

**ORDER FOR SUPPLIES OR SERVICES**

PAGE OF PAGES

1

14

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 06/27/2017		2. CONTRACT NO. (If any) NRC-HQ-25-14-E-0006		6. SHIP TO: a. NAME OF CONSIGNEE NUCLEAR REGULATORY COMMISSION	
3. ORDER NO. NRC-HQ-11-17-T-0001		4. REQUISITION/REFERENCE NO. NSIR-17-0050		b. STREET ADDRESS NUCLEAR REGULATORY COMMISSION	
5. ISSUING OFFICE (Address correspondence to) US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP TWFN-5E03 WASHINGTON DC 20555-0001				c. CITY WASHINGTON	
				d. STATE DC	e. ZIP CODE 20555-0001
7. TO: WILLIAM ARCIERI				f. SHIP VIA	
a. NAME OF CONTRACTOR INFORMATION SYSTEMS LABORATORIES INC				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE	<input checked="" type="checkbox"/> b. DELIVERY
c. STREET ADDRESS 11140 ROCKVILLE PIKE				REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY ROCKVILLE		e. STATE MD	f. ZIP CODE 20852-3106		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITION NG OFFICE OFFICE OF NEW REACTORS	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT	
<input type="checkbox"/> a. SMALL	<input checked="" type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> d. WOMEN-OWNED	<input type="checkbox"/> e. HUBZone	
<input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED	<input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM	<input type="checkbox"/> h. EDWOSB			
13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)		16. DISCOUNT TERMS
a. INSPECTION Destination	b. ACCEPTANCE Destination				

**17. SCHEDULE (See reverse for Rejections)**

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	The NRC hereby awards the Task Order entitled, "Emergency Preparedness Small Modular Reactor & Other New Technology Rulemaking & Guidance" (Reference Number - Unrestricted Task Order 11) under Enterprise-wide Contract Number Continued ...					

18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
21. MAIL INVOICE TO:						
a. NAME	US NUCLEAR REGULATORY COMMISSION				\$0.00	17(i) GRAND TOTAL
b. STREET ADDRESS (or P.O. Box)	ONE WHITE FLINT NORTH 11555 ROCKVILLE PIKE MAILSTOP 03-E17A				\$573,045.00	
c. CITY ROCKVILLE		d. STATE MD	e. ZIP CODE 20852-2738			

22. UNITED STATES OF AMERICA BY (Signature)		06/27/2017		23. NAME (Typed)	
				JEFFREY R. MITCHELL TITLE: CONTRACTING/ORDER NG OFFICER	

**ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION**

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 06/27/2017	CONTRACT NO. NRC-HQ-25-14-E-0006	ORDER NO. NRC-HQ-11-17-T-0001
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	<p>NRC-HQ-25-14-E-0006. This Task Order is incrementally funded.</p> <p>Period of Performance: Date of Award - 8/17/2020</p> <p>Total Task Order Ceiling: \$573,045.00</p> <p>Total Obligated Amount: \$57,000.00</p> <p>See attached pages for specific terms and conditions regarding this Task Order.</p> <p>Contracting Officer's Representative (COR) Name: Jonathan Fiske Phone: 301-287-9228 Email: jonathan.fiske@nrc.gov</p> <p>Contractor POC (Business) Name: Bill Arcieri Phone: 301-255-2275 Email: billa@islinc.com</p> <p>██ ██</p> <p>_____ ISL Authorized Official                      Date</p> <p>Accounting Info: 2017-X0200-FEEBASED-11-11D001-1047-17-7-183-252A-17-7-183-1047 Period of Performance: 06/27/2017 to 08/17/2020</p>					

TOTAL CARR ED FORWARD TO 1ST PAGE (ITEM 17(H)) \$0.00

**SECTION B - Supplies or Services/Prices.....4**  
**B.1 BRIEF PROJECT TITLE AND WORK DESCRIPTION .....4**  
**B.2 CONSIDERATION AND OBLIGATION-TASK ORDERS .....4**  
**B.3 PRICE/COST SCHEDULE.....4**  
**SECTION C - Description/Specifications/Statement of Work.....5**  
**SECTION F - Deliveries or Performance**  
**F.1 PERIOD OF PERFORMANCE ..... 11**  
**F.2 PLACE OF DELIVERY-REPORTS ..... 11**  
**SECTION H - Special Contract Requirements**  
**H.1 2052.215-70 KEY PERSONNEL. (JAN 1993) ..... 11**  
**H.2 2052.215-71 PROJECT OFFICER AUTHORITY. (OCT 1999) ..... 12**  
**SECTION J - List of Documents, Exhibits and Other Attachments ..... 14**  
List of Documents, Exhibits, and Other Attachments ..... 14

**SECTION B - Supplies or Services/Prices**

**B.1 BRIEF PROJECT TITLE AND WORK DESCRIPTION**

(a) The title of this project is: Emergency Preparedness Small Modular Reactor & Other New Technology Rulemaking & Guidance

(b) Summary work description: With direction and input from the NRC, the contractor shall support the development of a final regulatory basis, draft and final rule language, and necessary guidance documents for the emergency preparedness (EP) portions of the Small Modular Reactor and Other New Technologies (SMR and ONT) Rulemaking directed by the Commission in SRM-SECY-15-0077 and SRM SECY 16 0069.

**B.2 CONSIDERATION AND OBLIGATION-TASK ORDERS**

(a) The ceiling of this order for services is **\$573,045.00**.

(b) This order is subject to the minimum and maximum ordering requirements set forth in the contract.

(c) The amount presently obligated with respect to this order is **\$57,000.00** [REDACTED]. The obligated amount shall, at no time, exceed the order ceiling as specified in paragraph (a) above. When and if the amount(s) paid and payable to the Contractor hereunder shall equal the obligated amount, the Contractor shall not be obligated to continue performance of the work unless and until the Contracting Officer shall increase the amount obligated with respect to this order, in accordance with FAR Part 43 - Modifications. Any work undertaken by the Contractor in excess of the obligated amount specified above is done so at the Contractor's sole risk and may not be reimbursed by the Government.

(d) The Contractor shall comply with the provisions of FAR 52.232-22 - Limitation of Funds, for incrementally-funded delivery orders or task orders.

**B.3 PRICE/COST SCHEDULE**

Base Period of Performance: Date of Award – August 17, 2020

CLIN	DESCRIPTION	ESTIMATED COST
0001	Labor	[REDACTED]
0002	Travel	[REDACTED]
0003	ODC	[REDACTED]
<b>SUBTOTAL (rounded)</b>		[REDACTED]
0004	Indirect Cost Pool (includes G&A, Fringe, Overhead and Subcontractor Handling)	[REDACTED]
<b>SUBTOTAL (rounded)</b>		[REDACTED]
0005	Fixed-Fee	[REDACTED]
<b>TOTAL</b>		<b>\$573,045.00</b>

## **SECTION C - Description/Specifications/Statement of Work**

### **C.1 PROJECT TITLE**

Emergency Preparedness Small Modular Reactor & Other New Technology Rulemaking & Guidance

### **C.2 BACKGROUND**

In SECY-15-0077, "Options for Emergency Preparedness for Small Modular Reactors and other New Technologies," (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15037A176) the staff requested Commission approval to initiate rulemaking to revise regulations and guidance for emergency preparedness (EP) for small modular reactors (SMRs) and other new technologies, such as non-light-water reactors and medical isotope production facilities. The staff requested in this paper that the Commission authorize a rulemaking effort to establish EP requirements for SMRs and other new technologies that are commensurate with the potential consequences to public health and safety, and the common defense and security at these facilities.

The Commission approved the staff's recommendation to initiate a rulemaking to revise regulations and guidance for EP for SMRs and other new technologies in the Staff Requirements Memorandum (SRM) to SECY-15-0077 (ADAMS Accession No. ML15216A492), and further directed the staff to keep in mind the Commission's previous direction found in the SRM for SECY-14-0038, "Performance-Based Framework for Nuclear Power Plant Emergency Preparedness Oversight." The Commission stated, "This rulemaking provides an opportunity for the staff to further explore the pros and cons of a performance-based EP (PBEP) framework."

The PBEP framework would focus licensees' efforts on actual performance competencies, rather than control of emergency plans and procedures. Regulatory oversight would focus on licensee performance, instead of licensee processes and procedures. Creating a PBEP framework could achieve a higher level of preparedness, as the framework would focus on results and abilities rather than on the means. The PBEP framework would provide the NRC with enhanced oversight of the actual competencies important to protection of public health and safety while allowing licensees increased flexibility. Below are some areas the staff would consider during rulemaking:

- Oversight would focus on licensee performance demonstrated during drills and exercises with specificity in the competencies to be demonstrated and standards to judge success.
- The PBEP framework would be supported by a set of performance indicators that measure performance across (perhaps) 2 years. Performance indicators would trend broad ERO performance and participation, equipment and facility availability. Input to the performance indicators and implementation of corrective actions would be regularly inspected.
- Emergency plans would become part of the licensee response band. The process to change plans would be simplified, because emergency plans would be acceptable as long as performance remained at a high level.

- Biennial exercises and selected drills and exercises would be inspected. The regulations would state the required performance demonstrations and the standards for adequate performance would be contained in supporting guidance.
- NRC would inspect the conduct of critiques and the correction of weaknesses identified.

The decades-long implementation, research, and operating experience from large, light water reactors will inform the development of a performance-based, technology-inclusive EP framework. Essential in establishing a PBEP framework is to determine the size of the plume exposure pathway (PEP) emergency planning zone (EPZ). The proposed framework would involve a tiered approach using a technology-inclusive dose-at-a-distance criteria. Additionally, the insights from NUREG-7195, "Risk-Informed and Performance-Based Oversight of Radiological Emergency Response Programs," will provide a basis to begin work on developing the regulatory basis needed to conduct rulemaking.

The staff proposes revising NRC regulations and guidance through rulemaking to require SMR and other new technology license applicants to demonstrate their safety case for the proposed size of the EPZ. This framework can be established generically (technology inclusive) without site- or design-specific information regarding source term, fission products, or projected offsite dose. The staff anticipates that the technical basis for this EP framework would be developed as part of rulemaking. This would potentially include quantitative guidelines and criteria for accident selection and evaluation specific to SMRs and other new technologies, such as non-LWRs. The NRC technical staff will rigorously review design and licensing information to ensure that the information applicants provide on the offsite dose consequences is commensurate with the EPZ size and that the applicable requirements ensure adequate protection of public health and safety, and the environment. This rulemaking will enable the NRC staff to develop regulations and guidance to provide for regulatory stability, predictability, and clarity in the licensing process, and would minimize or eliminate the uncertainty for applicants and inefficient use of agency resources caused by reliance on exemption requests to the current EP regulations.

The requirements for permit and license applications will need to be addressed in the rulemaking. Currently, the content required by 10 CFR 50.33(g) with respect to EP is focused on large-light-water reactors, and does not address the technology-inclusive principle. Additionally, the defined 10-mile and 50-mile emergency planning zones are prescriptive and are not completely reflective of a PBEP framework.

In SRM SECY-15-0077, the Commission also noted that some aspects of the technical work on the ongoing Power Reactors Transition to Decommissioning rulemaking – which addresses emergency preparedness, and staff actions to address Tier 3 post Fukushima items – will inform the technical work on the SMR emergency preparedness rulemaking. The Commission directed the staff to coordinate these efforts, as appropriate; however, the two rules should be developed separately so as not to delay the decommissioning rulemaking, which should be completed by 2019. The Commission approved the staff's plan in SRM-SECY-16-0069, Rulemaking Plan on Emergency Preparedness for Small Modular Reactors and Other New Technologies.

### **C.3 PROJECT DESCRIPTION AND OBJECTIVES**

With direction and input from the NRC, the contractor shall support the development of a final regulatory basis, draft and final rule language, and necessary guidance documents for the emergency preparedness (EP) portions of the Small Modular Reactor and Other New Technologies (SMR and ONT) Rulemaking directed by the Commission in SRM-SECY-15-0077 and SRM-SECY-16-0069.

The contractor will also bin and adjudicate comments from public comment periods and may be asked to support Advisory Committee on Reactor Safeguards (ACRS) or other public meetings in support of this effort.

### **C.4 STATEMENT OF WORK TASKS**

Under this task order, the contractor shall provide support to the NRC in specific EP related aspects of the SMR and ONT Rulemaking. After a kickoff meeting (Task 1), this effort will begin with the contractor's adjudication of EP related comments on the draft regulatory basis and development of a final regulatory basis for the EP SMR and ONT rulemaking (Task 2). The contractor will then assist the NRC with the development of the proposed rulemaking language (Task 3). Under the direction of the COR, the contractor will also develop draft guidance documents (NUREGs and Regulatory Guides (RG)) to support the rulemaking and revise existing guidance documents as needed (Task 4). The contractor will assist with the binning and adjudication of comments from public comment periods on the proposed rule and guidance documents (Task 5). Lastly, the contractor will support development of the final EP SMRs and ONTs rule language and guidance documents (Tasks 6 and 7).

The contractor may be needed to support presentations, public meetings, ACRS meetings and response to comments, and to provide additional technical support to produce other documents associated with the rulemaking. This support will be directed by the COR in association with the Technical Monitor on an as-needed basis.

#### **C.4.1 - Task 1 – Attend Kickoff Meeting for Support of the EP SMR and ONT Rulemaking**

Upon task order award, the contractor's technical lead and contributing technical staff shall attend a kickoff meeting. Preferably, the kickoff meeting will be held in person at NRC headquarters in North Bethesda, Maryland. At the kickoff meeting, the NRC Contracting Officer's Representative (COR) will provide the contractor with an overview of the expected contractor support for the EP SMRs and ONTs Rulemaking, the development and updating of EP guidance documents, and the current rulemaking schedule.

This task should be completed within two weeks after task order award.

#### **C.4.2 - Task 2 – Complete Adjudication of EP Comments on the Draft Regulatory Basis and Develop Final Regulatory Basis**

The contractor shall collect, bin, and make recommendations on the disposition of EP-specific public comments on the draft regulatory basis, and develop the final regulatory

basis document in preparation for NRC staff review. The draft regulatory basis is currently out for public comment on *regulations.gov* under Docket ID: NRC-2015-0225 (also available in ADAMS, Accession No. ML16309A332). The contractor may also be asked to support any public meetings associated with informing stakeholders of regulatory basis content or to clarify the ongoing regulatory process by taking notes and assembling stakeholder comments.

This task should be completed within four weeks of the end of the public comment period (approximately by August 1, 2017).

#### **C.4.3 - Task 3 – Develop Draft Guidance Documents**

Under the direction of the COR, the contractor shall develop new guidance documents that will provide guidance on implementing the new rule. The contractor shall assist the NRC in adjudicating staff comments on the draft guidance documents. The contractor shall also assist the NRC in identifying existing guidance documents that may need to be revised. The contractor may also be asked to support any public meetings associated with discussion of draft or revised guidance documents that pertain to the EP specific portions of the EP for SMRs and ONTs Rulemaking by taking notes and assembling stakeholder comments.

The timeline for completion of this task will be tied to the Agency Rulemaking schedule and is subject to change (approximately by November 1, 2018).

#### **C.4.4 - Task 4 – Develop EP SMR & ONT Proposed Rulemaking Language**

Under the direction of the COR, the contractor shall support the development of the proposed rule language for the EP for SMR and ONT Rulemaking for incorporation into the proposed rulemaking package. The contractor shall assist the NRC in adjudicating staff comments on the proposed rulemaking package to include revisions based on NRC management and Office of General Counsel. Additionally, the contractor may be asked to support any public meetings associated with the discussion of the proposed rule language by taking notes and assembling stakeholder comments.

The timeline for completion of this task will be tied to the Agency Rulemaking schedule and is subject to change (approximately by November 1, 2018).

#### **C.4.5 - Task 5 – Adjudicate EP Comments from the Proposed Rulemaking Public Comment Period**

The contractor shall collect, bin, and complete the adjudication of EP-related comments from the EP for SMR and ONT Rulemaking public comment period. This will include comments on the proposed rule and draft guidance documents.

This task should be completed within 120 days after the end of the comment period.

#### **C.4.6 - Task 6 – Develop the Final EP for SMRs and ONTs Rulemaking Language**

The contractor shall assist in the development of the final EP for SMR and ONT Rulemaking language based on adjudicated public comments, including support for a



regulatory analysis and backfit analysis as needed. This will also include revisions based on NRC management and Office of General Counsel comments on the final package.

The timeline for completion of this task will be tied to the Agency Rulemaking schedule and is subject to change (approximately by January 15, 2020).

**C.4.7 - Task 7 – Develop the Final Guidance Documents**

Under the direction of the COR, the contractor shall develop the final guidance document(s) that will provide guidance on implementing the EP aspects of the new rule. This will include revisions based on NRC management and Office of General Counsel comments. The contractor may also be asked to support any public meetings associated with discussion of final or revised guidance documents that pertain to the EP for SMR and ONT Rulemaking by taking notes and assembling stakeholder comments.

The timeline for completion of this task will be tied to the Agency Rulemaking schedule and is subject to change (approximately by January 15, 2020).

**C.5 DELIVERABLES**

The contractor shall provide monthly letter reports, due within 20 days following the last day of each month, summarizing accomplishments, expenditures, and any problems encountered. These reports shall be submitted electronically to the COR and to the Contract Specialist

Within five working days after the kickoff meeting (Task 1), the contractor shall provide the COR with a meeting summary which reflects the contractor’s understanding of the approach for supporting the EP for SMR and ONT Rulemaking.

The contractor shall provide the following deliverables to the NRC COR on or before the stated due-date. The staff expects to be working closely with the contractor, and expects the contractor to provide working drafts for comment and to maintaining frequent communication as needed, to ensure completion of the work by these dates.

	<b>DELIVERABLE &amp; ACCEPTANCE CRITERIA</b>	<b>Due Date</b>
1	Kickoff Meeting Summary.	NLT 5 working days after Kickoff Meeting
2	Complete Adjudication of EP-Related Comments from the Draft Regulatory Basis Public Comment Period and Develop the Final Regulatory Basis. Acceptance Criteria: Public comments are adjudicated for incorporation into the regulatory basis and the final regulatory basis is ready for internal review.	TBD
3	Develop Draft Guidance Documents and Revise Existing Guidance Documents as Needed. Acceptance Criteria: Draft guidance documents and/or revisions are complete and ready for public comment.	TBD

4	Assist development of the Proposed Rule Language. Acceptance Criteria: Proposed EP for SMR and ONT Rulemaking language is complete and ready for public comment after incorporation of NRC management and OGC comments.	TBD
5	Complete Adjudication of EP-Related Comments from the Proposed Rulemaking Public Comment Period. Acceptance Criteria: Public comments are adjudicated for incorporation into the Final EP for SMR and ONT Rulemaking language and guidance documents.	NLT 120 days after end of comment period
6	Assist development of the Final EP for SMR and ONT Rulemaking language Based on Adjudicated Public Comments. Acceptance Criteria: Final EP for SMR and ONT Rulemaking language is complete after incorporation of NRC management and OGC comments.	TBD
7	Develop the Final Guidance Documents incorporating NRC management, OGC, stakeholder, and public comments. Acceptance Criteria: Final guidance documents and/or revisions are complete and ready for publication.	TBD

**C.6 PROPOSED PERSONNEL REQUIREMENTS**

The contractor shall identify a Project Manager (PM) with a minimum 8 years of experience as a PM and 4 years of experience in one or more of the technical areas described below. All other technical staff shall have a minimum of 2 years of relevant work experience in one or more of the technical areas described below.

The technical team proposed for this project shall, collectively, have an understanding of NRC rulemaking and shall be knowledgeable in emergency planning and preparedness. More specifically, the team of proposed staff should have experience in all of the following areas: the NRC rulemaking process; emergency planning; emergency response; relevant emergency preparedness regulations including 10 CFR 50.47, 10 CFR 50.54(q), and Appendix E to 10 CFR Part 50; associated EP regulatory guides, guidance documents, and generic communications; risk-informed and performance-based regulation.

- Experience and familiarity with the Emergency Preparedness portion of the NRC’s Transition to Decommissioning Rulemaking effort or the NRC’s 2011 Emergency Preparedness Rule is preferable and will be given the greatest consideration in evaluating the capability of proposed personnel.
- Experience and familiarity with performance-based regulations is preferable and will be given higher technical consideration than other regulatory experience.
- Experience and familiarity with small modular reactors and other new technologies, such as non-LWR designs, is preferable and will be given higher technical consideration.

## **C.7 MATERIALS PROVIDED**

Documents identified in this statement of work are publicly available through the NRC's online document retrieval system (ADAMS) by referencing the ADAMS accession number provided for the document via the NRC public web site ([www.nrc.gov](http://www.nrc.gov)).

## **SECTION F - Deliveries or Performance**

### **F.1 PERIOD OF PERFORMANCE**

This contract shall commence on Date of Award and will expire on 8/17/2020.

### **F.2 PLACE OF DELIVERY-REPORTS**

The items to be furnished hereunder shall be delivered, with all charges paid by the Contractor, to:

Electronic Copies to:

Jonathan Fiske, Contracting Officer's Representative (COR)  
Email Address: [jonathan.fiske@nrc.gov](mailto:jonathan.fiske@nrc.gov)

Todd Smith, Alternate COR  
Email Address: [todd.smith@nrc.gov](mailto:todd.smith@nrc.gov)

Rob Robinson, Contracting Officer (CO)  
Email Address: [richard.robinsonii@nrc.gov](mailto:richard.robinsonii@nrc.gov)

## **SECTION H - Special Contract Requirements**

### **H.1 2052.215-70 KEY PERSONNEL. (JAN 1993)**

(a) The following individuals are considered to be essential to the successful performance of the work hereunder:

[REDACTED]

\*The contractor agrees that personnel may not be removed from the contract work or replaced without compliance with paragraphs (b) and (c) of this section.

(b) If one or more of the key personnel, for whatever reason, becomes, or is expected to become, unavailable for work under this contract for a continuous period exceeding 30 work days, or is expected to devote substantially less effort to the work than indicated in the proposal or initially anticipated, the contractor shall immediately notify the contracting officer and shall, subject to the concurrence of the contracting officer, promptly replace the personnel with personnel of at least substantially equal ability and qualifications.

(c) Each request for approval of substitutions must be in writing and contain a detailed explanation of the circumstances necessitating the proposed substitutions. The request must also contain a complete resume for the proposed substitute and other information

requested or needed by the contracting officer to evaluate the proposed substitution. The contracting officer and the project officer shall evaluate the contractor's request and the contracting officer shall promptly notify the contractor of his or her decision in writing.

(d) If the contracting officer determines that suitable and timely replacement of key personnel who have been reassigned, terminated, or have otherwise become unavailable for the contract work is not reasonably forthcoming, or that the resultant reduction of productive effort would be so substantial as to impair the successful completion of the contract or the service order, the contract may be terminated by the contracting officer for default or for the convenience of the Government, as appropriate. If the contracting officer finds the contractor at fault for the condition, the contract price or fixed fee may be equitably adjusted downward to compensate the Government for any resultant delay, loss, or damage.

(End of Clause)

## **H.2 2052.215-71 PROJECT OFFICER AUTHORITY. (OCT 1999)**

(a) The contracting officer's authorized representative hereinafter referred to as the project officer for this contract is:

Name: Jonathan Fiske  
Email: [Jonathan.fiske@nrc.gov](mailto:Jonathan.fiske@nrc.gov)  
Phone: 301-287-9228

### **Alternate**

Name: Todd Smith  
Email: [todd.smith@nrc.gov](mailto:todd.smith@nrc.gov)  
Phone: 301-287-3744

(b) Performance of the work under this contract is subject to the technical direction of the NRC project officer. The term technical direction is defined to include the following:

- (1) Technical direction to the contractor which shifts work emphasis between areas of work or tasks, authorizes travel which was unanticipated in the Schedule (i.e., travel not contemplated in the Statement of Work or changes to specific travel identified in the Statement of Work), fills in details, or otherwise serves to accomplish the contractual statement of work.
- (2) Provide advice and guidance to the contractor in the preparation of drawings, specifications, or technical portions of the work description.
- (3) Review and, where required by the contract, approve technical reports, drawings, specifications, and technical information to be delivered by the contractor to the Government under the contract.

(c) Technical direction must be within the general statement of work stated in the contract. The project officer does not have the authority to and may not issue any technical direction which:

- (1) Constitutes an assignment of work outside the general scope of the contract.
- (2) Constitutes a change as defined in the "Changes" clause of this contract.
- (3) In any way causes an increase or decrease in the total estimated contract cost, the fixed fee, if any, or the time required for contract performance.
- (4) Changes any of the expressed terms, conditions, or specifications of the contract.
- (5) Terminates the contract, settles any claim or dispute arising under the contract, or issues any unilateral directive whatever.

(d) All technical directions must be issued in writing by the project officer or must be confirmed by the project officer in writing within ten (10) working days after verbal issuance. A copy of the written direction must be furnished to the contracting officer. A copy of NRC Form 445, Request for Approval of Official Foreign Travel, which has received final approval from the NRC must be furnished to the contracting officer.

(e) The contractor shall proceed promptly with the performance of technical directions duly issued by the project officer in the manner prescribed by this clause and within the project officer's authority under the provisions of this clause.

(f) If, in the opinion of the contractor, any instruction or direction issued by the project officer is within one of the categories defined in paragraph (c) of this section, the contractor may not proceed but shall notify the contracting officer in writing within five (5) working days after the receipt of any instruction or direction and shall request that contracting officer to modify the contract accordingly. Upon receiving the notification from the contractor, the contracting officer shall issue an appropriate contract modification or advise the contractor in writing that, in the contracting officer's opinion, the technical direction is within the scope of this article and does not constitute a change under the "Changes" clause.

(g) Any unauthorized commitment or direction issued by the project officer may result in an unnecessary delay in the contractor's performance and may even result in the contractor expending funds for unallowable costs under the contract.

(h) A failure of the parties to agree upon the nature of the instruction or direction or upon the contract action to be taken with respect to the instruction or direction is subject to 52.233-1 - Disputes.

(i) In addition to providing technical direction as defined in paragraph (b) of the section, the project officer shall:

- (1) Monitor the contractor's technical progress, including surveillance and assessment of performance, and recommend to the contracting officer changes in requirements.
- (2) Assist the contractor in the resolution of technical problems encountered during performance.

NRC-HQ-25-14-E-0006  
NRC-HQ-11-17-T-0001

- (3) Review all costs requested for reimbursement by the contractor and submit to the contracting officer recommendations for approval, disapproval, or suspension of payment for supplies and services required under this contract.

(End of Clause)

**SECTION J - List of Documents, Exhibits and Other Attachments**

List of Documents, Exhibits, and Other Attachments

<b>Attachment Number</b>	<b>Title</b>
1	Monthly Letter Status Report Template
2	Billing Instructions – Cost Reimbursement