



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

August 8, 2003

J. Donald Chavez, Projects Manager  
Work for Others Team  
NA-116 (AL)  
US Department of Energy/NNSA  
PO Box 5400  
Albuquerque, NM 87185-5400

SUBJECT: REQUEST FOR PROPOSAL

Dear Mr. Chavez:

In accordance with established procedures, please prepare and submit a cost proposal for completion of work on the Statement of Work for the subject task order enclosed. At a minimum, the costs should be divided into the categories of: labor; travel; materials; services; subcontracts and any other significant cost category. If there are different types/level of personnel to be assigned, please break down the labor into the various cost categories. The proposal may contain any proposed changes in technical approach, level of effort, schedules, and any other changes that you believe are necessary to successfully perform the work, or accomplish the work in a more timely and economical cost to the Government.

Please submit the proposal to Mr. Barry Westreich, Chief of the Security Oversight Section of my staff via facsimile at 301-415-6661 within five business days from the date of this request. If you have any additional questions, please feel free to contact Barry at 301-415-0221.

Sincerely,

***/RA Original Signed by D. H. Dorman for:/***

Glenn M. Tracy, Director  
Division of Nuclear Security  
Office of Nuclear Security and  
Incident Response

Enclosure: Statement of Work

August 8, 2003

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NAME	F.P. Peduzzi		P. Prescott		G. Tracy	
DATE	08/07/2003		08/07/2003		08/08/2003	

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## **STATEMENT OF WORK**

### **Basic Security Training Course**

JOB CODE:

NRC B&R NO.:

DOE Laboratory: Sandia National Laboratory

NRC ISSUING OFFICE: Nuclear Security and Incident Response

NRC PROJECT OFFICER: F. Paul Peduzzi, Security Specialist, NSIR/DNS/SOS,  
[fxp1@nrc.gov](mailto:fxp1@nrc.gov), 301-415-5734

#### **A. BACKGROUND**

On September 11, 2001, terrorists simultaneously attacked targets in New York, NY, and Washington, DC utilizing large commercial aircraft as weapons. In response to the attacks and intelligence information subsequently obtained, the Nuclear Regulatory Commission (NRC) issued a number of Safeguards and Threat Advisories to its licensees in order to strengthen licensees' capabilities and readiness to respond to a potential attack on a licensee facility.

As a result of its consideration of current safeguards and licensee requirements, as well as a review of information provided by the intelligence community and being part of a Department of Homeland Security effort, the Commission has determined in an Order, that certain security measures are required to be implemented by all Panoramic and Underwater Irradiators authorized to possess greater than 10,000 curies of byproduct material in the form of sealed sources.

Material Inspectors for the Nuclear Regulatory Commission (NRC) and Agreement States have been assigned to inspect irradiator licensees for compliance with security measures imposed by the Order. Material Inspectors for both the NRC and Agreement States would benefit from receiving basic instruction on physical security program design and evaluation to broaden their skills beyond nuclear materials and build a security foundation for future responsibilities as security inspectors for irradiator licensees

#### **B. OBJECTIVE**

The objective is to provide basic security training for NRC and Agreement States Material Inspectors in support of their security inspection function at irradiator licensees. The training is to be conducted by a professional organization with a professional instruction system that includes instructors with expertise in physical security program design and evaluation. The training will be conducted at a well-equipped training facility capable of supporting six one week training sessions with up to 30 students per session

between the start of the performance period until May 1, 2004. The training facility will provide all necessary training materials to include books for each session. Upon completion of the course, the students will be able to identify all elements of a physical security program at an industrial facility and how those elements work together to ensure the protection of the facility and the material stored at the facility. The students will be able to evaluate those elements in relation to overall facility protection and be able to provide basic program guidance if necessary to licensees responsible for the physical security program of the facility.

**C. SCOPE OF WORK**

The contractor shall:

1. Provide to the NRC a review copy of the essential elements of the training program to include a curriculum for a one week basic security course to be conducted at Sandia National Laboratory. The NRC will review the training program and curriculum and make comments within two weeks of receiving the documents.
2. Schedule six one week training sessions to be conducted between the start of the performance period and May 1, 2004.
3. Include the following modules in the training course: Design and Evaluation of Physical Security Protection Systems, Facility Characterization, Threat Definition, Target Identification, Physical Protection System Design, Exterior Intrusion Sensors, Interior Intrusion Sensors, Alarm Assessment, Alarm Communication and Display, Entry Control, Access Delay, Response, Analysis and Evaluation, EASI Computer Model for Analysis, Adversary Sequence Diagrams, Risk Analysis, Computer Security, NRC Inspection Guidelines and Reports, and Overview of the Order imposed by the Commission for Irradiator Licensees.
4. Include a multiple choice exam or practical exercise to verify student completion of the course objectives and skill of the material presented.

**D. DELIVERABLES/DUE DATES**

	<b>Deliverable</b>	<b>Due Date</b>
1	Sandia to send a copy of the training program to include the curriculum and exam or practical exercise to the NRC	Two weeks after award of contract
2	Comments on the NRC review of the training program curriculum and exam or practical exercise sent to Sandia	Two weeks after receiving documents
3	Sandia incorporates NRC comments to finalize the training program, curriculum, exam or practical exercise	Two weeks after receiving documents

4	NRC and Sandia finalize the schedule for training dates	One month after finalizing the program
5	Contact NRC and Agreement State Inspectors with training dates	Two weeks after finalizing the training dates and schedule
6	Evaluate each training session using student and instructor evaluation forms	End of each session
7	Submit completed evaluation forms to the NRC for review	End of each session
8	NRC provides program feedback to Sandia based on the evaluation forms	One week after receiving the documents

#### **E. LEVEL OF EFFORT**

The expected level of effort is 0.5 staff-months in calendar 2003 and 1.0 staff-months in calendar 2004.

#### **F. TRAVEL**

No travel expected.

#### **G. PERIOD OF PERFORMANCE**

The period of performance of this contract shall be from August 31, 2003 through May 1, 2004.