

**U.S. NUCLEAR REGULATORY COMMISSION  
NOTICE OF GRANT/ASSISTANCE AWARD**

<b>1. GRANT/AGREEMENT NO.</b> NRC-38-10-940	<b>2. MODIFICATION NO.</b>	<b>3. PERIOD OF PERFORMANCE</b> FROM: 5/1/2010 TO: 04/30/2011	<b>4. AUTHORITY</b> Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended													
<b>5. TYPE OF AWARD</b>  <input checked="" type="checkbox"/> GRANT <input type="checkbox"/> COOPERATIVE AGREEMENT	<b>6. ORGANIZATION TYPE</b>  Private Institution of Higher ED	<b>7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS</b>  POLYTECHNIC INSTITUTE of NEW YORK UNIVERSITY SIX METRO TECH CENTER BROOKLYN, NEW YORK 11201  DUNS: 066076225														
<b>8. PROJECT TITLE:</b> NRC Polytechnic Institute of New York University Nuclear Scholarship Program																
<b>9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED</b> See Program Description <b>AND APPENDIX A-PROJECT GRANT PROVISIONS</b>	<b>10. TECHNICAL REPORTS ARE REQUIRED</b> <input checked="" type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input type="checkbox"/> OTHER (Conference Proceedings)	<b>11. PRINCIPAL INVESTIGATOR(S) NAME, ADDRESS and EMAIL ADDRESS</b> Polytechnic Institute of New York University Attn: Professor Lorcan M. Folan Department of Physics Email: folan@poly.edu Tel: 718-260-3381														
<b>12. NRC PROGRAM OFFICE (NAME and ADDRESS)</b> NRC Attn: John Gutteridge MS: W5A6 (301) 492-2313 Office of Human Resources 11545 Rockville Pike Rockville, MD 20852	<b>13. ACCOUNTING and APPROPRIATION DATA</b> APPN. NO: 31X0200 B&R NO: 0-8415-5C1115 JOB CODE: T8460 BOC NO: 4110 OFFICE ID NO: RFPA: HR-10-940	<b>14. METHOD OF PAYMENT</b> <input type="checkbox"/> ADVANCE BY TREASURY CHECK <input type="checkbox"/> REIMBURSEMENT BY TREASURY CHECK <input type="checkbox"/> LETTER OF CREDIT <input checked="" type="checkbox"/> OTHER (SPECIFY) Electronic ASAP.gov (See Remarks in Item #20 "Payment Information")														
<b>15. NRC OBLIGATION FUNDS</b>  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">THIS ACTION</td> <td style="text-align: right; border-bottom: 1px solid black;">\$129,600.00</td> </tr> <tr> <td>PREVIOUS OBLIGATION</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right; border-bottom: 1px solid black;"><b>\$129,600.00</b></td> </tr> </table>		THIS ACTION	\$129,600.00	PREVIOUS OBLIGATION		<b>TOTAL</b>	<b>\$129,600.00</b>	<b>16. TOTAL FUNDING AGREEMENT</b>  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">NRC</td> <td style="text-align: right; border-bottom: 1px solid black;">\$129,600.00</td> <td rowspan="3" style="vertical-align: top; padding-left: 20px;">This action provides funds for Fiscal Year in the amount of <b>See Page Two</b></td> </tr> <tr> <td>RECIPIENT</td> <td style="text-align: right; border-bottom: 1px solid black;">\$289,644.00</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right; border-bottom: 1px solid black;"><b>\$419,244.00</b></td> </tr> </table>		NRC	\$129,600.00	This action provides funds for Fiscal Year in the amount of <b>See Page Two</b>	RECIPIENT	\$289,644.00	<b>TOTAL</b>	<b>\$419,244.00</b>
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<b>17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS)</b>  U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Sheila Bumpass Mail Stop: TWB-01-B10M Rockville MD 20852																
<b>18.</b>  Signature Not Required		<b>19. NRC CONTRACTING OFFICER</b>  <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">             (Signature)         </div> <div style="text-align: center;"> <u>5/1/2010</u>            (Date)         </div> </div> NAME (TYPED) <u>Sheila Bumpass</u>  TITLE <u>Contracting Officer</u>  TELEPHONE NO. <u>301-492-3484</u>														
<b>20. PAYMENT INFORMATION</b>  Payment will be made through the Automated Standard Application for Payment (ASAP.gov) unless the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in 2 CFR 215 (OMB Circular A110).																
<b>21.</b> Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Non-Government Recipients. Acceptance of these terms and conditions is acknowledged when Federal funds are used on this project.																
<b>22. ORDER OF PRECEDENCE</b> In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail.																
<b>23.</b> By this award, the Recipient certifies that payment of any audit-related debt will not reduce the level of performance of any Federal Program.																

## ATTACHMENT A - SCHEDULE

### A.1 PURPOSE OF GRANT

The purpose of this Grant is to provide support to the "Polytechnic Institute of New York University Nuclear Scholarship Program" as described in Attachment B entitled "Program Description."

### A.2 PERIOD OF GRANT

1. The effective date of this Grant is May 1, 2010. The estimated completion date of this Grant is April 30, 2011.

2. Funds obligated hereunder are available for program expenditures for the estimated period: May 1, 2010 – April 30, 2011.

### A. GENERAL

1. Total Estimated NRC Amount:	\$129,600.00
2. Total Obligated Amount:	\$129,600.00
3. Cost-Sharing Amount:	\$289,664.00
4. Activity Title:	Polytechnic Institute of New York University Nuclear Scholarship Program.
5. NRC Project Officer:	John Gutteridge
6. DUNS No.:	066076225

### B. SPECIFIC

RFPA No.:	HR-10-940
FFS:	N/A
Job Code:	T8460
BOC:	4110
B&R Number:	0-8415-5C1115
Appropriation #:	31X0200
Amount Obligated:	\$129,600.00

### A.3 BUDGET

Revisions to the budget shall be made in accordance with Revision of Grant Budget in accordance with 2 CFR 215.25.

	Year 1
Direct Participant Cost	\$120,000.00
Indirect Cost	<u>\$9,600.00</u>
Subtotal	\$129,600.00
<b>Yearly Total</b>	<b>\$129,600.00</b>

All travel must be in accordance with the Polytechnic Institute of New York University Travel Regulations or the US Government Travel Policy absent Grantee's travel regulation.

### A.4 AMOUNT OF AWARD AND PAYMENT PROCEDURES

1. The total estimated amount of this Award is \$129,600.00 for the one year period.

2. NRC hereby obligates the amount of \$129,600.00 for program expenditures during the period set forth above and in support of the Budget above. The Grantee will be given written

notice by the Contracting Officer when additional funds will be added. NRC is not obligated to reimburse the Grantee for the expenditure of amounts in excess of the total obligated amount.

3. Payment shall be made to the Grantee in accordance with procedures set forth in the Automated Standard Application For Payments (ASAP) Procedures set forth below.

## **Attachment B – Program Description**

### **PROGRAM DESCRIPTION**

Polytechnic Institute of New York University  
Nuclear Scholarship Program

#### **2. Project Description**

Among the challenges facing the country is a projected shortfall in the numbers of engineering and science graduates qualified and willing to pursue nuclear related careers. The Polytechnic Institute of New York University (NYU-Poly), operating in the densely populated and ethnically diverse New York metropolitan area, plans to play a significant role by offering students the option to obtain an **Interdisciplinary Minor in Nuclear Sciences and Engineering**, in conjunction with a BS degree in civil, chemical and biological, computer, electrical, financial and risk, or mechanical engineering, or in the physical or computational sciences (all are majors currently offered by NYU-Poly).

**2.1 Academic Program** NYU-Poly is a MSCHE accredited institute located in Brooklyn, New York, offering ABET accredited degrees in engineering and computer science. A group of NYU Poly faculty submitted a proposal in response to the U.S. Nuclear Regulatory Commission Nuclear Education Grant Program Announcement of Opportunity, Fiscal 2008 (HR-FN12-7- EDU2). Our central initiative was to develop an Interdisciplinary undergraduate Minor focused on nuclear science and engineering with the purpose of preparing engineering, computer science and natural science graduates for careers in nuclear industries and government. Nuclear industry recruiters estimate that 90% to 95% of employees with bachelor's degrees actually qualified in disciplines other than nuclear engineering, so our program targets the bulk of the projected employee shortfall.

Under a grant award (NRC-38-08-908) we developed the three required nuclear content courses for our undergraduate Minor in nuclear science and engineering. The initial course *Fundamentals of Applied Nuclear Physics* as first offered in the spring semester of 2009 for 12 students. A second offering of this course for 15 students is currently underway, as is the first offering for 11 students of the second course for the Minor *Introduction to Radiation Physics and Dosimetry*. The third course, *Introduction to Nuclear Engineering*, will be first offered next semester (Spring 2010), and the initial *Fundamentals of Applied Nuclear Physics* course will again be offered for a third consecutive semester. At this writing preregistration in the spring 2010 courses stand at 13 and 11 respectively.

We received supplementary funding this year to develop four elective courses for the Minor. Students will select two of these four electives to complete the five course (15 credit) Minor and the first elective is scheduled for the fall semester of 2010. Our plan is to offer NRC funded scholarships to students who register for and successfully complete the first nuclear content course for the Minor. By taking the first course at their own expense, the students clearly demonstrate their interest and commitment.

We formed an advisory committee for the program, which held its inaugural meeting on October 17, 2008 and its second annual meeting on October 28<sup>th</sup>, 2009. The group strongly endorsed the concept and structure of the Minor and enthusiastically supports development of the program. At both meetings the advisory committee strongly recommended pursuit of scholarship funds to help students avail themselves of the opportunities presented by our educational program. Staff of the Institute's development office last year solicited and received some \$45,000 in scholarship funds from foundations to support students in the program (see attached award letters). We distributed more than \$10,000 in scholarships to five students in the fall semester and plan to distribute the

balance of available funds this spring. Of the five awardees in fall, three were from underrepresented groups (two Females and one Hispanic), a notable indication of the diversity NYU-Poly's student body. Two working groups, one on curriculum and course content and the other on internships, scholarships, and recruiting are currently active, and a website devoted to the program is in development.

The four information events held on campus to promote the program attracted more than 60 student attendees and we arranged presentations by representatives of several regional nuclear power producers, of Brookhaven National Laboratory and of the Navy's nuclear program. Site visits have been arranged to the Millstone and Indian Point power plants and to the facilities of Brookhaven National Laboratory and New York University's Langone Medical Center

**2.2 Nuclear Scholarship Program** The primary goal of this scholarship program is to assist motivated and very capable students, particularly from under-represented groups and from a range of engineering disciplines, to prepare for careers in nuclear-related fields which they may not consider otherwise. The funding requested from the NRC (\$ 129,600) will go towards establishing a scholarship program to support our Minor. The program will provide six \$10,000 scholarships per year for two years to highly qualified students enrolled in both a science or engineering BS degree program and the Interdisciplinary Minor in Nuclear Science and Engineering. Based on experience to date we expect the academic program to enroll about 60 students when fully developed and at least 20 can be expected to be GPA eligible for the scholarship program each year. NYU-Poly's schedule of tuition and fees for 2009 -10 are as follows:

Full-time tuition (12-20 credits), per semester \$16,637  
Credits in excess of 20 credits, per credit \$1,058 Part-time per credit rate (0.1-11.99) \$1,058

Full-time fees (12 credits or more), per semester \$573  
Part-time fees (6-11 credits), per semester \$357 Part-time fees (less than 6 credits), per semester \$209

**2.3 Institutional Capability and Support** (*Criteria #1 & #4*) As described above, the program already enjoys significant support from faculty and encouraging initial response from students. The Institute administration is also very supportive. Our President, a former Under Secretary of the Navy is supportive, as is our Provost who has written a strong letter of support for the initiative (see attached letter of support).

With advice from the advisory committee and NYU-Poly's marketing team, we are developing recruitment and advertising materials (website, posters, and brochures) to create awareness of the Minor, the scholarship opportunities it provides, and internship and employment opportunities available to participating students in the nuclear industries, and government. The different candidate pools we shall target to recruit students will include the following:

- **Current Students:** We will distribute marketing materials, display posters around campus, maintain the website and link to the main NYU-Poly website, and list the scholarships on the Scholarship page of the NYU-Poly website. Each semester we hold an information session and will promote the academic program and scholarship opportunities. For this group of students, faculty-based recruitment will also occur as faculty will be an excellent resource as role models, mentors, and program recruiters. Additionally, the individual academic department advisors will educate students on the merits of the Minor and work with them to incorporate it into their program of studies. (Hard prospect estimate - 350 per year)
- **New York University Applicant Pool:** With the recent affiliation with NYU, we have access to a much larger pool of potential students for the program. This year, NYU received 37,000 applications for freshman admission. We will work with academic advisors in suitable

departments (math, chemistry, physics, etc.) to inform students about the Minor program and the scholarship opportunities. (Hard prospect estimate - 50 per year)

- Transfer Students: Many students arrive at NYU-Poly from community colleges throughout the New York metropolitan area. We will work with admissions officers to inform and recruit potential students. (Hard prospect estimate - 10 per year)
- High School Students: NYU-Poly has a rigorous high school outreach program, run from the federally funded youth in Engineering and Science (YES) Center. The center sponsors a wide variety of engagement activities including research and competitive projects, FIRST robotics teams and college preview opportunities. We will work with the center staff to identify and cultivate school counselors and prospective students. This effort goes toward long-term sustainability of the Minor program, and will involve visiting high schools throughout the New York City metropolitan area. (Soft prospect estimate - 2000 per year)

We will also market the scholarship program to the broadest possible audience using our website. Primarily targeting the four groups cited above, the PI will oversee a media campaign that includes flyers, brochures, postings and email messages. The PI and other faculty teaching in the Minor program will develop and maintain a referral network consisting of faculty and administrators who will acquaint potential students with the scholarship program. The program team will also maintain close relationships with faculty teaching freshmen- and sophomore-level courses, advisers, and student leaders to increase awareness of the Minor and scholarship programs.

Each semester applications for scholarship support will be solicited. A program steering committee will review all the applications received for the scholarship program. This committee will include the PI, two additional faculty members who teach courses in the Minor, and representatives from the Institute's Admissions and Financial Aid offices. Committee members will ensure that the applicants are rank ordered on the basis of merit. A preliminary screening of candidates will be done based on the following criteria and a short list of candidates will be created:

- Candidates must be matriculated in a baccalaureate science or engineering degree program
- Candidates must maintain a course load of at least 12 credit hours per semester to be classified as a full-time student, in accordance with the Institute's policies and practices.
- Candidates must have achieved junior level standing
- Candidates must have a cumulative GPA of 3.0 (on 4.0 scale).
- Candidates must have registered for the first course in the Minor in nuclear science and engineering.
- Candidates must present a recommendation letter from a NYU-Poly faculty or staff member.
- Candidates must explain their interests in nuclear careers in an application essay.
- Candidates are required to be U.S. citizens or permanent residents.

The short-listed students will be invited for an interview with a selection committee panel. Final selection will then be done by committee, based on the application package and the interviews.

Financial aid infrastructure is in place and currently distributes approximately \$30,000,000 in financial aid to some 1500 undergraduate students annually. The Nuclear Scholarship Program at NYU-Poly will be modeled on our similar and highly successful program in information assurance called ASPIRE. ASPIRE is a scholarship-for-service program at NYU-Poly funded by the National Science Foundation that has graduated 46 students in information assurance since 2002, with 4 more due to graduate in May 2009. Students in the program have consistently averaged more

than two job offers each and a 100% summer internship placement.

*All students selected for scholarship support will be required to sign and fulfill the program's service agreement to serve 6 months in nuclear-related employment for each full or partial year of scholarship support.* NYU-Poly will provide the NRC with a cumulative list of students selected for support, and compliance monitoring reports detailing the participating students' academic performance and post graduation employment records. The tracking and administrative structure already in place to support the ASPIRE program will be used to track students in the nuclear scholarship program. The burden of tracking an extra six students each semester is manageable and the incremental cost will be defrayed using the 8% facilities and administrative charge included in the budget. NYU-Poly's experience and success in running a scholarship-for-service and other programs, along with a history of strong job placement results for its graduates, provides strong evidence that we can successfully run a Nuclear Scholarship Program.

**2.4 Student Support (Criterion #2)** Students in the Minor program will meet with the academic program coordinator (PI) each semester before registration, to discuss the student's progress and options. These sessions provide a vehicle to assess student morale and address any retention issues before they become acute. The program course instructors plan at least one site visit per semester and these trips will allow the group to coalesce and form the kind of personal relationships between students that are vital to retention. We will encourage students to form a student chapter of the American Nuclear Society, allowing participants to become active in an appropriate professional organization while still enrolled, and to become involved with national organizations such as the Young Generation in Nuclear. These extracurricular activities are also critical in retaining students in such a program.

NYU-Poly's Career Management Center will work closely with all students in the Minor program to place them in summer internships that suit their interests and skills, whether in industry or government. Further, the Center offers a variety of programs aimed at supporting students and preparing them for achievement after graduation. During information sessions and site visits students meet and interact with industry and government staff, directly illustrating for them the range of careers paths and opportunities available to them.

**2.5 Program Evaluation (Criterion #3)** During the early stages of the scholarship program, the focus will be on identifying and recruiting students. Once established, the emphasis will shift to monitoring and compliance. Institute records will be used to assess whether key activities and goals are implemented as intended (e.g., have individuals from underrepresented groups applied and been accepted; have internships been lined up, etc.). Among other items, the assessment system will examine: student recruitment, selection efforts especially successful in attracting and retaining students from under-represented groups; development and deployment of program activities; implementation of mentoring; and job placement activities. Data will be gathered on the student's academic progress from the Registrar's Office, information on club and society participation from the Office of Student Development, results of site visits, internship activities from course instructors and the Office of Career Management, and ultimately from graduates and their employers.

In addition, qualitative methods (e.g., advising, interviews, surveys) will be used to collect information from stakeholders for the purpose of refining and improving the Minor and related scholarship program. Students returning from internships will be interviewed about their experiences and suggestions will be solicited to improve the program. Longitudinal surveys are performed for cohort groups in five year intervals after graduation. Employer contacts will also be used to assess the success of the program and to provide data for feedback and program improvement. The Institute's Office of Assessment, will compile, validate and analyze these data.

Using the materials developed in the processes described above, the program steering committee will assess progress and decide on refinements. Students' experiences will be correlated with their expectations as expressed in applicants' essays and career statements. The steering committee will annually review the success of participants and reassess the values of the various selection tools and criteria. Information obtained will be invaluable in the effort to make the program self sustaining and allow the institute to make best use of its own resources in the subsequent management of the program. NYU-Poly has considerable experience in managing such processes. For example, course, degree and overall institution evaluations are routinely performed as part of our accreditation processes and data and stakeholder inputs are routinely used to evaluate success and permit data driven decision making.

**2.6 Partnerships with Minority Serving Institutions (Criterion #5)** NYU-Poly has strong relationships with several schools in the NY tri-state area that have large minority student bodies. These include the nearby CUNY Minority Institutions: New York City College of Technology, Medgar Evers College and Borough of Manhattan Community College. We will leverage these relationships to identify and recruit talented students from underrepresented groups. In addition, both New York City College of Technology and Westchester Community College offer a two year associate's degree program in radiologic technology, and minority graduates from those programs will be targeted as especially valuable transfer student prospects.

**2.7 Matching Funds (Criterion #6)** The Office of Development at NYU-Poly submitted funding requests to the philanthropic arms of the program's industry partners this year and three awards were made to support students in the Minor at NYU-Poly. The following foundations have provided scholarship funds, and copies of the award letters are included in the attachments: Constellation Energy, \$10,000, Entergy Charitable Foundation, \$20,000 and PSEG Power Foundation, \$15,000. In the fall semester more than \$10,000 was distributed to five students and the balance will be distributed in the spring semester. We fully intend to re-apply and seek to expand these awards, however, the amounts involved are not sufficient to assure continued participation in, and growth of the Minor program. Students at NYU-Poly receive varying amounts of financial aid based on need and merit, so it is impossible to be precise about the amounts of matching aid students may receive. However, a one half need based Institute scholarship would be typical for the students in the target group, amounting to \$199,644 in cost sharing over two years.

In summary, we have developed and launched a relevant academic program. Initial results, including institute response, course registrations, industry participation, and scholarship successes indicates that the program has significant potential. However, we believe we have picked the "low hanging fruit" among the student prospects and that to flourish, additional scholarship support is needed. This concern was amplified following a recent presentation to our students by the US Navy. The inducements provided by the Navy are such that to appear attractive we believe we need to offer our better students a more substantial support package, including significant scholarship support. The Polytechnic Institute of New York University Nuclear Scholarship Program would help significantly in allaying these concerns.

## Attachment C – Standard Terms and Conditions

### The Nuclear Regulatory Commission's Standard Terms and Conditions for U.S. Nongovernmental Grantees

#### Preface

This award is based on the application submitted to, and as approved by, the Nuclear Regulatory Commission (NRC) under the authorization 42 USC 2051(b) pursuant to section 31b and 141b of the Atomic Energy Act of 1954, as amended, and is subject to the terms and conditions incorporated either directly or by reference in the following:

- Grant program legislation and program regulation cited in this Notice of Grant Award.
- Restrictions on the expenditure of Federal funds in appropriation acts, to the extent those restrictions are pertinent to the award.
- Code of Federal Regulations/Regulatory Requirements - 2 CFR 215 Uniform Administrative Requirements For Grants And Agreements With Institutions Of Higher Education, Hospitals, And Other Non-Profit Organizations (OMB Circulars), as applicable.

To assist with finding additional guidance for selected items of cost as required in 2 CFR 220, 2 CFR 225, and 2 CFR 230 these URLs to the Office of Management and Budget Cost Circulars are included for reference:

A-21 (now 2CFR 220):	<a href="http://www.whitehouse.gov/omb/circulars/a021/print/a021.html">http://www.whitehouse.gov/omb/circulars/a021/print/a021.html</a>
A-87 (now 2CFR 225):	<a href="http://www.whitehouse.gov/omb/circulars/a087/print/a087-all.html">http://www.whitehouse.gov/omb/circulars/a087/print/a087-all.html</a>
A-122 (now 2 CFR 230):	<a href="http://www.whitehouse.gov/omb/circulars/a122/print/a122.html">http://www.whitehouse.gov/omb/circulars/a122/print/a122.html</a>
A-102, SF 424:	<a href="http://www.whitehouse.gov/omb/circulars/a102/print/a102.html">http://www.whitehouse.gov/omb/circulars/a102/print/a102.html</a>
Form 990:	<a href="http://www.irs.gov/pub/irs-pdf/i990-ez.pdf">http://www.irs.gov/pub/irs-pdf/i990-ez.pdf</a>

Any inconsistency or conflict in terms and conditions specified in the award will be resolved according to the following order of precedence: public laws, regulations, applicable notices published in the Federal Register, Executive Orders (EOs), Office of Management and Budget (OMB) Circulars, the Nuclear Regulatory Commission's (NRC) Mandatory Standard Provisions, special award conditions, and standard award conditions.

By drawing funds from the Automated Standard Application for Payment system (ASAP), the recipient agrees to the terms and conditions of an award.

Certifications and representations. These terms incorporate the certifications and representations required by statute, executive order, or regulation that were submitted with the SF424B application through Grants.gov.

#### **I. Mandatory General Requirements**

The order of these requirements does not make one requirement more important than any other requirement.

##### **1. Applicability of 2 CFR Part 215**

a. All provisions of 2 CFR Part 215 and all Standard Provisions attached to this grant/cooperative agreement are applicable to the Grantee and to sub-recipients which meet the definition of "Grantee" in Part 215, unless a section specifically excludes a sub-recipient from

coverage. The Grantee and any sub-recipients must, in addition to the assurances made as part of the application, comply and require each of its sub-awardees employed in the completion of the project to comply with Subpart C of 2 CFR 215 Part 180 and include this term in lower-tier (subaward) covered transactions.

b. Grantees must comply with monitoring procedures and audit requirements in accordance with OMB Circular A-133. <

<http://www.whitehouse.gov/omb/circulars/a133/compliance/08/08toc.aspx> >

## **2. Award Package**

### **Grant Performance Metrics:**

The Office of Management and Budget requires all Federal Agencies providing funding for educational scholarships and fellowships as well as other educational related funding to report on specific metrics. These metrics are part of the Academic Competitiveness Council's (ACC) 2007 report and specifically relates to Science, Technology, Engineering, and Mathematics (STEM) curricula.

As part of the FY 2010 HR grant awards, in addition to the customary performance progress report requested on the SF-PPR, SF-PPR-B, and SF-PPR-E forms, HR requires the following metrics to be reported on by the awardees as follows:

### **Scholarship Awards**

1. Measuring the number and percentage of students who receive an NRC scholarship and complete a STEM (as delineated in the NRC grant announcements) major or program of study;
2. Measuring the number and percentage of STEM graduates who stay in STEM by attending a STEM or STEM-related graduate program (4-year institution NRC recipients only);
3. The number and percentage of STEM graduates who take a job in a STEM or STEM-related field;
4. The number and percentage of students who participate in scientific activities or research experiences in industry, government, or the not-for-profit sector;
5. The number and percentage of students who present research findings at scientific meetings or student science exchange events;
6. The number of students who participate in interdisciplinary research or educational experiences; and
7. The number of students who engage in research experiences in an academic, government, or non-for-profit industry.

### **Service Agreement**

A signed service agreement and resume are required for all student recipients of scholarships or fellowships funded by the US Nuclear Regulatory Commission. The Service Agreement is attached to the Terms and Conditions.

### **§ 215.41 Grantee responsibilities.**

The Grantee is obligated to conduct such project oversight as may be appropriate, to manage the funds with prudence, and to comply with the provisions outlined in 2 CFR 215.41. Within this framework, the Principal Investigator (PI) named on the award face page, Block 11, is responsible for the scientific or technical direction of the project and for preparation of the project performance reports. This award is funded on a cost reimbursement basis not to exceed the amount awarded as indicated on the face page, Block 16., and is subject to a refund of unexpended funds to NRC.

The standards contained in this section do not relieve the Grantee of the contractual responsibilities arising under its contract(s). The Grantee is the responsible authority, without recourse to the NRC, regarding the settlement and satisfaction of all contractual and administrative issues arising out of procurements entered into in support of an award or other agreement. This includes disputes, claims, protests of award, source evaluation or other matters of a contractual nature. Matters concerning violation of statute are to be referred to such Federal, State or local authority as may have proper jurisdiction.

### **Subgrants**

#### **Appendix A to Part 215—Contract Provisions**

Sub-recipients, sub-awardees, and contractors have no relationship with NRC under the terms of this grant/cooperative agreement. All required NRC approvals must be directed through the Grantee to NRC. See 2 CFR 215.180 and 215.41.

### **Nondiscrimination**

(This provision is applicable when work under the grant/cooperative agreement is performed in the U.S. or when employees are recruited in the U.S.)

No U.S. citizen or legal resident shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity funded by this award on the basis of race, color, national origin, age, religion, handicap, or sex. The Grantee agrees to comply with the non-discrimination requirements below:

Title VI of the Civil Rights Act of 1964 (42 USC §§ 2000d et seq)  
Title IX of the Education Amendments of 1972 (20 USC §§ 1681 et seq)  
Section 504 of the Rehabilitation Act of 1973, as amended (29 USC § 794)  
The Age Discrimination Act of 1975, as amended (42 USC §§ 6101 et seq)  
The Americans with Disabilities Act of 1990 (42 USC §§ 12101 et seq)  
Parts II and III of EO 11246 as amended by EO 11375 and 12086.  
EO 13166, "Improving Access to Services for Persons with Limited English Proficiency."  
Any other applicable non-discrimination law(s).

Generally, Title VII of the Civil Rights Act of 1964, 42 USC § 2000e et seq, provides that it shall be an unlawful employment practice for an employer to discharge any individual or otherwise to discriminate against an individual with respect to compensation, terms, conditions, or privileges of employment because of such individual's race, color, religion, sex, or national origin. However, Title VII, 42 USC § 2000e-1(a), expressly exempts from the prohibition against discrimination on the basis of religion, a religious corporation, association, educational institution, or society with respect to the employment of individuals of a particular religion to perform work connected with the carrying on by such corporation, association, educational institution, or society of its activities.

### **Modifications/Prior Approval**

NRC prior written approval may be required before a Grantee makes certain budget modifications or undertakes particular activities. If NRC approval is required for changes in the grant or cooperative agreement, it must be requested of, and obtained from, the NRC Grants Officer in advance of the change or obligation of funds. All requests for NRC prior approval must be made, in writing (which includes submission by e-mail), to the designated Grants Specialist and Program Office no later than 30 days before the proposed change. The request must be signed by both the PI and the authorized organizational official. Failure to obtain prior approval, when required, from the NRC Grants Officer may result in the disallowance of costs, termination of the award, or other enforcement action within NRC's authority.

### **Lobbying Restrictions**

The Grantee will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

The Grantee shall comply with provisions of 31 USC § 1352. This provision generally prohibits the use of Federal funds for lobbying in the Executive or Legislative Branches of the Federal Government in connection with the award, and requires disclosure of the use of non-Federal funds for lobbying.

The Grantee receiving in excess of \$100,000 in Federal funding shall submit a completed Standard Form (SF) LLL, "Disclosure of Lobbying Activities," regarding the use of non-Federal funds for lobbying within 30 days following the end of the calendar quarter in which there occurs any event that requires disclosure or that materially affects the accuracy of the information contained in any disclosure form previously filed. The Grantee must submit the SF-LLL, including those received from sub-recipients, contractors, and subcontractors, to the Grants Officer.

### **§ 215.13 Debarment And Suspension.**

The Grantee agrees to notify the Grants Officer immediately upon learning that it or any of its principals:

- (1) Are presently excluded or disqualified from covered transactions by any Federal department or agency;
- (2) Have been convicted within the preceding three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, receiving stolen property, making false claims, or obstruction of justice; commission of any other offense indicating a lack of business integrity or business honesty that seriously and directly affects your present responsibility;
- (3) Are presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b); and

(4) Have had one or more public transactions (Federal, State, or local) terminated for cause or default within the preceding three years.

b. The Grantee agrees that, unless authorized by the Grants Officer, it will not knowingly enter into any subgrant or contracts under this grant/cooperative agreement with a person or entity that is included on the Excluded Parties List System (<http://epls.arnet.gov>).

The Grantee further agrees to include the following provision in any subgrant or contracts entered into under this award:

'Debarment, Suspension, Ineligibility, and Voluntary Exclusion

The Grantee certifies that neither it nor its principals is presently excluded or disqualified from participation in this transaction by any Federal department or agency. The policies and procedures applicable to debarment, suspension, and ineligibility under NRC-financed transactions are set forth in 2 CFR Part 180.'

#### **Drug-Free Workplace**

The Grantee must be in compliance with The Federal Drug Free Workplace Act of 1988. The policies and procedures applicable to violations of these requirements are set forth in 41 USC 702.

#### **Implementation of E.O. 13224 -- Executive Order On Terrorist Financing**

The Grantee is reminded that U.S. Executive Orders and U.S. law prohibits transactions with, and the provision of resources and support to, individuals and organizations associated with terrorism. It is the legal responsibility of the Grantee to ensure compliance with these Executive Orders and laws. This provision must be included in all contracts/sub-awards issued under this grant/cooperative agreement.

Award Grantees must comply with Executive Order 13224, Blocking Property and Prohibiting Transactions with Persons who Commit, Threaten to Commit, or Support Terrorism. Information about this Executive Order can be found at: [www.fas.org/irp/offdocs/eo/eo-13224.htm](http://www.fas.org/irp/offdocs/eo/eo-13224.htm).

#### **Procurement Standards. § 215.40**

Sections 215.41 through 215.48 set forth standards for use by Grantees in establishing procedures for the procurement of supplies and other expendable property, equipment, real property and other services with Federal funds. These standards are furnished to ensure that such materials and services are obtained in an effective manner and in compliance with the provisions of applicable Federal statutes and executive orders. No additional procurement standards or requirements shall be imposed by the Federal awarding agencies upon Grantees, unless specifically required by Federal statute or executive order or approved by OMB.

#### **Travel**

Travel is an appropriate charge to this award and prior authorization for specific trips are not required, as long as the trip is identified in the Grantee's original program description and original budget. All other travel, domestic or international, must not increase the total estimated award amount. Trips that have not been identified in the approved budget require the written prior approval of the Grants Officer.

Travel will be in accordance with the US Government Travel Regulations at: [www.gsa.gov/federaltravelregulation](http://www.gsa.gov/federaltravelregulation) and the per diem rates set forth at: [www.gsa.gov/perdiem](http://www.gsa.gov/perdiem).

Travel costs to the grant must be consistent with provisions as established in Appendix A to 2 CFR 220 (J.53)

**Property Management Standards**

Property standards of this award shall follow provisions as established in 2 CFR 215.30.

**Equipment** procedures shall follow provision established in 2 CFR 215.34.

**Procurement Standards**

Procurement standards of this award shall follow provisions as established in 2 CFR 215.40.

**Intangible and Intellectual Property**

Intangible and intellectual property of this award shall generally follow provisions established in 2 CFR 215.36.

**Inventions Report** - The Bayh-Dole Act (P.L. 96-517) affords Grantees the right to elect title and retain ownership to inventions they develop with funding under an NRC grant award ("subject inventions"). In accepting an award, the Grantee agrees to comply with applicable NRC policies, the Bayh-Dole Act, and its Government-wide implementing regulations found at Title 37, Code of Federal Regulations (CFR) Part 401. A significant part of the regulations require that the Grantee report all subject inventions to the awarding agency (NRC) as well as include an acknowledgement of federal support in any patents. NRC participates in the trans-government Interagency Edison system (<http://www.iedison.gov>) and expects NRC funding Grantees to use this system to comply with Bayh-Dole and related intellectual property reporting requirements. The system allows for Grantees to submit reports electronically via the Internet. In addition, the invention must be reported in continuation applications (competing or non-competing).

**Patent Notification Procedures**- Pursuant to EO 12889, NRC is required to notify the owner of any valid patent covering technology whenever the NRC or its financial assistance Grantees, without making a patent search, knows (or has demonstrable reasonable grounds to know) that technology covered by a valid United States patent has been or will be used without a license from the owner. To ensure proper notification, if the Grantee uses or has used patented technology under this award without license or permission from the owner, the Grantee must notify the Grants Officer. This notice does not necessarily mean that the Government authorizes and consents to any copyright or patent infringement occurring under the financial assistance.

**Data, Databases, and Software** - The rights to any work produced or purchased under a NRC federal financial assistance award are determined by 2 CFR 215.36. Such works may include data, databases or software. The Grantee owns any work produced or purchased under a NRC federal financial assistance award subject to NRC's right to obtain, reproduce, publish or otherwise use the work or authorize others to receive, reproduce, publish or otherwise use the data for Government purposes.

**Copyright** - The Grantee may copyright any work produced under a NRC federal financial assistance award subject to NRC's royalty-free nonexclusive and irrevocable right to reproduce, publish or otherwise use the work or authorize others to do so for Government purposes. Works jointly authored by NRC and Grantee employees may be copyrighted but only the part authored by the Grantee is protected because, under 17 USC § 105, works produced by Government employees are not copyrightable in the United States. On occasion, NRC may ask

the Grantee to transfer to NRC its copyright in a particular work when NRC is undertaking the primary dissemination of the work. Ownership of copyright by the Government through assignment is permitted under 17 USC § 105.

**Records retention and access requirements** for records of the Grantee shall follow established provisions in 2 CFR 215.53.

#### **Organizational Prior Approval System**

In order to carry out its responsibilities for monitoring project performance and for adhering to award terms and conditions, each Grantee organization shall have a system to ensure that appropriate authorized officials provide necessary organizational reviews and approvals in advance of any action that would result in either the performance or modification of an NRC supported activity where prior approvals are required, including the obligation or expenditure of funds where the governing cost principles either prescribe conditions or require approvals.

The Grantee shall designate an appropriate official or officials to review and approve the actions requiring NRC prior approval. Preferably, the authorized official(s) should be the same official(s) who sign(s) or countersign(s) those types of requests that require prior approval by NRC. The authorized organization official(s) shall not be the principal investigator or any official having direct responsibility for the actual conduct of the project, or a subordinate of such individual.

**Conflict Of Interest Standards** of this award shall follow provisions as established in 2 CFR 215.42 Codes of Conduct.

#### **Dispute Review Procedures**

- a. Any request for review of a notice of termination or other adverse decision should be addressed to the Grants Officer. It must be postmarked or transmitted electronically no later than 30 days after the postmarked date of such termination or adverse decision from the Grants Officer.
- b. The request for review must contain a full statement of the Grantee's position and the pertinent facts and reasons in support of such position.
- c. The Grants Officer will promptly acknowledge receipt of the request for review and shall forward it to the Director, Office of Administration, who shall appoint a review committee consisting of a minimum of three persons.
- d. Pending resolution of the request for review, the NRC may withhold or defer payments under the award during the review proceedings.
- e. The review committee will request the Grants Officer who issued the notice of termination or adverse action to provide copies of all relevant background materials and documents. The committee may, at its discretion, invite representatives of the Grantee and the NRC program office to discuss pertinent issues and to submit such additional information as it deems appropriate. The chairman of the review committee will insure that all review activities or proceedings are adequately documented.
- f. Based on its review, the committee will prepare its recommendation to the Director, Office of Administration, who will advise the parties concerned of his/her decision.

**Termination and Enforcement.** Termination of this award by default or by mutual consent shall follow provisions as established in 2 CFR 215.60.

**Monitoring and Reporting § 215.51**

a. Grantee Financial Management systems must comply with the established provisions in 2 CFR 215.21

- Payment – 2 CFR 215.22
- Cost Share – 2 CFR 215.23
- Program Income – 2 CFR 215.24
  - Earned program income, if any, shall be added to funds committed to the project by the NRC and Grantee and used to further eligible project or program objectives.
- Budget Revision – 2 CFR 215.25
  - In accordance with 2 CFR 215.25(e), the NRC waives the prior approval requirement for items identified in sub-part (e)(1-4).
  - The Grantee is not authorized to rebudget between direct costs and indirect costs without written approval of the Grants Officer.
  - Allowable Costs – 2 CFR 215.27

**b. Federal Financial Reports**

Effective October 1, 2008, NRC transitioned from the SF-269, SF-269A, SF-272, and SF-272A to the Federal Financial Report (SF-425) as required by OMB:

[http://www.whitehouse.gov/omb/fedreg/2008/081308\\_ffr.pdf](http://www.whitehouse.gov/omb/fedreg/2008/081308_ffr.pdf)

[http://www.whitehouse.gov/omb/grants/standard\\_forms/ffr.pdf](http://www.whitehouse.gov/omb/grants/standard_forms/ffr.pdf)

[http://www.whitehouse.gov/omb/grants/standard\\_forms/ffr\\_instructions.pdf](http://www.whitehouse.gov/omb/grants/standard_forms/ffr_instructions.pdf)

The Grantee shall submit a "Federal Financial Report" (SF-425) on a semi-annual basis for the periods ending March 31 and September 30, or any portion thereof, unless otherwise specified in a special award condition. Reports are due no later than 30 days following the end of each reporting period. A final SF-425 shall be submitted within 90 days after expiration of the award.

**Period of Availability of Funds 2 CFR § 215.28**

a. Where a funding period is specified, a Grantee may charge to the grant only allowable costs resulting from obligations incurred during the funding period and any pre-award costs authorized by the NRC.

b. Unless otherwise authorized in 2 CFR 215.25(e)(2) or a special award condition, any extension of the award period can only be authorized by the Grants Officer in writing. Verbal or written assurances of funding from other than the Grants Officer shall not constitute authority to obligate funds for programmatic activities beyond the expiration date.

c. The NRC has no obligation to provide any additional prospective or incremental funding. Any modification of the award to increase funding and to extend the period of performance is at the sole discretion of the NRC.

d. Requests for extensions to the period of performance shall be sent to the Grants Officer at least 30 days prior to the grant/cooperative agreement expiration date. Any request for extension after the expiration date shall not be honored.

### **Automated Standard Application For Payments (ASAP) Procedures**

Unless otherwise provided for in the award document, payments under this award will be made using the Department of Treasury's Automated Standard Application for Payment (ASAP) system < <http://www.fms.treas.gov/asap/> >. Under the ASAP system, payments are made through preauthorized electronic funds transfers, in accordance with the requirements of the Debt Collection Improvement Act of 1996. In order to receive payments under ASAP, Grantees are required to enroll with the Department of Treasury, Financial Management Service, and Regional Financial Centers, which allows them to use the on-line method of withdrawing funds from their ASAP established accounts. The following information will be required to make withdrawals under ASAP: (1) ASAP account number – the award number found on the cover sheet of the award; (2) Agency Location Code (ALC) – 31000001; and Region Code. Grantees enrolled in the ASAP system do not need to submit a "Request for Advance or Reimbursement" (SF-270), for payments relating to their award.

### **Audit Requirements**

Organization-wide or program-specific audits shall be performed in accordance with the Single Audit Act Amendments of 1996, as implemented by OMB Circular A-133, "Audits of States, Local Governments, and Non-Profit Organizations."

<http://www.whitehouse.gov/omb/circulars/a133/a133.html> Grantees are subject to the provisions of OMB Circular A-133 if they expend \$500,000 or more in a year in Federal awards.

The Form SF-SAC and the Single Audit Reporting packages for fiscal periods ending on or after January 1, 2008 must be submitted online.

1. Create your online report ID at <http://harvester.census.gov/fac/collect/ddeindex.html>
2. Complete the Form SF-SAC
3. Upload the Single Audit
4. Certify the Submission
5. Click "Submit."

Organizations expending less than \$500,000 a year are not required to have an annual audit for that year but must make their grant-related records available to NRC or other designated officials for review or audit.

## **III. Programmatic Requirements**

### **Performance (Technical) Reports**

a. The Grantee shall submit performance (technical) reports electronically to the NRC Project Officer and Grants Officer as specified in the special award conditions in the same frequency as the Federal Financial Report unless otherwise authorized by the Grants Officer.

b. Unless otherwise specified in the award provisions, performance (technical) reports shall contain brief information as prescribed in the applicable uniform administrative requirements 2 CFR §215.51 which are incorporated in the award.

c. The Office of Human Resources requires the submission of the semi-annual progress report on the SF-PPR, SF-PPR-B, and the SF-PPR-E forms. The submission for the six month period

ending March 31<sup>st</sup> is due by April 30<sup>th</sup>. The submission for the six month period ending September 30<sup>th</sup> is due by October 31<sup>st</sup>.

### **Unsatisfactory Performance**

Failure to perform the work in accordance with the terms of the award and maintain at least a satisfactory performance rating or equivalent evaluation may result in designation of the Grantee as high risk and assignment of special award conditions or other further action as specified in the standard term and condition entitled "Termination".

Failure to comply with any or all of the provisions of the award may have a negative impact on future funding by NRC and may be considered grounds for any or all of the following actions: establishment of an accounts receivable, withholding of payments under any NRC award, changing the method of payment from advance to reimbursement only, or the imposition of other special award conditions, suspension of any NRC active awards, and termination of any NRC award.

### **Other Federal Awards With Similar Programmatic Activities**

The Grantee shall immediately provide written notification to the NRC Project Officer and the Grants Officer in the event that, subsequent to receipt of the NRC award, other financial assistance is received to support or fund any portion of the program description incorporated into the NRC award. NRC will not pay for costs that are funded by other sources.

### **Prohibition Against Assignment By The Grantee**

The Grantee shall not transfer, pledge, mortgage, or otherwise assign the award, or any interest therein, or any claim arising thereunder, to any party or parties, banks, trust companies, or other financing or financial institutions without the express written approval of the Grants Officer.

### **Site Visits**

The NRC, through authorized representatives, has the right, at all reasonable times, to make site visits to review project accomplishments and management control systems and to provide such technical assistance as may be required. If any site visit is made by the NRC on the premises of the Grantee or contractor under an award, the Grantee shall provide and shall require his/her contractors to provide all reasonable facilities and assistance for the safety and convenience of the Government representative in the performance of their duties. All site visits and evaluations shall be performed in such a manner as will not unduly delay the work.

## **IV. Miscellaneous Requirements**

### **Criminal and Prohibited Activities**

- a. The Program Fraud Civil Remedies Act (31 USC §§ 3801-3812), provides for the imposition of civil penalties against persons who make false, fictitious, or fraudulent claims to the Federal government for money (including money representing grant/cooperative agreements, loans, or other benefits.)
- b. False statements (18 USC § 287), provides that whoever makes or presents any false, fictitious, or fraudulent statements, representations, or claims against the United States shall be subject to imprisonment of not more than five years and shall be subject to a fine in the amount provided by 18 USC § 287.

- c. False Claims Act (31 USC 3729 et seq), provides that suits under this Act can be brought by the government, or a person on behalf of the government, for false claims under federal assistance programs.
- d. Copeland "Anti-Kickback" Act (18 USC § 874), prohibits a person or organization engaged in a federally supported project from enticing an employee working on the project from giving up a part of his compensation under an employment contract.

#### **American-Made Equipment And Products**

Grantees are hereby notified that they are encouraged, to the greatest extent practicable, to purchase American-made equipment and products with funding provided under this award.

#### **Increasing Seat Belt Use in the United States**

Pursuant to EO 13043, Grantees should encourage employees and contractors to enforce on-the-job seat belt policies and programs when operating company-owned, rented or personally-owned vehicle.

#### **Federal Employee Expenses**

Federal agencies are generally barred from accepting funds from a Grantee to pay transportation, travel, or other expenses for any Federal employee unless specifically approved in the terms of the award. Use of award funds (Federal or non-Federal) or the Grantee's provision of in-kind goods or services, for the purposes of transportation, travel, or any other expenses for any Federal employee may raise appropriation augmentation issues. In addition, NRC policy prohibits the acceptance of gifts, including travel payments for Federal employees, from Grantees or applicants regardless of the source.

#### **Minority Serving Institutions (MSIs) Initiative**

Pursuant to EOs 13256, 13230, and 13270, NRC is strongly committed to broadening the participation of MSIs in its financial assistance program. NRC's goals include achieving full participation of MSIs in order to advance the development of human potential, strengthen the Nation's capacity to provide high-quality education, and increase opportunities for MSIs to participate in and benefit from Federal financial assistance programs. NRC encourages all applicants and Grantees to include meaningful participations of MSIs. Institutions eligible to be considered MSIs are listed on the Department of Education website:

<http://www.ed.gov/about/offices/list/ocr/edlite-minorityinst.html>

#### **Research Misconduct**

Scientific or research misconduct refers to the fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results. It does not include honest errors or differences of opinions. The Grantee organization has the primary responsibility to investigate allegations and provide reports to the Federal Government. Funds expended on an activity that is determined to be invalid or unreliable because of scientific misconduct may result in a disallowance of costs for which the institution may be liable for repayment to the awarding agency. The Office of Science and Technology Policy at the White House published in the Federal Register on December 6, 2000, a final policy that addressed research misconduct. The policy was developed by the National Science and Technology Council (65 FR 76260). The NRC requires that any allegation be submitted to the Grants Officer, who will also notify the OIG of such allegation. Generally, the Grantee organization shall investigate the allegation and submit its findings to the Grants Officer. The NRC may accept the Grantee's findings or proceed with its own investigation. The Grants Officer shall inform the Grantee of the NRC's final determination.

### **Publications, Videos, and Acknowledgment of Sponsorship**

Publication of the results or findings of a research project in appropriate professional journals and production of video or other media is encouraged as an important method of recording and reporting scientific information. It is also a constructive means to expand access to federally funded research. The Grantee is required to submit a copy to the NRC and when releasing information related to a funded project include a statement that the project or effort undertaken was or is sponsored by the NRC. The Grantee is also responsible for assuring that every publication of material (including Internet sites and videos) based on or developed under an award, except scientific articles or papers appearing in scientific, technical or professional journals, contains the following disclaimer:

"This [report/video] was prepared by [Grantee name] under award [number] from [name of operating unit], Nuclear Regulatory Commission. The statements, findings, conclusions, and recommendations are those of the author(s) and do not necessarily reflect the view of the [name of operating unit] or the US Nuclear Regulatory Commission."

**2010 Scholarship and Fellowship Program  
Service Agreement**

1. This service agreement is required for all student recipients of scholarships or fellowships (hereinafter referred to as the "recipient") funded by the U.S. Nuclear Regulatory Commission (NRC) through the University of \_\_\_\_\_.
2. This agreement confirms the recipient's obligations to maintain satisfactory academic progress and serve 6 months in nuclear-related employment for each year of academic support. The employment may be with NRC, other Federal agencies, State agencies, Department of Energy laboratories, nuclear-related industry, or academia in the recipients' sponsored fields of study.
3. The scholarship recipient must: (check here  if scholarship)
  - a. remain matriculated in the degree program for the field of study for which the scholarship was approved,
  - b. maintain satisfactory academic progress in the recipient's field of study, as demonstrated by maintaining a 3.0 Grade Point Average both overall and within the recipient's major, and
  - c. maintain a course load of at least 12 credit hours per semester as a full-time student in good standing.
4. The fellowship recipient must: (check here  if fellowship)
  - a. maintain a 3.3 GPA overall and within a field of study
  - b. maintain a course load of at least 12 credit hours per semester or be classified as a full time student
  - c. remain matriculated in a graduate degree program in a nuclear related area, preferably in the fields of Nuclear Engineering, Health Physics, and Radiochemistry.
5. If a recipient fails to maintain satisfactory academic progress, the scholarship or fellowship will be terminated and the recipient could be obligated to repay the NRC the full amount of the scholarship/fellowship.
6. If a recipient receives any subsequent scholarship(s) or fellowship(s) through this program, the service obligation periods will be consecutive.
7. At the discretion of the NRC, the service obligation period may be delayed to allow the recipient to continue a subsequent degree program immediately following that sponsored under this program. For example, a recipient who receives a fellowship to earn a Master's degree, may request and be permitted to delay fulfilling their service obligation until after they complete a subsequent terminal degree program. Any such requests must be made to the NRC before a student enrolls in a subsequent degree program. If a student enrolls in a subsequent degree program before or without NRC approval, and the NRC does

not subsequently approve the request, the NRC will not be held liable for any expenses incurred to dis-enroll, or for failure to otherwise meet the terms of this service obligation. Recipients only incur a service obligation for funded periods of study.

8. If the student receives no employment offers or does not accept any of the offers received, the student is not relieved of the service obligation, unless, pursuant to this service agreement, the student applies for and receives a waiver from the NRC. Implicit in the waiver request is data or explanation by the student that efforts to secure employment in a nuclear-related field were undertaken. This can be in the form of job searches, referrals, etc. Absent a waiver from the NRC, rejection of one or more job offers could trigger the service agreement obligation.
9. If a recipient voluntarily leaves the employment during a period of obligated post-academic service, the recipient may immediately become liable to the U.S. Government for repayment of the entire amount of the assistance provided under the scholarship or fellowship, for which the service obligation has not been fulfilled.
10. The recipient employed by NRC understands that his or her last pay check and any lump sum payment for annual leave and other payment due on separation will be applied toward any unfulfilled service obligation without further notice. If the recipient's last pay check and any lump sum payment do not satisfy the debt, the recipient may pay the balance of the debt in full or set up a repayment plan.
11. By accepting this scholarship/fellowship, I agree to provide the NRC with current contact information (address, telephone, email), and employment information, subject to the provisions of the Privacy Act, for as long as I remain under obligated service. This information will be used solely for the purposes of verifying appropriate nuclear related employment in compliance with the service obligation requirements of this service agreement. In accordance with the Privacy Act, providing this information is voluntary; however, failure to do so may result in removal from the scholarship/fellowship program and/or repayment of all scholarship/grant money received. Contact information should be reported to: [eduscholar@nrc.gov](mailto:eduscholar@nrc.gov).
12. By signing this agreement, the recipient certifies that he or she has read this agreement and agrees to all of the obligations it entails.

\_\_\_\_\_  
Scholarship or Fellowship Recipient

\_\_\_\_\_  
Date

\_\_\_\_\_  
University Program Coordinator

\_\_\_\_\_  
Date

\_\_\_\_\_  
NRC Office of Human Resources

\_\_\_\_\_  
Date