MS)	\$1,000
Walker, Michael	English	Senior	\$1,000
Williams, Ryan	Earth & Envir Sci	Junior	\$1,000
Amos, Olajimi	Industrial Engr	Junior	\$1,000
Amponsah, Gifty	Nursing	Senior	\$1,000
Atilola, Olabiyi	Science	Senior	\$1,000
Caldwell, Corey	Chemistry	Senior	\$1,000
Davis, Karen	Plant, Soil, & Environ. Science	Graduate (MS)	\$1,200
Daye, Briannica	Industrial Technology	Graduate (MS)	\$1,200
Gillens, April	Biological Engineering	Freshman	\$1,000
Gordon, Desiree	Civil & Environ. Engineering	Graduate (MS)	\$1,200
Hobson, Kyle	Earth & Environ. Science	Junior	\$1,000
Hoxter, Jonathan	Chemical Engineering	Freshman	\$1,000
Hudson, Stephan	Computer Science	Graduate (MS)	\$1,200
Ingram, Shawntesha	Architectural Engineering	Sophomore	\$2,000
McNeill, Tiffany	Elementary Education	Senior	\$1,000
McQueen, Shameerah	Elementary Education	Senior	\$2,000
Mickens, Matthew	Earth & Environ. Science	Graduate (MS)	\$1,200
Mvula, Oscar	Chemical Engineering	Senior	\$1,000
Peay, Katif	Energy & Environ. Studies	Graduate (PhD)	\$1,500
Powell, C. Davis	Chemical Engineering	Freshman	\$1,000
Randall, Stephen	Energy & Environ. Studies	Graduate (PhD)	\$1,500
Steuer, Richard	Civil Engineering	Graduate (MS)	\$2,200
Suda, Katherine	Biological Engineering	Senior	\$1,000
Taylor, Kurt	Plant, Soil, & Environ. Science	Graduate (MS)	\$2,200
Ubaka-Blackmoore Nneka	Civil Environ. Engineering	Graduate (MS)	\$1,200
Umezulike, Chiamaka	Earth & Environ. Science	Junior	\$1,000
Valentin, Melinda	Nursing	Senior	\$1,000
West, Michelda	Nursing	Senior	\$1,000
Williams, Taccara	Civil Engineering	Sophomore	\$1,000
White, Tia	Journalism & Mass Communication	Sophomore	\$1,000
Whitfield, Omar	OSHA	Graduate (MS)	\$1,200
Stewart, Crystal	Civil Engineering	Graduate (MS)	\$1,200

Total **\$48,000**

CDM

Two Scholarships recommended for WMI Student of Junior or Senior Standing

- \$8,000 Scholarship for 2007/08 Academic Year and Summer Internship
- \$8,000 Scholarship for 2007/08 Academic Year and Summer Internship
- Consider a second Junior/Senior Scholarship for the 2008 Fall Semester, contingent on success of first scholarship effort

Allied Waste

(A) Scholarship:

- Recommended WMI Student of Junior/Senior Year Standing
- \$5,000 Scholarship for 2007-08 Academic Calendar
- \$2,500 for 2007 Fall Semester
- \$2,500 for 2008 Spring Semester
- Scholarship Continuation for Senior Year for Same Student contingent on meeting criteria
- \$2,500 for 2008 Fall Semester
- \$2,500 for 2009 Spring Semester
- Consider a second Junior/Senior Scholarship for the 2008 Fall Semester, contingent on success of first scholarship effort

Global Climate Change Commission

Professor Godfrey Uzochukwu, PhD, director of the Interdisciplinary Waste Management Institute at North Carolina A&T State University, is a member of the North Carolina Commission on Global Climate Change. The 34 member commission studies issues related to global climate change and its potential effects on the state of North Carolina.

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.

NC Project Green

A&T participates in the activities of NC Green Project. The University is involved in NC Project Green regarding sustainability actions in state government.

Waste Management Educational Outreach Projects Pre-College Workshop on Environmental Technology and Waste Management

The above workshop was conducted for one hundred and twenty seven (127) high school juniors and seniors and teachers in Agriculture, Business and Engineering at NC A&T in June and July 2006. The theme of the workshop was "Environmental Security and Waste Management."

2006/2007 Interdisciplinary Environmental and Waste Management Guest Lectures

Phyllis Wright, US EPA, RTP, NC

USEPA Internship Program

Lloyd Hackley, A&T

Ethics of Environmental Justice

Keith Schimmel, A&T

Advanced Responsible Hydrocarbon Development in West Africa

John Sutphen, O'Brien & Gere

Environmental Ethics

Steve Roland, O'Brien & Gere

Environmental Ethics and Environmental Business

Mike Hall, O'Brien & Gere

Geographic Information System for Waste Management

Kenneth Gann, Allied
Waste Industries

Operation of Landfills

Edward Hood, Allied

Waste Industries

Basic Concepts of

Landfills

Richard V. Crume,

USEPA

Air Pollution And

Aging America

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.

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. Ereka Williams, Education

Ron Bailey, Engineering

Dr. Tracy Hanner, Agriculture and Environmental Sciences

Dr. Linda Florence Callahan, Arts & Sciences

Dr. Shona Morgan, Business & Economics

Cheryl Bowers, Program Assistant

Editorial Committee:

Dr. Godfrey Uzochukwu
Professor & Director of WMI

Nettie Rowland

Assistant Director of
Public Information

Cheryl Bowers

Program Assistant, WMI

Sheena Shearin

Research Assistant, WMI

Allyson Alston

Ph.D. Intern

From the Editorial Staff

For more information about
the Waste Management
Institute call, fax or write
Director

Waste Management Institute
NC A&T State University
Greensboro, NC 27411

(336) 334-7030

FAX (336) 334-7399

E-mail: uzo@ncat.edu

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WMI, Carver Hall 261
NCA&TSU

Greensboro, NC 27411

(336) 334-7030

FAX (336) 334-7399

E-mail: uzo@ncat.edu

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.



REUSE REDUCE RECYCLE

