

EDO Principal Correspondence Control

FROM: DUE: 12/13/11 EDO CONTROL: G20110835
DOC DT: 11/29/11
FINAL REPLY:

George Scott, GAO

TO:

Borchardt, EDO

FOR SIGNATURE OF : ** GRN ** CRC NO:

DESC:

Review/Comment on Statement of Fact and Summary
Regarding STEM Education Programs (131046)
(EDATS: OEDO-2011-0764)

ROUTING:

Borchardt
Weber
Virgilio
Ash
Mamish
OGC/GC
Dyer, CFO
Cohen, HR
Kelley, SBCR

DATE: 11/30/11

ASSIGNED TO: CONTACT:

EDO Arildsen
ADM Greene

SPECIAL INSTRUCTIONS OR REMARKS:

ADM to review and provide consolidated comments in coordination with CFO (Jennifer Golder), HR (James Morris), and SBCR (Tuwanda Smith), via email to Jesse Arildsen, OEDO by December 9, 2011. Jesse Arildsen to obtain DEDCM review and inform Commission CAs prior to sending email response to GAO by December 13, 2011.

Template: EDO-001

E-RIDS: EDO-01

EDATS

Electronic Document and Action Tracking System

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Source: OEDO

General Information

Assigned To: OEDO

OEDO Due Date: 12/13/2011 11:00 PM

Other Assignees: ADM 12/9/2011

SECY Due Date: NONE

Subject: Review/Comment on Statement of Fact and Summary Regarding STEM Education Programs (131046)

Description:

CC Routing: CFO; HR; SBCR

ADAMS Accession Numbers - Incoming: NONE

Response/Package: NONE

Other Information

Cross Reference Number: G20110835, GAO 131122

Staff Initiated: NO

Related Task:

Recurring Item: NO

File Routing: EDATS

Agency Lesson Learned: NO

OEDO Monthly Report Item: NO

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Sensitivity: None

Urgency: NO

Approval Level: No Approval Required

OEDO Concurrence: NO

OCM Concurrence: NO

OCA Concurrence: NO

Special Instructions: ADM to review and provide consolidated comments in coordination with CFO (Jennifer Golder), HR (James Morris) and SBCR (Tuwanda Smith), via email to Jesse Arildsen, OEDO by December 9, 2011. Jesse Arildsen to obtain DEDCM review and inform Commission CAs prior to sending email response to GAO by December 13, 2011.

Document Information

Originator Name: George Scott

Date of Incoming: 11/29/2011

Originating Organization: GAO

Document Received by OEDO Date: 11/30/2011

Addressee: R. W. Borchardt, EDO

Date Response Requested by Originator: 12/13/2011

Incoming Task Received: Letter

November 29, 2011

Mr. R. William Borchardt
Executive Director for Operations
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Mr. Jesse Arildsen
GAO Review Liaison
Office of Executive Director for Operations

Dear Mr. Borchardt,

Attached are the Statement of Fact and a summary of survey data submitted by your agency for our engagement on STEM Education Programs (131046). The survey data will be published in a web-based companion product under a new job code (131122) that will be issued on the same day as our letter report. We are providing the Statement of Fact and summary for your technical review and comment before the report is issued in final form.

We would like to obtain technical comments from you or your designated representative, either in writing or orally, by December 13, 2011. These comments will be reflected in the final report. Please direct all comments and any questions you may have to Ryan Siegel at (415) 904-2062 or siegelr@gao.gov.

The Statement of Fact and summary are not final; are therefore subject to change; and must be safeguarded to prevent transmittal to unauthorized personnel, alteration, or premature release. Please do not show or release the contents for any purpose other than to provide comments. The Statement of Fact and summary remain the property of GAO. Upon request, all electronic copies must be destroyed and any hard copies must be returned. We appreciate your cooperation in this matter.

Sincerely yours,

George Scott, Director
Education, Workforce, and
Income Security Issues

2 Attachments

Nuclear Regulatory Commission Statement of Facts**1. Agency and Mission**

Agency	Mission
Nuclear Regulatory Commission (NRC)	to ensure the adequate protection of public health, safety, and the environment, while promoting the common defense and security

2. List of STEM Education Programs with Fiscal Year 2010 Obligations

Agency	Program	Fiscal Year 2010 STEM education program obligations
Nuclear Regulatory Commission		
	Integrated University Program	\$15,000,000
	Minority Serving Institutions Program (MSIP)	\$2,838,500
	Nuclear Education Curriculum Development Grants	\$4,701,000

3. The Nuclear Regulatory Commission's Integrated University Program provides scholarships or fellowships to doctoral students in the field of physics. The Integrated University Program focuses on supporting education in nuclear science, engineering, and related trades with the goal of developing a workforce capable of designing, constructing, operating, and regulating nuclear facilities and capable of handling of nuclear materials safely.

Survey of Programs Supporting Science, Technology, Engineering, and Math Education

U.S. Government Accountability Office

Nuclear Regulatory Commission : Program Objectives

Program	Subagency	Q13 - Attract and prepare students to pursue classes or coursework in STEM areas through formal or informal education activities	Q13 - Attract students to pursue degrees (2-year, 4-year, graduate, or doctoral degrees) in STEM fields through formal or informal education activities	Q13 - Provide training opportunities for undergraduate or graduate students in STEM fields	Q13 - Attract graduates to pursue careers in STEM fields	Q13 - Improve teacher (pre-service or in-service) education in STEM areas	Q13 - Improve or expand the capacity of K-12 schools or postsecondary institutions to promote or foster education in STEM fields	Q13 - Conduct research to enhance the quality of STEM education provided to students	Q13 - Other (please specify below)
Integrated University Program	Nuclear Regulatory Commission	Secondary Objective	Primary Objective	Primary Objective	Primary Objective	Primary Objective	Not an Objective	Not an Objective	Not an Objective
Nuclear Education Curriculum Development Grants	Nuclear Regulatory Commission	Secondary Objective	Secondary Objective	Primary Objective	Not an Objective	Not an Objective	Primary Objective	Not an Objective	Not an Objective

Minority Serving Institutions Program (MSIP)	Nuclear Regulatory Commission	Primary Objective	Primary Objective	Primary Objective	Primary Objective	Secondary Objective	Secondary Objective	Not an Objective	Not checked
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[\(Go to Nuclear Regulatory Commission Target populations\)](#)

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Survey of Programs Supporting Science, Technology, Engineering, and Math Education

U.S. Government Accountability Office

Nuclear Regulatory Commission : STEM Fields

Program	Subagency	Q17 - Does this program focus on specific STEM fields?	Q17A - Agricultural sciences	Q17A - Biological sciences	Q17A - Chemistry	Q17A - Computer science	Q17A - Earth, atmospheric, and ocean sciences	Q17A - Engineering	Q17A - Mathematics	Q17A - Physics	Q17A - Social sciences	Q17A - Technology	Q17A - Other (please list below):
Integrated University Program	Nuclear Regulatory Commission	Yes	No	No	No	No	No	Yes	No	Yes	No	Yes	Yes
Nuclear Education Curriculum Development Grants	Nuclear Regulatory Commission	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No
Minority Serving Institutions Program (MSIP)	Nuclear Regulatory Commission	No	Not checked	Not checked	Not checked	Not checked	Not checked	Not checked	Not checked	Not checked	Not checked	Not checked	Not checked

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Survey of Programs Supporting Science, Technology, Engineering, and Math Education

U.S. Government Accountability Office

Nuclear Regulatory Commission : Services Provided

Program	Agency	Subagency	Q19 - Classroom instruction	Q19 - Curriculum development	Q19 - Educational research aimed at improving the quality of STEM education	Q19 - Institutional support for infrastructure	Q19 - Institutional support for management and administrative activities	Q19 - Outreach and recognition to generate student interest in STEM field (s)	Q19 - Short-term experiential learning activities (includes summer camps, field trips, guest speakers, and workshops)	Q19 - Long-term experiential learning activities (semester or more in length)	Q19 - Student scholarships or fellowships	Q19 - Research opportunities, internships, or career guidance	Q19 - Teacher pre-service or recruitment activities	Q19 - Teacher in-service, professional development, or retention activities	Q19 - Other (please describe other services below):
Integrated University Program	Nuclear Regulatory Commission	Nuclear Regulatory Commission	No	No	No	No	No	No	No	No	Yes	No	Yes	Yes	No
Nuclear Education Curriculum Development Grants	Nuclear Regulatory Commission	Nuclear Regulatory Commission	No	Yes	No	No	No	No	No	No	No	No	No	No	No
Minority Serving Institutions Program (MSIP)	Nuclear Regulatory Commission	Nuclear Regulatory Commission	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Not checked

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Survey of Programs Supporting Science, Technology, Engineering, and Math Education

U.S. Government Accountability Office

Nuclear Regulatory Commission : Target populations

Program	Agency	Subagency	Q20 - Elementary school students	Q20 - Secondary school students	Q20 - 2-year undergraduate students	Q20 - 4-year undergraduate students	Q20 - Masters degree students	Q20 - Doctoral students	Q20 - Elementary school teachers	Q20 - Secondary school teachers	Q20 - College faculty or instructional staff	Q20 - General public	Q20 - Other (please list below):
Integrated University Program	Nuclear Regulatory Commission	Nuclear Regulatory Commission	No	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No
Nuclear Education Curriculum Development Grants	Nuclear Regulatory Commission	Nuclear Regulatory Commission	No	No	No	Yes	Yes	Yes	No	No	No	No	No
Minority Serving Institutions Program (MSIP)	Nuclear Regulatory Commission	Nuclear Regulatory Commission	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Not checked	Not checked

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Survey of Programs Supporting Science, Technology, Engineering, and Math Education

U.S. Government Accountability Office

Nuclear Regulatory Commission : Obligations

Program	Agency	Subagency	Q39 - FY08 total program obligation	Q39 - FY08 total program obligation	Q39 - FY10 total program obligation	Q39 - FY11 total program obligation	Q39 - FY12 total program obligation	Q40 - FY08 program obligation - STEM education activities only	Q40 - FY09 program obligation - STEM education activities only	Q40 - FY10 program obligation - STEM education activities only	Q40 - FY11 program obligation - STEM education activities only	Q40 - FY12 program obligation - STEM education activities only
Integrated University Program	Nuclear Regulatory Commission	Nuclear Regulatory Commission	14,997,864	14,878,523	15,000,000	5,000,000	0					
Nuclear Education Curriculum Development Grants	Nuclear Regulatory Commission	Nuclear Regulatory Commission	4,723,903	4,719,089	4,701,000	4,613,482	5,000,000					
Minority Serving Institutions Program (MSIP)	Nuclear Regulatory Commission	Nuclear Regulatory Commission	927,968	1,417,580	2,838,500	2,880,000	680,000					

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