

ORDER FOR SUPPLIES OR SERVICES

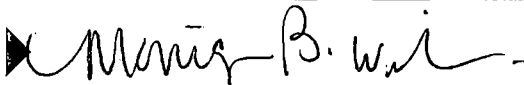
IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 2/6/2017		2. CONTRACT NO. (If any) NRC-HQ-13-C-03-0032		6. SHIP TO:	
3. ORDER NO. NRC-HQ-20-17-T-0001		4. REQUISITION/REFERENCE NO. NRR-17-0031		a. NAME OF CONSIGNEE	
5. ISSUING OFFICE (Address correspondence to) US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP TWFN-5E03 WASHINGTON DC 20555-0001				b. STREET ADDRESS	
7. TO:		c. CITY		d. STATE	e. ZIP CODE
a. NAME OF CONTRACTOR BECKMAN ASSOCIATES INC		f. SHIP VIA		8. TYPE OF ORDER	
b. COMPANY NAME		<input type="checkbox"/> a. PURCHASE		<input checked="" type="checkbox"/> b. DELIVERY	
c. STREET ADDRESS 1071 STATE RTE 136 SUITE 20		REFERENCE YOUR:		Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY BELLE VERNON		e. STATE PA	f. ZIP CODE 150122926	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.	
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE OFF OF NUCLEAR REACTOR REGULATION	
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input 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					12. F.O.B. POINT
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION Destination	b. ACCEPTANCE Destination			16. DISCOUNT TERMS	

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 Contractor shall provide Design Bases Inspection Support Services in accordance with the Task Order Statement of Work. Total Obligation Amount: \$350,000.00 Total Task Order Ceiling: \$2,083,044.82 Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	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
	b. STREET ADDRESS (or P.O. Box) ONE WHITE FLINT NORTH			
c. CITY	d. STATE	e. ZIP CODE	\$2,083,044.82	17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature) 	23. NAME (Typed) MONIQUE B. WILLIAMS TITLE: CONTRACTING/ORDERING OFFICER
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AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (Rev. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

MAY - 1 2017

ADM002

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

PAGE NO

2

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

DATE OF ORDER

CONTRACT NO.

NRC-HQ-13-C-03-0032

ORDER NO.

NRC-HQ-20-17-T-0001

ITEM NO.	SUPPLIES/SERVICES	QUANTITY ORDERED	UNIT	UNIT PRICE	AMOUNT	QUANTITY ACCEPTED
(a)	(b)	(c)	(d)	(e)	(f)	(g)
	Accounting Info: 2017-X0200-FEEBASED-20-20D003-1054-11-5-139-251A-11-5-139-1054 Period of Performance: 01/09/2017 to 12/31/2017					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

CONTRACTOR ACCEPTANCE OF TASK ORDER NRC-HQ-20-17-T-0001

Acceptance of Task Order No: NRC-HQ-20-17-T-0001 should be made by having an official, authorized to bind your organization, execute two copies of this document in the space provided and return one copy to the Contracting Officer. You should retain the other copy for your records.

Accepted Task Order No: NRC-HQ-20-17-T-0001:

Kathleen Llyad Forte
Name

VP of Operations
Title

1/6/2017
Date

SECTION B – TASK ORDER TERMS AND CONDITIONS

B.1 NRCB010 BRIEF PROJECT TITLE AND WORK DESCRIPTION

(a) The title of this project is DESIGN BASES INSPECTIONS (DBAs) FOR INSPECTIONS AT 20 U.S. NUCLEAR REGULATORY SITES.

b) Summary of work description: The contractor shall assist the NRC inspection teams in the performance of DBAs at the 1) Peach Bottom; 2) Oconee; 3) Harris; 4) Duane Arnold; 5) Farley; 6) River Bend Station; 7) Salem; 8) Point Beach; 9) Turkey Point; 10) Callaway; 11) Pilgrim; 12) Perry; 13) Surry; 14) Grand Gulf; 15) Nine Mile Point; 16) Summer; 17) Waterford; 18) Beaver Valley; 19) Palisades; and 20) Quad Cities Nuclear Reactor sites.

B.2 PRICE SCHEDULE

DIRECT LABOR	Est. Labor Hours	Direct Labor Dollars
Peach Bottom		
Oconee		
Harris		
Duane Arnold		
Farley		
River Bend Station		
Salem		
Point Beach		
Turkey Point		
Callaway		
Pilgrim		
Perry		
Surry		
Grand Gulf		
None Mile Point		
Summer		
Waterford		
Beaver Valley		
Palisades		
Quad Cities		
Direct Labor - Annual Training & Overtime		
Total Direct Labor		
OVERHEAD	Overhead Rate	
TRAVEL		

SUBTOTAL DIRECT LABOR		\$1,438,646.99
CONSULTANTS & SUBCONTRACTORS		
	Est. Labor Hours	Direct Consultant & Subcontractor Cost
Peach Bottom	[REDACTED]	[REDACTED]
Oconee	[REDACTED]	[REDACTED]
Harris	[REDACTED]	[REDACTED]
Duane Arnold	[REDACTED]	[REDACTED]
Farley	[REDACTED]	[REDACTED]
River Bend Station		\$0.00
Salem	[REDACTED]	[REDACTED]
Point Beach		\$0.00
Turkey Point		\$0.00
Callaway		\$0.00
Pilgrim	[REDACTED]	[REDACTED]
Perry	[REDACTED]	\$0.00
Surry	[REDACTED]	[REDACTED]
Grand Gulf		\$0.00
Nine Mile Point	[REDACTED]	[REDACTED]
Summer	[REDACTED]	[REDACTED]
Waterford	[REDACTED]	\$0.00
Beaver Valley	[REDACTED]	[REDACTED]
Palisades		\$0.00
Quad Cities		\$0.00
Consultants & Subcontractors-Annual Training	[REDACTED]	[REDACTED]
Total Consultants & Subcontractors	[REDACTED]	[REDACTED]
TRAVEL		[REDACTED]
SUBTOTAL CONSULTANTS & SUBCONTRACTORS		[REDACTED]
G&A CALCULATION		
	Total Costs Before G&A	[REDACTED]
	G&A Rate	[REDACTED]
	Total Costs Before Fixed Fee	[REDACTED]
FIXED FEE CALCULATION		
	Total Cost Before Fixed Fee	[REDACTED]
	Less Travel	[REDACTED]
	Subtotal	[REDACTED]
	Fee	[REDACTED]
	Percentage	[REDACTED]
TOTAL AMOUNT OF COST ESTIMATE		

B.3 NRCB040A CONSIDERATION AND OBLIGATION--COST-PLUS-FIXED-FEE ALTERNATE I

(a) The total estimated cost to the Government for full performance of this task order is \$2,083,044.82, of which the sum of \$1,978,738.51 represents the estimated reimbursable costs, and of which \$104,306.31 represents the fixed-fee.

(b) There shall be no adjustment in the amount of the Contractor's fixed-fee.

(c) The amount obligated by the Government with respect to this contract is \$350,000.00, of which the sum of \$329,000.00 represents the estimated reimbursable costs, and of which \$21,000.00 represents the fixed-fee.

(d) This is not a fully-funded contract and FAR 52.232-20 - "Limitation of Cost" and FAR 52.232-22 "Limitation of Funds" applies.

(e) In accordance with FAR 52.216-8 - Fixed Fee, it is the policy of the NRC to withhold payment of fee after payment of 85 percent of the fee has been paid in order to protect the Government's interest. The amount of fixed-fee withheld from the contractor will not exceed 15 percent of the total fee or \$100,000, whichever is less. Accordingly, the maximum amount of fixed-fee that may be held in reserve is \$14,211.21.

B.4 TASK/DELIVERY ORDER PERIOD OF PERFORMANCE (AUG 2011)

This contract shall commence on January 9, 2017 and will expire on December 31, 2017.

B.5 DBA SCHEDULE

Site	Licensee	Schedule	Electrical Contractor	Mechanical Contractor
Peach Bottom	Exelon Generation Co.	01/23/2017 - 02/24/2017	Kobylarz	Yeminy
Oconee	Duke Energy Carolinas, LLC	02/27/2017 - 03/31/2017	Kobylarz	Baron
Harris	Duke Energy Progress, Inc.	03/13/2017 - 04/14/2017	Nicely	Yeminy

Duane Arnold	NextEra Energy Duane Arnold, LLC	04/24/2017 - 05/26/2017	Kobylarz	Yeminy
Farley	Southern Nuclear Operating Co.	04/24/2017 - 05/26/2017	Della Greca	Baron
River Bend Station	Entergy Operations, Inc.	06/05/2017 - 07/07/2017	S. Gardner	Baron
Salem	PSE&G Nuclear, LLC	06/19/2017 - 07/21/2017	Kobylarz	Yeminy
Point Beach	NextEra Energy Point Beach, LLC	06/19/2017- 07/21/2017	Hopf	Zudans
Turkey Point	Florida Power & Light Co.	07/10/2017 - 08/11/2017	Leake	Waters
Callaway	Union Electric Co.	07/10/2017 - 08/11/2017	Nicely	Baron
Pilgrim	Entergy Nuclear Operations, Inc.	07/24/2017 - 08/25/2017	Kobylarz	Yeminy
Perry	FirstEnergy Nuclear Operating Co.	08/07/2017 - 09/08/2017	Hopf	Baron
Surry	Virginia Electric and Power Co.	08/07/2017 - 09/08/2017	Della Greca	Sherbin
Grand Gulf	Entergy Operations, Inc.	09/04/2017 - 10/06/2017	S. Gardner	Baron
Nine Mile Point	Nine Mile Point Nuclear Station, LLC	09/11/2017 - 10/13/2017	Kobylarz	Yeminy
Summer	South Carolina Electric and Gas Co.	09/25/2017 - 11/03/2017	Della Greca	Sherbin
Waterford	Entergy Operations, Inc.	10/16/2017 - 11/24/2017	S. Gardner	Baron
Beaver Valley	FirstEnergy Nuclear Operating Co.	10/23/2017 - 11/24/2017	Kobylarz	Yeminy
Palisades	Entergy Operations, Inc.	10/23/2017 - 11/24/2017	Nicely	Zudans
Quad Cities	Exelon Generation Co., LLC	11/06/2017 12/08/2017	Leake	Sherbin

SECTION C – STATEMENT OF WORK

1. PROJECT TITLE

Design Bases Assurance Inspections (DBAs) for inspections at 20 sites

2. BACKGROUND

In accordance with the baseline inspection portion of the Reactor Oversight Process (ROP), the U.S. Nuclear Regulatory Commission (NRC) inspects various activities at nuclear power reactor plants.

3. OBJECTIVE

The objective of this task order is to obtain contractor support to assist the NRC inspection teams in the performance of DBAs at the 1) Peach Bottom; 2) Oconee; 3) Harris; 4) Duane Arnold; 5) Farley; 6) River Bend Station; 7) Salem; 8) Point Beach; 9) Turkey Point; 10) Callaway; 11) Pilgrim; 12) Perry; 13) Surry; 14) Grand Gulf; 15) Nine Mile Point; 16) Summer; 17) Waterford; 18) Beaver Valley; 19) Palisades; and 20) Quad Cities. The CDBI inspection procedure was renamed to Design Bases Assurance (DBA) inspection starting in CY2017. The requirements are:

Each DBA requires one mechanical systems engineer and one electrical systems engineer.

See section B.2 which contains the CY 2017 DBA inspection schedule. The inspection schedule may change during CY2017. Given that no date revisions will exceed this task order's overall period of performance, changes to individual inspection dates will be provided to the contractor by the NRC Contracting Officer Representative (COR).

3. SCOPE OF WORK

The contractor shall provide technical support to the assigned NRC Regional Team Leader (RTL) during the performance of the above DBAs in accordance with the inspection schedule. The following Inspection Procedures (IP) and Inspection Manual Chapter (IMC) will be used:

"IP 71111.21M, Design Bases Assurance (DBA) Inspection (Team)"

"IP 71111.21N, Design Bases Assurance (DBA) Inspection (Program)"

"IMC 0612, Power Reactor Inspection Reports"

The NRC RTL may issue technical direction during the duration of the task order. Technical direction must be within the general Statement of Work stated in the task order, and shall not constitute new assignments of work or changes of such nature as to justify an adjustment in cost or period of performance. The contractor shall refer to the basic contract for further information and guidance on any technical directions issued under this task order.

Any modifications to the scope of work, cost, or period of performance of the task order must be issued by the Contracting Officer and will be coordinated with the COR.

The proposal should also include a monthly estimate of expenditures (spending plan).

3.1 SPECIFIC TASKS

The below four specific elements should be performed for each of the above DBAs, and shall be performed in accordance with the requirements, standards, deliverables, and completion timeframes specified in the base contract's Statement of Work.

4.1 Element 1 - Inspection Preparation

4.2 Element 2 - Conduct Onsite Inspections

4.3 Element 3 - Conduct Home Office Inspection: Input Preparation

4.4 Element 4 - Documentation of Inspection Results

3.2 TECHNICAL REPORTING REQUIREMENTS FOR EACH INSPECTION

The technical reporting requirements for each of the above DBAs shall be performed in accordance with the requirements specified in paragraph 1.9.1 of the base contract.

3.3 PERSONNEL REQUIREMENTS

The engineering inspection specialists shall have a design background (such as from an architect-engineer firm) and experience/knowledge regarding:

- 1) Design, analysis, operations, installation, modification, maintenance and testing of nuclear plant safety systems.
- 2) Reviewing design basis and detailed design (calculations, drawings, etc.) of nuclear plant safety systems.

All of the specialists should have knowledge/experience with NRC regulations and risk informed inspection methodology.

It shall be the responsibility of the contractor to assign qualified technical staff, employees, and subcontractors, who have the required educational background, experience, or combination thereof, to meet both the technical and regulatory objectives of the work specified in this Statement of Work (SOW). The NRC will rely on representation made by the contractor concerning the qualifications of the personnel proposed for assignment to this task order including assurance that all information contained in the technical and cost proposals, including resumes and conflict of interest disclosures, is accurate and truthful.

3.4 MEETINGS AND TRAVEL

One 5-day trip to region

Two 5-day trips to plant site for each DBA.

Above travel estimate is per individual and may be adjusted for holidays. The contractors shall coordinate all travel arrangements in advance with the RTL. Off-normal travel time may be required to ensure timely arrival at the site, as scheduled by RTL.

3.5 NRC FURNISHED MATERIAL

Documents required to prepare for the inspection will be provided by Team Leaders.

3.6 OTHER APPLICABLE INFORMATION

The inspection work specified in this SOW is 100% **licensee fee recoverable**. The contractor shall provide fee recovery information in the monthly progress reports in accordance with the requirements of the basic contract.

Training and any generic costs (e.g., drug testing) will be specified as non-fee billable costs.

A graphical schedule of the 2017 inspections is also included.

SECTION D - PACKING AND MARKING

D.1 NRCD020 BRANDING

The Contractor is required to use the statement below in any publications, presentations, articles, products, or materials funded under this contract task order, to the extent practical, in order to provide NRC with recognition for its involvement in and contribution to the project. If the work performed is funded entirely with NRC funds, then the contractor must acknowledge that information in its documentation/presentation. Work Supported by the U.S. Nuclear Regulatory Commission (NRC), Office of Nuclear Reactor Regulation, under Contract task order number NRC-HQ-13-C-03-0032/ NRC-HQ-20-17-T-0001.

(End of Clause)

D.2 NRCD010 PACKAGING AND MARKING

(a) The Contractor shall package material for shipment to the NRC in such a manner that will ensure acceptance by common carrier and safe delivery at destination. Containers and closures shall comply with the Surface Transportation Board, Uniform Freight Classification Rules, or regulations of other carriers as applicable to the mode of transportation.

(b) On the front of the package, the Contractor shall clearly identify the contract number under which the product is being provided.

(c) Additional packaging and/or marking requirements are as follows: None.

(End of Clause)

SECTION E - INSPECTION AND ACCEPTANCE

E.1 CONTRACTING OFFICER'S REPRESENTATIVE (COR) AUTHORITY

1. The COR for this task order is:

Mr. James Isom

Office: Office of Nuclear Reactor Regulation

Mailstop: OWFN/7D-12

Rockville, MD 20852

Phone: 301-415-1109

Email: James.Isom@nrc.gov

2. Performance of the work under this task order is subject to the technical direction of the NRC COR. The term "technical direction" is defined to include the following:
 - i. 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 Performance Work Statement (PWS) or changes to specific travel identified in the PWS), fills in details, or otherwise serves to accomplish the contractual PWS.
 - ii. Provide advice and guidance to the contractor in the preparation of drawings, specifications, or technical portions of the work description.
 - iii. Review and, where required by the task order contract, approval of technical reports, drawings, specifications, and technical information to be delivered by the contractor to the Government under the contract.
3. Technical direction must be within the general statement of work stated in the task order. The COR does not have the authority to and may not issue any technical direction which:
 - i. Constitutes an assignment of work outside the general scope of the contract.
 - ii. Constitutes a change as defined in the "Changes" clause of this contract.
 - iii. 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.
 - iv. Changes any of the expressed terms, conditions, or specifications of the contract.
 - v. Terminates the contract, settles any claim or dispute arising under the contract, or issues any unilateral directive whatever.

4. Technical directions must be issued in writing by the COR or must be confirmed by the COR 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.
5. The contractor shall proceed promptly with the performance of technical directions duly issued by the COR in the manner prescribed by this clause and within the COR's authority under the provisions of this clause.
6. If, in the opinion of the contractor, any instruction or direction issued by the COR is within one of the categories as 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 the 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.
7. Any unauthorized commitment or direction issued by the COR 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.
8. 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 thereto is subject to 52.233-1, Disputes.
9. In addition to providing technical direction as defined in paragraph (b) of the section, the COR shall:
 - a. Monitor the contractor's technical progress, including surveillance and assessment of performance, and recommend to the Contracting Officer changes in requirements.
 - b. Assist the contractor in the resolution of technical problems encountered during performance.
 - c. 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.
 - d. Assist the contractor in obtaining the badges for the contractor personnel.
 - e. Immediately notify the Security Branch, Division of Facilities and Security (SB/DFS) (via e-mail) when a contractor employee no longer requires access authorization and return of any NRC issued badge to SB/DFS within three days after their termination.

- f. Ensure that all contractor employees that require access to classified Restricted Data or National Security Information or matter, access to sensitive unclassified information (Safeguards, Official Use Only, and Proprietary information) access to sensitive IT systems or data, unescorted access to NRC controlled buildings/space, or unescorted access to protected and vital areas of nuclear power plants receive approval of SB/DFS prior to access in accordance with Management Directive and Handbook 12.3.
- g. For contracts for the design, development, maintenance or operation of Privacy Act Systems of Records, obtain from the contractor as part of closeout procedures, written certification that the contractor has returned to NRC, transferred to the successor contractor, or destroyed at the end of the contract in accordance with instructions provided by the NRC Systems Manager for Privacy Act Systems of Records, all records (electronic or paper) which were created, compiled, obtained or maintained under the contract.

SECTION F – DELIVERIES OR PERFORMANCE

F.1 NRCF010 PLACE OF DELIVERY-REPORTS

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

a. Name: James Isom (1 Electronic Copy)
Contracting Officer's Representative (COR)
Address: James.Isom@nrc.gov

b. Name: Jerry Purcell (1 Electronic Copy)
Contract Specialist (CS)
Address: Jerry.Purcell@nrc.gov

(End of Clause)

SECTION G – CONTRACT ADMINISTRATION DATA

G.1 NRCG030 ELECTRONIC PAYMENT (SEP 2014)

The Debt Collection Improvement Act of 1996 requires that all payments except IRS tax refunds be made by Electronic Funds Transfer. Payment shall be made in accordance with FAR 52.232-33, entitled "Payment by Electronic Funds- Central Contractor Registration".

To receive payment, the contractor shall prepare invoices in accordance with NRC's Billing Instructions. Claims shall be submitted on the payee's letterhead, invoice, or on the Government's Standard Form 1034, "Public Voucher for Purchases and Services Other than Personal," and Standard Form 1035, "Public Voucher for Purchases Other than Personal - Continuation Sheet." The preferred method of submitting invoices is electronically to the Department of the Interior at NRCPayments@nrc.gov. If the contractor submits a hard copy of the invoice, it shall be submitted to the following address:

NRC Payments
U.S. Nuclear Regulatory Commission
One White Flint North
Mailstop O3-E17A
11555 Rockville Pike
Rockville, MD 20852-2738

(End of Clause)

G.2 USE OF AUTOMATED CLEARING HOUSE (ACH) ELECTRONIC PAYMENT/REMITTANCE ADDRESS (AUG 2011)

The Debt Collection Improvement Act of 1996 requires that all Federal payments except IRS tax refunds be made by Electronic Funds Transfer. It is the policy of the Nuclear Regulatory Commission to pay government vendors by the Automated Clearing House (ACH) electronic funds transfer payment system. Item 15C of the Standard Form 33 may be disregarded.

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:

Name/Title

Kathleen Lloyd Forte, Project Manager

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 NRCH470 GREEN PURCHASING (SEP 2013)

(a) In furtherance of the sustainable acquisition goals included in Executive Order 13514, "Federal Leadership in Environmental, Energy, and Economic Performance," products and services acquired under this contract/order shall be energy-efficient (Energy Star or Federal Energy Management Program (FEMP) designated), water-efficient, biobased, environmentally preferable (e.g., Electronic Product Environmental Assessment Tool (EPEAT) certified), nonozone depleting, recycled content, and non-toxic or less toxic alternatives, to the maximum extent practicable in meeting NRC contractual requirements.

(b) See NRC's Green Purchasing Plan (GPP) at: <http://pbadupws.nrc.gov/docs/ML1219//ML12191A130.pdf> and the General Service Administration's (GSA) Green Procurement Compilation at: <http://www.gsa.gov/portal/content/198257>.

(c) The contractor shall flow down this clause into all subcontracts and other agreements that relate to performance of this contract/order.

(End of Clause)

H.3 NRCH410 WHISTLEBLOWER PROTECTION FOR NRC CONTRACTOR AND SUBCONTRACTOR EMPLOYEES

(a) The U.S. Nuclear Regulatory Commission (NRC) contractor and its subcontractor are subject to the Whistleblower Employee Protection public law provisions as codified at 42 U.S.C. 5851. NRC contractor(s) and subcontractor(s) shall comply with the requirements of this Whistleblower Employee Protection law, and the implementing regulations of the NRC and the Department of Labor (DOL). See, for example, DOL Procedures on Handling Complaints at 29 C.F.R. Part 24 concerning the employer obligations, prohibited acts, DOL procedures and the requirement for prominent posting of notice of Employee Rights at Appendix A to Part 24 entitled: "Your Rights Under the Energy Reorganization Act".

(b) Under this Whistleblower Employee Protection law, as implemented by regulations, NRC contractor and subcontractor employees are protected from discharge, reprisal, threats, intimidation, coercion, blacklisting or other employment discrimination practices with respect to compensation, terms, conditions or privileges of their employment because the contractor or subcontractor employee(s) has provided notice to the employer, refused to engage in unlawful practices, assisted in proceedings or testified on activities concerning alleged violations of the Atomic Energy Act of 1954 (as amended) and the Energy Reorganization Act of 1974 (as amended).

(c) The contractor shall insert this or the substance of this clause in any subcontracts involving work performed under this contract.

(End of Clause)

H.4 NRCH400 SECURITY REQUIREMENTS RELATING TO THE PRODUCTION OF REPORT(S) OR THE PUBLICATION OF RESULTS UNDER CONTRACTS, AGREEMENTS, AND GRANTS

Review and Approval of Reports

(a) Reporting Requirements. The contractor/grantee shall comply with the terms and conditions of the contract/grant regarding the contents of the draft and final report, summaries, data, and related documents, to include correcting, deleting, editing, revising, modifying, formatting, and supplementing any of the information contained therein, at no additional cost to the NRC. Performance under the contract/grant will not be deemed accepted or completed until it complies with the NRC's directions. The reports, summaries, data, and related documents will

be considered draft until approved by the NRC. The contractor/grantee agrees that the direction, determinations, and decisions on approval or disapproval of reports, summaries, data, and related documents created under this contract/grant remain solely within the discretion of the NRC.

(b) Publication of Results. Prior to any dissemination, display, publication, or release of articles, reports, summaries, data, or related documents developed under the contract/grant, the contractor/grantee shall submit them to the NRC for review and approval. The contractor/grantee shall not release, disseminate, display or publish articles, reports, summaries, data, and related documents, or the contents therein, that have not been reviewed and approved by the NRC for release, display, dissemination or publication. The contractor/grantee agrees to conspicuously place any disclaimers, markings or notices, directed by the NRC, on any articles, reports, summaries, data, and related documents that the contractor/grantee intends to release, display, disseminate or publish to other persons, the public, or any other entities. The contractor/grantee agrees, and grants, a royalty-free, nonexclusive, irrevocable worldwide license to the government, to use, reproduce, modify, distribute, prepare derivative works, release, display or disclose the articles, reports, summaries, data, and related documents developed under the contract/grant, for any governmental purpose and to have or authorize others to do so.

(c) Identification/Marking of Sensitive Unclassified Non-Safeguards Information (SUNSI) and Safeguards Information (SGI). The decision, determination, or direction by the NRC that information possessed, formulated or produced by the contractor/grantee constitutes SUNSI or SGI is solely within the authority and discretion of the NRC. In performing the contract/grant, the contractor/grantee shall clearly mark SUNSI and SGI, to include for example, OUO-Allegation Information or OUO-Security Related Information on any reports, documents, designs, data, materials, and written information, as directed by the NRC. In addition to marking the information as directed by the NRC, the contractor shall use the applicable NRC cover sheet (e.g., NRC Form 461 Safeguards Information) in maintaining these records and documents. The contractor/grantee shall ensure that SUNSI and SGI is handled, maintained and protected from unauthorized disclosure, consistent with NRC policies and directions. The contractor/grantee shall comply with the requirements to mark, maintain, and protect all information, including documents, summaries, reports, data, designs, and materials in accordance with the provisions of Section 147 of the Atomic Energy Act of 1954 as amended, its implementing regulations (10 CFR 73.21), Sensitive Unclassified Non-Safeguards and Safeguards Information policies, and NRC Management Directives and Handbooks 12.5, 12.6 and 12.7.

(d) Remedies. In addition to any civil, criminal, and contractual remedies available under the applicable laws and regulations, failure to comply with the above provisions, and/or NRC directions, may result in suspension, withholding, or offsetting of any payments invoiced or claimed by the contractor/grantee.

(e) Flowdown. If the contractor/grantee intends to enter into any subcontracts or other agreements to perform this contract/grant, the contractor/grantee shall include all of the above provisions in any subcontracts or agreements.

(End of Clause)

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

J.1 BILLING INSTRUCTIONS FOR COST-REIMBURSEMENT TYPE CONTRACTS (MAY 2013)

General: During performance and through final payment of this contract, the contractor is responsible for the accuracy and completeness of data within the Central Contractor Registration (CCR) database and for any liability resulting from the Government's reliance on inaccurate or incomplete CCR data.

The contractor shall prepare invoices/vouchers for reimbursement of costs in the manner and format described herein. FAILURE TO SUBMIT INVOICES/VOUCHERS IN ACCORDANCE WITH THESE INSTRUCTIONS MAY RESULT IN REJECTION OF THE INVOICE/VOUCHER AS IMPROPER.

Standard Forms: Reimbursement requests shall be submitted on the payee's letterhead, invoice/voucher, or on the Government's Standard Form 1034, "Public Voucher for Purchases and Services Other than Personal," and Standard Form 1035, "Public Voucher for Purchases Other than Personal—Continuation Sheet."

Electronic Invoice/Voucher Submissions: The preferred method of submitting invoices/vouchers is electronically to the U.S. Nuclear Regulatory Commission, via email to: NRCPayments@nrc.gov.

Hard-Copy Invoice/Voucher Submissions: If you submit a hard-copy of the invoice/voucher, a signed original and supporting documentation shall be submitted to the following address:

NRC Payments

U.S. Nuclear Regulatory Commission

One White Flint North

11555 Rockville Pike

Mailstop O3-E17A

Rockville, MD 20852-2738

Purchase of Capital Property: (*\$50,000 or more with life of one year or longer*)

Contractors must report to the Contracting Officer, electronically, any capital property acquired with contract funds having an initial cost of \$50,000 or more, in accordance with procedures set forth in NRC Management Directive (MD) 13.1, IV, C – "Reporting Requirements" (revised 2/16/2011).

Agency Payment Office: Payment will continue to be made by the office designated in the contract in Block 12 of the Standard Form 26, or Block 25 of the Standard Form 33, whichever is applicable.

Frequency: The contractor shall submit requests for reimbursement once each month, unless otherwise authorized by the Contracting Officer.

Format: Invoices/Vouchers shall be submitted in the format depicted on the attached sample form entitled "Invoice/Voucher for Purchases and Services Other Than Personal". Alternate formats are permissible only if they address all requirements of the Billing Instructions. The instructions for preparation and itemization of the invoice/voucher are included with the sample form.

Task Order Contracts: The contractor must submit a separate invoice/voucher for each individual task order with detailed cost information. This includes all applicable cost elements and other items discussed in paragraphs (a) through (s) of the attached instructions. In addition, the invoice/voucher must specify the contract number, and the NRC-assigned task/delivery order number.

Billing of Costs after Expiration of Contract: If costs are incurred during the contract period and invoiced after the contract has expired, you must cite the period during which these costs were incurred. To be considered a proper expiration invoice/voucher, the contractor shall clearly mark it "EXPIRATION INVOICE" or "EXPIRATION VOUCHER".

Final invoices/vouchers shall be marked "FINAL INVOICE" or "FINAL VOUCHER".

Currency: Invoices/Vouchers must be expressed in U.S. Dollars.

Supersession: These instructions supersede previous Billing Instructions for Cost-Reimbursement Type Contracts (July 2011).

J.2 INVOICE/VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL (SAMPLE FORMAT - COVER SHEET)

1. Official Agency Billing Office

NRC Payments

U.S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mailstop O3-E17A

Rockville, MD 20852-2738

2. Invoice/Voucher Information

- a. Payee's DUNS Number or DUNS+4. The Payee shall include the Payee's Data Universal Number (DUNS) or DUNS+4 number that identifies the Payee's name and address. The DUNS+4 number is the DUNS number plus a 4-character suffix that may be assigned at the discretion of the Payee to identify alternative Electronic Funds Transfer (EFT) accounts for the same parent concern.
- b. Taxpayer Identification Number. The Payee shall include the Payee's taxpayer identification number (TIN) used by the Internal Revenue Service (IRS) in the administration of tax laws. (See IRS Web site: [http://www.irs.gov/Businesses/Small-Businesses-&Self-Employed/Employer-ID-Numbers-\(EINs\)](http://www.irs.gov/Businesses/Small-Businesses-&Self-Employed/Employer-ID-Numbers-(EINs))).
- c. Payee's Name and Address. Show the name of the Payee as it appears in the contract and its correct address. If the Payee assigns the proceeds of this contract as provided for in the assignment of claims terms of this contract, the Payee shall require as a condition of any such assignment, that the assignee shall register separately in the Central Contractor Registration (CCR) database at <http://www.ccr.gov> and shall be paid by EFT in accordance with the terms of this contract. See Federal Acquisition Regulation (FAR) 52.232-33(g) Payment by Electronic Funds Transfer - Central Contractor Registration (October 2003).
- d. Contract Number. Insert the NRC contract number (including Enterprise-wide Contract (EWC)), GSA Federal Supply Schedule (FSS), Governmentwide Agency Contract (GWAC) number, or Multiple Agency Contract (MAC) number, as applicable.
- e. Task Order Number. Insert the task/delivery order number (If Applicable). **Do not include more than one task order per invoice or the invoice may be rejected as improper.**
- f. Invoice/Voucher. The appropriate sequential number of the invoice/voucher, beginning with 001 should be designated. Contractors may also include an individual internal accounting number, if desired, in addition to the 3-digit sequential number.
- g. Date of Invoice/Voucher. Insert the date the invoice/voucher is prepared.

h. Billing Period. Insert the beginning and ending dates (day, month, year) of the period during which costs were incurred and for which reimbursement is requested.

i. Description of Deliverables. Provide a brief description of supplies or services, quantity, unit cost, and total cost.

j. Work Completed. Provide a general summary description of the services performed or products submitted for the invoice period and specify the section or Contract Line Item Number (CLIN) or SubCLIN in the contract pertaining to the required deliverable(s).

k. Shipping. Insert weight and zone of shipment, if shipped by parcel post.

l. Charges for freight or express shipments. Attach prepaid bill if shipped by freight or express.

m. Instructions. Include instructions to consignee to notify the Contracting Officer of receipt of shipment.

n. For Indefinite Delivery contracts, the final invoice/voucher shall be marked "FINAL INVOICE" or "FINAL VOUCHER".

o. Direct Costs. Insert the amount billed for the following cost elements, adjustments, suspensions, and total amounts, for both the current billing period and for the cumulative period (from contract inception to end date of this billing period).

(1) Direct Labor. This consists of salaries and wages paid (or accrued) for direct performance of the contract itemized as follows:

Labor <u>Category</u>	Hours <u>Billed</u>	<u>Rate</u>	<u>Total</u>	Cumulative <u>Hours Billed</u>
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(2) Fringe Benefits. This represents fringe benefits applicable to direct labor and billed as a direct cost. Where a rate is used indicate the rate. Fringe benefits included in direct labor or in other indirect cost pools should not be identified here.

(3) Contractor-acquired property (\$50,000 or more). List each item costing \$50,000 or more and having a life expectancy of more than one year. List only those items of equipment for which reimbursement is requested. For each such item, list the following (as applicable): (a) an item description, (b) manufacturer, (c) model number, (d) serial number, (e) acquisition cost, (f) date of purchase, and (g) a copy of the purchasing document.

(4) Contractor-acquired property (under \$50,000), Materials, and Supplies. These are equipment other than that described in (3) above, plus consumable materials and supplies. List by category. List items valued at \$1,000 or more separately. Provide the item number for each piece of equipment valued at \$1,000 or more.

(5) Premium Pay. This enumeration in excess of the basic hourly rate. (Requires written approval of the Contracting Officer.)

(6) Consultant Fee. The supporting information must include the name, hourly or daily rate of the consultant, and reference the NRC approval (if not specifically approved in the original contract).

(7) Travel. Total costs associated with each trip must be shown in the following format:

<u>Start Date</u>		<u>Destination</u>		<u>Costs</u>
From	To	From	To	\$

(Must include separate detailed costs for airfare, per diem, and other transportation expenses. All costs must be adequately supported by copies of receipts or other documentation.)

(8) Subcontracts. Include separate detailed breakdown of all costs paid to approved subcontractors during the billing period.

(9) Other Costs. List all other direct costs by cost element and dollar amount separately.

p. Indirect Costs (Overhead and General and Administrative Expense). Cite the formula (rate and base) in effect in accordance with the terms of the contract, during the time the costs were incurred and for which reimbursement is requested.

q. Fixed-Fee. If the contract provides for a fixed-fee, it must be reimbursed as indicated in the contract. Cite the formula or method of computation. Include this information as it applies to individual task orders as well.

(1) The NRC will withhold payment of 15% of the negotiated contract fixed-fee amount, not to exceed \$100,000.

(2) If the fee withholding amount has reached \$100,000, the contractor may resume billing the NRC for the balance of its fee under subsequent invoices for work completed.

(3) Any fee amounts withheld by the NRC will be paid to the contractor during contract closeout in increments, following the submission/settlement of indirect rate proposals in accordance with FAR 52.216-8, "Fixed Fee" (JUN 2011).

r. Total Amount Billed. Insert columns for total amounts for the current and cumulative periods.

s. Adjustments. Insert columns for any adjustments, including outstanding suspensions for deficient or defective products or nonconforming services, for the current and cumulative periods.

t. Grand Totals.

3. Sample Invoice/Voucher Information

Sample Invoice/Voucher Information (Supporting Documentation must be attached)

This invoice/voucher represents reimbursable costs for the billing period from ____ through ____.

		<u>Amount Billed</u>	
		<u>Current Period</u>	<u>Cumulative</u>
(a)	<u>Direct Costs</u>		
(1)	Direct labor	\$ _____	\$ _____
(2)	Fringe benefits (% of direct labor)	\$ _____	\$ _____
(3)	Government property (\$50,000 or more)	\$ _____	\$ _____
(4)	Government property, Materials, and Supplies (under \$50,000 per item)	\$ _____	\$ _____
(5)	Premium pay (NRC approved overtime)	\$ _____	\$ _____
(6)	Consultants Fee	\$ _____	\$ _____
(7)	Travel	\$ _____	\$ _____
(8)	Subcontracts	\$ _____	\$ _____
(9)	Other costs	\$ _____	\$ _____
	Total Direct Costs:	\$ _____	\$ _____

(b) Indirect Costs (provide the rate information applicable to your firm)

(10) Overhead ___ % of
_____ (Indicate Base) \$ _____ \$ _____

(11) General and Administrative (G&A) ___ %
of _____ (Indicate Base) \$ _____ \$ _____

Total Indirect Costs: \$ _____ \$ _____

(c) **Fixed-Fee:**

- (12) Fixed-Fee Calculations:
- i. Total negotiated contract fixed-fee percent ___ and amount \$ _____
 - ii. 85% allowable fee amount \$ _____
 - iii. Cumulative fee billed on prior invoices \$ _____
 - iv. Fee due this invoice (*not to exceed 85% of fee earned based upon negotiated contract fee percentage*) \$ _____

Note: The fee balance withheld by NRC may not exceed \$100,000.

Total Fixed-Fee: \$ _____ \$ _____

(d) **Total Amount Billed** \$ _____ \$ _____

(e) **Adjustments (+/-)** \$ _____ \$ _____

(f) **Grand Total** \$ _____ \$ _____

(The invoice/voucher format provided above must include information similar to that included below in the following to ensure accuracy and completeness.)

SAMPLE SUPPORTING INFORMATION

The budget information provided below is for format purposes only and is illustrative.

Cost Elements:

1) Direct Labor - \$2,400

<u>Labor Category</u>	<u>Hours Billed</u>	<u>Rate</u>	<u>Total</u>	<u>Cumulative Hours Billed</u>
Senior Engineer I	100	\$14.00	\$1,400	975
Engineer	50	\$10.00	\$ 500	465
Computer Analyst	100	\$ 5.00	<u>\$ 500</u>	<u>320</u>
			\$2,400	1,760 hrs.

2) Fringe Benefits - \$480

Fringe @ 20% of Direct Salaries

<u>Labor Category</u>	<u>Salaries</u>	<u>Fringe Amount</u>
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Senior Engineer I	\$1,400	\$280
Engineer	\$ 500	\$100
Computer Analyst	<u>\$ 500</u>	<u>\$100</u>
	\$2,400	\$480

3) Government-furnished and contractor-acquired property (\$50,000 or more) - \$60,000

Prototype Spectrometer - item number 1000-01 = \$60,000

4) Government-furnished and contractor-acquired property (under \$50,000), Materials, and Supplies - \$2,000

10 Radon tubes @ \$110.00	=	\$1,100
6 Pairs Electrostatic gloves @ \$150.00	=	<u>\$ 900</u>
		\$2,000

5) Premium Pay - \$150

Walter Murphy - 10 hours @ \$10.00 Per Hour (Reg. Pay) = \$100 x 1.5 OT rate = \$150

(EX: Premium pay for this individual was approved and authorized under this contract by the NRC Contracting Officer by letter dated 6/1/2011.)

6) Consultants' Fee - \$100

Dr. Carney - 1 hour fully-burdened @ \$100 = \$100

7) Travel - \$2,640

(i) Airfare: (2 Roundtrip trips for 1 person @ \$300 per r/t ticket)

<u>Start Date</u>	<u>End Date</u>	<u>Days</u>	<u>From</u>	<u>To</u>	<u>Cost</u>
4/1/2011	4/7/2011	7	Philadelphia, PA	Wash, D.C.	\$300
7/1/2011	7/8/2011	8	Philadelphia, PA	Wash, D.C.	\$300

(ii) Per Diem: \$136/day x 15 days = \$2,040

8) Subcontracting - \$30,000

Company A = \$10,000

Company B = \$20,000

\$30,000

(EX: Subcontracts for Companies A & B were consented to by the Contracting Officer by letter dated 6/15/2011.)

9) Other Costs - \$5,100

Honorarium for speaker at American Nuclear Society conference = \$5,000

Nuclear Planet Journal subscription fee = \$100

10) Overhead Expense - \$41,148

Overhead @ 40% of Total Direct Costs

11) General and Administrative (G&A) Expense - \$22,784

G&A @ 20% of Total Costs, excluding subcontracts and consultants

12) Fixed-Fee - \$8,218

Fixed-Fee applied to Total Costs @ 5%

Fixed-Fee Calculations:

- i. Total contract fixed-fee \$100,000
- ii. 85% allowable fee \$85,000
- iii. Cumulative fee billed on prior invoices \$85,000
- iv. Fee due this invoice (*not to exceed 85% of fee earned based upon negotiated contract fee percentage*) \$8,218

Total Amount Billed	\$175,020
Adjustments (+/-)	- <u>\$8,218</u>
Grand Total	\$166,802