

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		EPA NO.	1. CONTRACT ID CODE	PAGE 1	OF 3
2. AMENDMENT/MODIFICATION NO. M001		3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO. NMS-12-009	5. PROJECT NO. (if applicable)	
6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Mail Stop: TWB-01-B20M Washington, DC 20555		CODE 3100	7. ADMINISTERED BY (if other than Item 6) U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop: TWB-01-B10E Washington, DC 20555	CODE 3100	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) SOUTHWEST RESEARCH INSTITUTE S W R I 6220 CULEBRA RD SAN ANTONIO TX 782385166			(X) 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-HQ-11-C-02-0084 NRCT001 10B. DATED (SEE ITEM 13) 09-30-2011		
CODE			FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required) See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 48.108(d).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual Agreement and Bilateral Modification
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return ¹ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The primary purpose of this modification is to: (1) increase the CPFF amount by \$41,493, from \$43,353 to \$84,846; (2) extend the expiration date to 9-28-2012; (3) obligate \$12,000; (4) revise and replace the Statement of Work; and (5) change the Technical Monitor to James Downs.

See Page 2 for specific changes to the task order.

All other terms and conditions remain unchanged and in full force and effect.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) R. B. Kalmbach Executive Director, Contracts		15B. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Steve Fogel Branch Chief, MSA	
15C. DATE SIGNED 2/7/2012	15D. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	15E. DATE SIGNED 2/8/12	
15A. CONTRACT OFFICER (Signature of person authorized to sign)			

NSN 7540-01-152-8070
PREVIOUS EDITION NOT USABLE

STANDARD FORM 30 (REV. 10-85)
Prescribed by GSA - FAR (48 CFR) 53.243

SUNSI REVIEW COMPLETE

TEMPLATE - ADM001

FEB 10 2012

ADM002

CONTINUATION PAGE

OPTIONAL FORM 347 COVER PAGE:

BLOCK 9:

Add and Insert: "RFPA: NMS-12-009; FAIMIS: 120676; B&R: 12-50-38-4-149; Job Code: J5687; BOC: 252A; Appropriation No.: 31X0200; Obligation: \$12,000"

BLOCK 17(b):

- Delete the Total CPFF amount of "\$43,353" and replace with "\$84,846"
- Delete the Period of Performance expiration date of "March 31, 2012" and replace with "September 28, 2012"
- Delete the Technical Monitor from "Tyrone Naquin" to "James Downs"
- Delete the TOTAL TASK ORDER CEILING amount of "\$43,353" and replace with "\$84,846"

BLOCK 17(h): Delete the TOTAL CPFF amount of "\$43,353" and replace with "\$84,846"

BLOCK 21a:

Change Department of Interior email address to: "NRCPayments_NBCDenver@NBC.gov"

TASK ORDER TERMS AND CONDITIONS

1. CONSIDERATION AND OBLIGATION—COST PLUS FIXED FEE (JUN 1988) ALTERNATE I (JUN 1991)

Delete Section 1 in its entirety and replace with the following:

"(a) The total estimated cost to the Government for full performance of this contract is \$84,846, of which the sum of \$78,602 represents the estimated reimbursable costs, and of which \$6,245 represents the fixed fee.

(b) There shall be no adjustment in the amount of the Contractor's fixed fee by reason of differences between any estimate of cost for performance of the work under this contract and the actual cost for performance of that work.

(c) The amount currently obligated by the Government with respect to this contract is \$55,353, of which the sum of \$52,160 represents the estimated reimbursable costs, and of which \$3,194 represents the fixed fee.

(d) It is estimated that the amount currently allotted will cover performance through March 30, 2012."

2. PERIOD OF PERFORMANCE

Delete the period of performance expiration date of "March 31, 2012" and replace with "September 28, 2012".

ATTACHMENTS

1. Revised STATEMENT OF WORK—Task Order 1
2. Billing Instructions (July 2011)

STATEMENT OF WORK

PROJECT TITLE: TECHNICAL ASSISTANCE FOR GE-HITACHI GLOBAL LASER
ENRICHMENT APPLICATION REVIEWS AND INSPECTION
SUPPORT

NRC CONTRACTING OFFICER'S
REPRESENTATIVE (COR): Brenda J. DuBose (301) 492-3247

NRC TECHNICAL
PROJECT MANAGER: James R. Downs (301) 492-3232

JOB CODE: J5687

FEE RECOVERABLE: Yes

TAC/DOCKET NO.: L32867

1.0 Background

The Office of Nuclear Material Safety and Safeguards (NMSS) is responsible for regulating activities which provide for the safe and secure production of nuclear fuel used in commercial nuclear reactors. Specially, NMSS develops, implements, and evaluates overall agency safety policy for fuel cycle and special nuclear material (SNM) facilities licensed under the Atomic Energy Act of 1954, as amended, or certified in accordance with the Energy Policy Act of 1992. The Division of Fuel Cycle Safety and Safeguards (FCSS) within NMSS, directs the U.S. Nuclear Regulatory Commission's (NRC) principal licensing, certification, inspection, environmental reviews, and other regulatory activities associated with these facilities to assure adequate safety and safeguards.

There are several fuel cycle facilities in possession of licenses issued by the NRC, or with an application under review, in pursuit of a license to operate. General Electric (GE)-Hitachi Global Laser Enrichment (GLE), whose application was received May 2009 is still under review, with hearings scheduled for Fiscal Year 2012.

The NRC uses the regulations in Title 10 of the Code of Federal Regulations (10 CFR) Parts 20, 30, 40, 51, 70, and 76 to perform a licensing review of these fuel cycle facilities. Specifically, the regulations require that for uranium enrichment facilities a mandatory formal hearing is to be conducted under 10 CFR Part 2, Subpart G; and the applicants must receive a license before any construction can begin.

2.0 Objective

The NRC requires contractor technical expertise to assist with the licensing and inspection program and activities for GE-Hitachi Global Laser Enrichment (GLE) in support of the following: preparation of safety evaluation reports (SER), support of Advisory Committee on Reactor Safeguards (ACRS) presentations, and support for potential litigation or hearings.

3.0 Period of Performance and Level of Effort

The estimated level of effort for this task order is increased by 0.1 FTE from 0.1 FTE to 0.2 FTE to allow the contractor to provide additional technical support. The period of performance of this task order is from September 30, 2011 through September 28, 2012.

4.0 Scope of Work

The contractor shall provide the personnel, materials, and facilities necessary to perform the work ordered by the NRC under issuance of this task order. Specifically, the contractor shall provide to the NRC facility review submittals related to prospective licensing of GE-Hitachi. The contractor shall provide written evaluation in the form of an SER and Requests for Additional Information (RAI) as required. The following are descriptive types of tasks that may require evaluation under issuance of this task order.

Structural and Geotechnical Engineering Capabilities. This area may include evaluating (i) design capacity, (ii) structural analyses, (iii) seismic qualification, (iv) structural repair, (v) petrographic analyses, and (vi) advanced concrete design as required.

Electrical Power Distribution. This area may include evaluations of (i) electrical design coordination, (ii) short circuit analyses, and (iii) electrical loading evaluation.

Software Review and Digital Instrument and Control Capabilities. This area may include evaluation of digital communication in the areas of (i) independence of channels, (ii) transmission of data, (ii) and isolation from non-safety systems. Other potential reviews may involve safety related control systems during the (i) planning phase, (ii) requirement phase, and (iii) design and integration phase. Additionally, review may be required for design criteria commitments, quality assurance requirements, and management measures of electrical utility and digital instrumentation and control (I & C) as described in the license application and as they function on site, as they apply to Items Relied On For Safety (IROFS).

Mechanical Engineering and Materials Science. This area may include (i) inspection of mechanical equipment and evaluation of Non-Destructive Testing (NDT) techniques for both welded and stressed structures, (ii) materials testing including fatigue, stress corrosion cracking, and localized corrosion, (iii) analysis and design of mechanical systems, (iv) mechanical testing, (v) materials testing, (vi) root cause analyses, and (vii) nondestructive evaluation including radiography.

Hearing Support. Provide hearing support, as needed. Review the contentions admitted by the Atomic Safety Licensing Board (ASLB) that are related to seismic, structural design, and tornado and high wind hazard issues at the affected site and other contentions as identified by NRC staff. Review other hearing documentation related to the admitted issues. As requested, research and prepare documents needed by the NRC's Office of the General Counsel staff for hearing briefs and other ASLB submittals. Provide oral testimony as needed to support NRC documentation related to the admitted contentions as identified by NRC staff.

5.0 Technical Skills and Expertise

All personnel performing work under this task order shall have pertinent technical experience by discipline and technical area. The individuals shall have knowledge of the NRC applicable regulations and guidance under 10 CFR Parts 20, 30, 40, 51, 70, 76, and the applicable license applications. It is the responsibility of the contractor to propose technical staff, employees, subcontractors or specialists who have the required educational background, experience, or combination thereof, to meet both the technical and regulatory objectives of the work specified in the task order Statement of Work. The number of personnel required may vary during the course of the task order.

If work under any task order will be subcontracted or performed by subcontractors or consultants, the contractor shall obtain the NRC Contracting Officer's written approval of the subcontractors or consultant prior to initiation of the subcontracted effort. Conflict of interest considerations shall apply to any subcontracted effort.

6.0 Meetings and Travel

Specific requirements for meetings and travel will be specified under the issuance of each task order. For planning purposes, it is estimated the contractor may be expected to make 1 site visits during this period of support to GE-Hitachi in New Hanover County, NC. The duration of the site visit is estimated at 2-3 days. Additional meetings between the contractor and the NRC staff, the applicant/licensee, and possibly the licensee's architectural/engineering firm may be required. Should it be determined that travel to an as yet unidentified location is required, a modification to the task order will be issued by the NRC Contracting Officer.

7.0 Deliverables and Schedule

Deliverable	Completion Date
Deliverable 1: Prepare and provide Requests for Additional Information (RAI) to operations Building submittal	1 month after receipt of applicant submittal
NRC to provide comments to the contractor on RAIs	2 weeks following receipt of contractor input
Deliverable 2: Review applicant responses to RAIs for adequacy and provide additional RAIs if necessary.	1 month after receipt of responses for additional information
Deliverable 3: Provide draft input for the Safety Evaluation Report	3 weeks after receipt of responses to Requests for Additional Information
NRC to provide comments to the contractor on the Draft Safety Evaluation Report	4 weeks after the receipt of the Draft Safety Evaluation Report
Deliverable 4: Provide final input for the Safety Evaluation Report	1 month after receipt of comments from NRC

Deliverable 5: Research and prepare documents needed by the NRC's Office of the General Counsel staff for hearing briefs and other ASLB submittals.	3 weeks following request from NRC OGC
Provide oral testimony as needed to support NRC documentation related to the admitted contentions as identified by NRC staff.	To be determined.

The schedule for deliverables is subject to change. The NRC will notify the contractor prior to any changes to this schedule.

8.0 NRC Furnished Material

Any reports, documents, equipment, and other materials required by the contractor to perform the work will be stated in the NRC-furnished materials section of the task order. In general, the Technical Project Manager (TPM) will provide those NRC documents related to the task order that is readily available. Contractor staff will identify any additional NRC documentation that is needed and the TPM will determine whether it will be provided by NRC or obtained directly by the contractor from the ADAMS, the NRC Public Document Room, or the NRC public Web site. Any materials furnished by the NRC must be returned to the NRC upon completion of the task order, at the discretion of the NRC TPM.

NRC will provide the following information to the contractor as appropriate:

- License application and integrated safety analysis summary
- Applicants' responses to requests for additional information
- Applicable correspondence between the NRC and the applicant
- Applicable hearing documents
- Applicable NRC regulations and guidance material
- Other applicable information and documents necessary to perform the requested tasks under each task order

9.0 NRC Technical Assistance Project Manager and Technical Project Monitor

NRC COR for this contract is:

Brenda J. DuBose
U.S. Nuclear Regulatory Commission
Office of Nuclear Material Safety and Safeguards
Program Planning, Budgeting and Program Analysis Staff
Mail Stop: EBB-1-D2M
Washington, DC 20555
(301) 492-3247

Brenda.DuBose@nrc.gov

NRC TPM for this contract is:

James R. Downs
U.S. Nuclear Regulatory Commission
Office of Nuclear Material Safety and Safeguards
Division of Fuel Cycle Safety and Safeguards
Mail Stop: EBB-2-C40
Washington, DC 20555
(301) 492-3232
James.Downs@nrc.gov

Technical instructions may not constitute new assignments of work or changes of such a nature as to justify an adjustment in cost, schedule, or period of performance. The NRC COR is responsible for providing technical guidance to the contractor regarding staff interpretations of the technical aspects of regulatory requirements along with copies of relevant documents when requested by the contractor. All work products must be reviewed and approved by the NRC COR before they are submitted as final documents. All technical direction given to the contractor must be consistent with the work scope and schedule. The NRC COR is not authorized to unilaterally make changes to the approved work scope or schedule or give the contractor any direction that would increase costs over approved levels.