

March 19, 2003

The Honorable Rod Paige
Secretary of Education
U.S. Department of Education
Washington, D.C. 20202

Dear Mr. Secretary:

In response to your February 14, 2003, letter, I enclose the Nuclear Regulatory Commission's (NRC's) Fiscal Year 2002 Annual Federal Performance Report on Executive Agency Actions to Assist Historically Black Colleges and Universities (HBCU). The report reflects NRC's continuing efforts to assist HBCUs through the Faculty and Student Research Participation Program, which is conducted under a Cooperative Agreement with the Oak Ridge Institute for Science and Education. As requested, I have forwarded the report to the White House Initiative on HBCUs.

If you have questions regarding this report or the NRC's HBCU Program, please contact Ms. Corenthis Kelley, Acting Director, Office of Small Business and Civil Rights, at (301) 415-7380 or CBK@NRC.gov.

Sincerely,

/RA/

Richard A. Meserve

Enclosure: FY 2002 Annual Federal Performance Report
for Historically Black Colleges and Universities

cc: White House Initiative on HBCU's
U.S. Department of Education
1990 K Street, N.W., 8th Floor
Washington, D.C. 20106-5120

**U.S. NUCLEAR REGULATORY COMMISSION
ANNUAL FEDERAL PERFORMANCE REPORT
FISCAL YEAR 2002
HISTORICALLY BLACK COLLEGES AND UNIVERSITIES (HBCUs)**

A. EXECUTIVE SUMMARY

Goals and Objectives

The Nuclear Regulatory Commission's (NRC's) Historically Black Colleges and Universities (HBCU) Faculty and Student Research Participation Program is conducted under a Cooperative Agreement with the Oak Ridge Institute for Science and Education. NRC's program enables HBCU faculty and students to conduct technical research and development activities on campus and at U.S. Department of Energy (DOE) facilities, where a substantial portion of NRC's research and technical assistance activities are performed.

The principal goals of this program are to enhance academic studies in science, mathematics, and engineering and to increase the number of available scientists, engineers, and related professionals. Participants concentrate on research and development work that directly support NRC's mission.

Program Activities

During the fiscal year, the program continued to focus on assigning HBCU faculty, graduate, and undergraduate students to NRC technical assistance projects performed at DOE laboratories. The program continues to provide HBCU students and faculty opportunities to work with state-of-the-art research techniques and conduct research in a nationally recognized laboratory. The types of projects in which participants were involved include issues associated with synthesis of precursors and models for the immobilization of technetium nuclear waste; boiling water reactor stability; and the economic analysis of the fabrication of spent fuel storage, transportation, and disposal casks that use DUCRETE and CerMets made with depleted uranium oxide. Our emphasis for FY 2003 and beyond will be increasing the number of student participants.

Total HBCU Awards and Comparisons to Previous Fiscal Year

During Fiscal Year 2002, a total of \$399,112 was available for the NRC HBCU Program. Actual amount expended was \$283,135 and involved 27 recipients (12 faculty and 15 students) from 15 different HBCUs. The remaining \$115,977 will be expended during Fiscal Year 2003 as work is completed for on-campus research projects that were initiated in Fiscal Year 2002. For Fiscal Year 2001, a total of \$179,354 was expended for participation by 11 recipients (8 faculty and 3 students) from 9 different HBCUs.

B. SUMMARY OF TOTAL AGENCY AWARDS BY CATEGORY

Attachment A presents the total awards (i.e., amount expended).

C. TABLE OF AGENCY AWARDS TO HBCUs, BY INSTITUTION AND CATEGORY

Attachment B presents a listing of NRC awards to each HBCU by category.

D. AWARDS TO HBCUs AND NARRATIVE INFORMATION

Attachment C is NRC's HBCU recipient list, which includes their major field of study, location of research project, and award amount.

SUMMARY OF TOTAL AWARDS TO HBCUs, BY CATEGORY: FY 2002

1. U.S. Nuclear Regulatory Commission
AGENCY

2. Corenthis Kelley /RA/ Acting Director, Office of Small Business and Civil Rights

NAME/SIGNATURE OF REPRESENTATIVE

TITLE

3. TOTAL UNIVERSE OF FUNDS FOR INSTITUTIONS OF HIGHER EDUCATION (IHEs)
\$4,600,000

CATEGORY	AWARDS TO IHE+	AWARDS TO HBCUs*	Awards to HBCUs as % of total Awards to IHE
1. Research & Development	\$4,600,000	\$283,135	6.1%
2. Program Evaluation			
3. Training			
4. Facilities and Equipment			
5. Fellowships, Traineeships, Internships, Recruitment, and IPAs			
6. Student Tuition Assistance, Scholarships, and Other Aid			
7. Direct Institutional Subsidies			
8. Third Party Awards			
9. Private Sector Involvement			
10. Administrative Infrastructure			
11. Other			
Total	\$4,600,000	\$283,135	6.1%

Richard A. Meserve, Chairman, U.S. Nuclear Regulatory Commission
Agency Head (Typed)

/RA/

Agency Head (Signature)

+IHE = Institutions of Higher Education

*HBCUs = Historically Black Colleges and Universities

ENCLOSURE 1, ATTACHMENT A

**U.S. Nuclear Regulatory Commission
HBCU PARTICIPANT LIST
Fiscal Year 2002**

HBCU and Participants	(S)*	(F)*	Discipline	Research Locations	Total
Albany State University					
Clay, Ms. LaShunda	1		Computer Science	New Brunswick Lab	6,441.68
Alcorn State University					-
Aceil, Dr. Sam		1	Nuclear Engineering	On-Campus	15,526.23
Wyatt, Marcus	1		Industrial Technology	On-Campus	8,499.81
Benedict College					
Whitney, Mr. Kofi	1		Computer Science	ORNL	6,865.84
Bennett College					
Basavaraju, Sekhara Dr.		1	Biology	ORNL	12,363.34
Clark Atlanta University					
Chen, Dr. Di-Wen		1	Geomechanics	ORNL and On-Campus	21,380.97
Pierre, Dr. Charles		1	Mathematical Science	ORNL	15,039.32
Dillard University					
Wilson, Ms. Luciana	1		Computer Science	New Brunswick Lab	8,090.56
Fort Valley State University					
Rushin, Mr. Bobby	1		Electrical Engineering Technology	New Brunswick Lab	6,488.00
Grambling State University					
Johnson, Mr. Clifton	1		Computer Information Systems	New Brunswick Lab	6,658.28
Morgan State University					
Mandal, Dr. Santosh		1	Chemistry	On-Campus	3,574.48
Nettles, Mr. Columbus	1		Chemistry	On-Campus	6,734.19
Lee, Seong		1	Mechanical Engineering	On-Campus	16,342.39
North Carolina A&T State University					
Blue, Mr. Shawn	1		Chemical Engineering	New Brunswick Lab	8,114.86
Hamilton, Ms. Meeca	1		Chemical Engineering	ORNL	8,355.09
Prairie View A&M University					
Gabitto, Dr. Jorge		1	Chemical Engineering	ORNL	16,113.42
Haug, Dr. Tian-Sen		1	Nuclear Physics	On-Campus	24,781.73
Dillon, Mr. Verniss	1		Electrical Engineering	On-Campus	5,949.43
Sims, Mr. Jason	1		Mechanical Engineering	On-Campus	7,272.92

**U.S. Nuclear Regulatory Commission
HBCU PARTICIPANT LIST
Fiscal Year 2002**

HBCU and Participants	(S)*	(F)*	Discipline	Research Locations	Total
South Carolina State University					
Basher, Dr. Hasanul		1	Electrical Engineering	ORNL	13,491.20
Isa, Dr. Saliman		1	Electrical Engineering	ORNL	19,736.64
Southern University at Baton Rouge					
Joshi, Dr. G.		1	Mechanical Engineering	On-Campus	16,366.29
Goins, Mr. Johnathan	1		Mechanical Engineering	On-Campus	2,754.67
McKinney, Mr. Joshua	1		Mechanical Engineering	On-Campus	4,131.99
Tuskegee University					
Cox, Mr. Denard	1		Electrical Engineering	NBL	6,438.46
West Virginia State University					
Gobovic, Dr. Desa		1	Electrical Engineering	ORNL and On-Campus	13,266.72
Pouncy, Mr. Dorion	1		Electrical Engineering Technology	ORNL and On-Campus	2,357.01
Total Participants	15	12			283,135.52
* S: Student; F: Faculty					