

AWARD/CONTRACT		1. THIS CONTRACT IS RATED ORDER UNDER DPAS (15 CFR 350)	RATING N/A	PAGE OF PAGES 1 44
2. CONTRACT NO. (Proc. Inst. Ident.) NRC-42-07-482		3. EFFECTIVE DATE SEP 07 2007	4. REQUISITION/PURCHASE REQUEST/PROJECT NO. NRC-04-07-482	

5. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Kala Shankar 301-415-6310 Mail Stop T-7-I-2 Washington, DC 20555	CODE 3100	6. ADMINISTERED BY (If other than Item 5) U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop T-7-I-2 Washington, DC 20555	CODE 3100
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7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, county, State and ZIP Code) ENERGY RESEARCH INC 6167 EXECUTIVE BLVD ROCKVILLE MD 208523901	8. DELIVERY ☐ FOB ORIGIN ☒ OTHER (See below)
9. DISCOUNT FOR PROMPT PAYMENT	
10. SUBMIT INVOICES (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN	

CODE 621211259	FACILITY CODE
11. SHIP TO/MARK FOR U.S. Nuclear Regulatory Commission Washington DC 20555	CODE
12. PAYMENT WILL BE MADE BY U.S. Nuclear Regulatory Commission Payment Team, Mail Stop T-9-H-4 Attn: NRC-42-07-482 Washington DC 20555	CODE 3100

13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: ☐ 10 U.S.C. 2304(c) () ☐ 41 U.S.C. 253(c) ()	14. ACCOUNTING AND APPROPRIATION DATA B&R: 725.15.171111; JC: q4013; BOC 252A; APPN 31X0200 FFS: NRO-07-482; OBLIGATION: \$550,000; DUNS: 621211259
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15A. ITEM NO	15B. SUPPLIES/SERVICES	15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT
	See Section B for Description of Services This is a Task Order Contract Title: Technical Assistance in support of Design Certification, Early Site Permit, Combined License, Environmental, and Pre-application Activities related to New Reactor License Applications for the General Electric ESBWR Period of Performance: Sixty (60) months from effective date shown in Block 3 above				

15G. TOTAL AMOUNT OF CONTRACT

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CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE

17. ☒ CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return 2 copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)	18. ☐ AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number _____ including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any condition sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.
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19A. NAME AND TITLE OF SIGNER (Type or print) MOHSEN KHATIB-RAHBAR, PRESIDENT	20A. NAME OF CONTRACTING OFFICER Kala Shankar Contracting Officer
19B. NAME OF CONTRACTOR BY Mohsen Khatib-Rahbar (Signature of person authorized to sign)	19C. DATE SIGNED 09-07-07
20B. UNITED STATES OF AMERICA BY Kala Shankar (Signature of Contracting Officer)	20C. DATE SIGNED 9/7/07

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PART I - THE SCHEDULE**SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS****B.1 PROJECT TITLE**

The title of this project is as follows:

Technical Assistance in Support of Design Certification (DC), Early Site Permit (ESP), Combined License (COL), Environmental, and Pre-Application Activities Related to New Reactor License Applications for the General Electric ESBWR

B.2 BRIEF DESCRIPTION OF WORK (MAR 1987) ALTERNATE 1 (JUN 1988)

(a) Brief description of work:

To provide technical expertise and assistance in support of Design Certification (DC), Early Site Permit (ESP), Combined License (COL), Environmental, and Pre-Application Activities Related to New Reactor License Applications for the General Electric ESBWR

(b) Orders will be issued for work required by the NRC in accordance with 52.216-18 - Ordering. Only Contracting Officers of the NRC or other individuals specifically authorized under this contract may authorize the initiation of work under this contract. The provisions of this contract shall govern all orders issued hereunder.

B.3 TYPE OF CONTRACT

Cost Plus Fixed Fee, Indefinite Quantity Task Ordering contract.

B.4 CONSIDERATION AND OBLIGATION--TASK ORDERS (AUG 1989) ALTERNATE 1 (JUN 1991)

(a) The Maximum Ordering Limitation (MOL) for products and services ordered, delivered and accepted under this contract during the five year period of performance is \$ 16,675,052.51. The Contracting Officer may place orders with the contractors during the contract period provided the aggregate amount of such orders does not exceed the MOL.

(b) The guaranteed minimum obligated by the Government under this contract is \$550,000.00.

(c) A total estimated cost as well as any fee, if any, will be negotiated for each task order and will be incorporated as a ceiling in the resultant task order. The Contractor shall comply with the provisions of 52.232-20 - Limitation of Cost for fully funded task orders and 52.232-22 - Limitation of Funds for incrementally funded task orders, issued hereunder.

SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

1.0 BACKGROUND

The Office of New Reactors (NRO) serves the public interest by enabling the safe, secure, and environmentally responsible use of nuclear power in meeting the nation's future energy needs. NRO's Division of New Reactor Licensing (DNRL) supports the NRO mission to protect public health, safety, and the environment by leading and managing the activities associated with the licensing of new nuclear power plants. These activities include planning and scheduling, infrastructure development, environmental and safety reviews and project management of new reactor activities in support of licensing, oversight, and rulemaking programs for new reactors. DNRL is responsible as the project management organization for DC application reviews, ESP application reviews, COL application reviews, and new reactor pre-application activities. DNRL develops and maintains the necessary regulatory infrastructure to support new reactor licensing activities, including rulemaking, guidance development, interaction with stakeholders on issues pertaining to new reactors, large-scale project management tools, schedule and resource planning and tracking, and issuance of DCs, ESPs, and COLs.

NRO anticipates the filing of more than 19 COL applications in the next several years and the number is growing. As a result, substantial assistance will be needed by NRO staff to prepare for and review these applications. NRO is currently developing the infrastructure needed to review this growing number of new reactor applications. Technical assistance resources will need to be identified, coordinated, and managed to review these applications in a timely manner. Given this increased workload in new reactor licensing and the importance of meeting the schedule of new reactor licensing activities, the U. S. Nuclear Regulatory Commission (NRC) is seeking Contractor assistance in the preparation and review of these simultaneous applications.

The NRC has developed a strategy, referred to as the Design-Centered Review Approach (DCRA) and referenced in the Regulatory Issue Summary 2006-06, "New Reactor Standardization Needed to Support the Design-Centered Licensing Review Approach." DCRA is based on a concept of industry standardization of COL applications referencing a particular design (e.g., COL applications referencing either the AP1000, Economic Simplified Boiling Water Reactor (ESBWR), Advanced Boiling Water Reactor (ABWR) or Evolutionary Power Reactor (EPR) reactor designs). This approach uses, to the maximum extent practical, a "one issue, one review, one position" strategy in order to optimize the review effort, the resources needed to perform these reviews, and the review schedules. One technical review will be conducted for each reactor design issue and use of this one decision will support the decision on a DC and on multiple COL applications. In order for the DCRA to be fully effective, it is paramount that the DC and COL applicants achieve a consistent level of standardization among related COLs.

Further for the DCRA to be fully effective, it is essential that applicants referencing a particular design standardize their applications to the maximum extent practicable (standardize design features, analyses, assumptions, and methods) such that the technical review and decisions are made against a standard application, known as the reference COL (R-COL) application. If this is done, those decisions will be applicable to subsequent COL (S-COL) applications that reference the standard. The NRC's DCRA uses the DC review or the review of the R-COL as the basis for acceptance. The DC or R-COL application review will identify those technical areas to be considered standard for a given design. S-COL applicants who use the standard application and actively work with the R-COL applicant to standardize will significantly benefit from the DCRA and the goal of having "one issue, one review, one position" for multiple COL applications.

2.0 CONTRACT OBJECTIVES

The Contractors shall provide qualified, competent, and fully trained personnel to perform the required technical support activities.

3.0 SCOPE OF WORK

The Contractors shall provide support in a wide range of technical and scientific disciplines, in accomplishing work related activities aimed at ensuring the overall safety and adequacy of nuclear power plant design, construction, and operations.

The scope of work involves placement of task orders in the following program areas. The performance Acceptance Criteria included in this section is general in nature. Specific performance standards are delineated in Section 6.0, Performance Standards.

4.0 SPECIFIC TASKS

To perform the tasks described in Section 4.0, expertise is needed in the following areas: Pre-Application; Design Certification; Early Site Permits and Environmental Impact Statements; Combined License; Regulatory Infrastructure; and Litigation Support.

Task 1: PRE-APPLICATION

Requirements: The Contractor shall provide technical assistance in the review of design-specific and other documentation in support of DC, ESP, COL and Environmental Review activities. These assistance requirements may include topical report review; COL application template development, office instruction development; Construction Inspection Procedure program interface and support; NUREG-0800, 10 CFR Part 52 rulemaking and other rulemaking as necessary; and interactions with stakeholders through communication plans and public meetings.

Deliverables: The Contractor shall develop documentation to address their comments and submit written reports as required to state findings. This documentation will be provided to the PO and TM as stated in the individual task orders.

Acceptance Criteria: Any written comments or requests for additional information (RAI) on the documents reviewed shall be delivered in the required format and quality guidelines, within the schedule established, and accepted by the PO and TM.

Additional Guidance and/or References: None

Task 2: DESIGN CERTIFICATIONS (DC)

Requirements: The Contractor shall coordinate and administer the DC process by supporting an acceptance review, a technical review, and a rulemaking to certify the design. This will require reviewing final design information with Inspections, Tests, Analyses and Acceptance Criteria (ITAAC), postulated site parameters, interface requirements, resolution of severe accident issues, and advanced reactor testing requirements.

Deliverables: The results of any non-conformance to these regulatory references shall be documented in memoranda and transmitted to the PO and TM. Further, any RAI and Safety Evaluation Reports (SER) generated as a result of these reviews will be provided to the PO and TM for processing. See Attachment 1 for guidance for the development of RAIs for COL applications. This documentation shall be provided to the PO and TM on the schedule stated in the individual task orders.

Acceptance Criteria: Any written reviews or RAIs on the documents reviewed shall be delivered in the required format and quality guidelines, within the schedule established, and accepted by the TM and Contracting Officer (CO).

Additional Guidance and/or References: The Contractor shall utilize NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Report for Nuclear Power Plants" and NUREG-1555, "Standard Review Plans for Environmental Reviews for Nuclear Power Plants" as necessary to support the safety and environmental reviews.

Task 3: EARLY SITE PERMITS (ESP) / ENVIRONMENTAL IMPACT STATEMENTS (EIS)

Requirements: The Contractor shall provide technical assistance in the review of the safety and environmental portion of new reactor licensing applications. These reviews include preparation of EISs, interfacing with applicants, coordination with state and federal agencies, and supporting public meetings and site audits. Also the contractor shall support the safety and environmental portion of the mandatory hearing on new reactor licensing; site safety reviews; emergency preparedness reviews; environmental protection reviews; environmental assessments (EAs) for DCs and other new reactor rulemaking activities.

Deliverables: The results of any non-conformance to these regulatory references shall be documented in memoranda and transmitted to the PO and TM. Further, any RAIs and SERs generated as a result of these reviews will be provided to the PO and TM for processing. This documentation will be provided to the NRC on the schedule stated in the individual task orders.

Acceptance Criteria: Any written reviews or RAIs on the documents reviewed shall be delivered in the required format and quality guidelines, within the schedule established, and accepted by the TM and CO.

Additional Guidance and/or References: The Contractor shall utilize NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Report for Nuclear Power Plants" and NUREG-1555, "Standard Review Plans for Environmental Reviews for Nuclear Power Plants" as necessary to support the safety and environmental reviews.

Task 4: COMBINED LICENSE (COL)

Requirements: The Contractor shall provide technical assistance support of COL for new reactors. It is noted that the COL may reference an ESP, a standard DC, both, or neither. The Contractor will support the necessary reviews to resolve all safety and environmental issues to allow the NRC to authorize construction and conditional operation including ITAAC. The Contractor shall also review financial qualifications, decommissioning funding assurances, need for power, capitalization and construction design engineering inspections for the COL.

Deliverables: The results of any non-conformance to these regulatory references will be documented in memoranda and transmitted to the PO and TM. Further, any RAIs and SERs generated as a result of these reviews will be provided to the PO and TM for processing. See Attachment 1 for guidance for the development of RAIs for COL applications. This documentation will be provided to the PO and TM on the schedule stated in the individual task orders.

Acceptance Criteria: Any written comments or RAIs on the documents reviewed shall be delivered in the required format and quality guidelines, within the schedule established, and accepted by the NRC TM and CO.

Additional Guidance and/or References: The Contractor shall utilize NUREG-0800 and NUREG-1555 as necessary to support the safety and environmental reviews.

Task 5: REGULATORY INFRASTRUCTURE

Requirements: The Contractor shall provide technical assistance in developing and reviewing the required infrastructure to support the DC, COL and ESP applications. This may require assisting the staff in updating office instructions, NUREG-0800, 10 CFR Part 52, communication plans, reviewing industry documentation, developing templates and licensing procedures, and supporting public meetings.

Deliverables: The Contractor shall document their reviews and submit written reports as required to support their findings. This documentation will be provided to the PO and TM as stated in the individual task orders.

Acceptance Criteria: Any written reviews or RAIs on the documents reviewed shall be delivered in the required format and quality guidelines, within the schedule established, and accepted by the TM and CO.

Additional Guidance and/or References: None

Task 6: LITIGATION SUPPORT

Requirements: The Contractor shall provide litigation support at hearings and other similar processes. This includes, but is not limited to: providing written documentation of work performed during technical reviews; providing expert testimony and reports; reviewing and analyzing expert testimony/reports of other parties in the litigation.

Deliverables: The Contractor shall document their reviews and submit written reports as required to support their findings, and provide expert testimony.

Acceptance Criteria: Any written reviews or RAIs on the documents reviewed shall be delivered in the required format and quality guidelines, within the schedule established, and accepted by the TM and CO.

Additional Guidance and/or References: None

5.0 PERSONNEL QUALIFICATIONS

All personnel performing work under this contract shall have pertinent technical experience by discipline and technical area, including Contractor Project Managers and team members. Experience in these disciplines and technical areas must be related to the design, construction, operation, maintenance, inspection and environmental review of nuclear power plants. Emphasis is placed on experience that is related to safety and environmental impact where judgments are made as to whether applicable codes and federal regulations are being, or have been, implemented and/or followed. Other personnel (engineers/scientists) shall possess experience in technical areas related to U. S. nuclear reactor design, construction, operation, maintenance, and inspection. Emphasis is placed on experience in nuclear power with respect to judgments made as to whether applicable codes and federal regulations are being, or have been, implemented and/or followed. 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 SOW. The number of personnel required will vary during the course of the contract. The availability of qualified Contractor personnel who shall possess the minimum experience, educational background, and combination thereof, will be negotiated on each task order.

5.1 CONTRACTOR PROJECT MANAGER

The Project Manager (PM) shall be considered as key personnel under the contract and serve as primary contact. The PM shall possess, at a minimum, a Bachelor's Degree in Engineering or Science. The PM shall have experience that is related to safety and/or environmental impact where judgments are made as to whether applicable codes and federal regulations are being, or have been, implemented and/or followed. The

PM will have demonstrated capabilities to address highly complex issues. As a minimum the Contractor's Project Manager shall have the following responsibilities:

- (1) oversight responsibility for all task orders placed under this contract;
- (2) oversight responsibility for the efforts of any Contractor team that is assembled for each task order placed under any resultant contract;
- (3) perform other project management duties that are necessary for the successful completion of task orders and overall contract requirements;
- (4) ensure the quality and schedule of deliverables so that all information and data are accurate and complete in accordance with the SOW for each task order; and
- (5) interface closely with the PO and TM.

5.2 REQUIRED TECHNICAL DISCIPLINES AND SPECIALIZED TECHNICAL AREAS

The Contractor shall provide the following types of personnel/areas of technical expertise (Attachment 11, the skill set matrix, based on ESRP/SRP review sections encompass these type of personnel):

(a) Engineering and Scientific Disciplines Required:

A minimum of a Bachelor's Degree in Engineering/Science or equivalent experience and at least seven years direct nuclear power related experience in each of the disciplines is required for personnel proposed under the following areas:

Mechanical Systems
Nuclear Systems
Electrical Systems
Structural and System Materials
Thermal Hydraulics and Fluid Dynamics
Reactor Systems
Reactor Physics
Reactor Fuel
Risk and Reliability
Severe Accident Progression
Radiological Engineering
Containment Systems
Fire Protection
Computer Science
Meteorology
Site Hazards
Hydrology
Geology
Seismology
Geotechnical
Terrestrial Ecologist
Aquatic Ecologist
Health Physicist
Transportation
Socio-Economist
Environmental Justice
Benefits Assessment

Land Use Review
Alternative Review
Historic Review
Text Editor
Text Processor

(b) Specialized Technical Areas:

New Reactor Designs
Risk and Reliability Assessment
Fracture Mechanics
Reactor Construction: management and inspection methods and techniques
Reactor Design: inspection methods and techniques
Reactor Core Analysis
Computational Numerical Methods
Reactor Fuel Mechanical Design
Reactor Fuel Metallurgy
Reactor Core Design
Fuel Handling Systems
Radioactive Source Term Assessment
Emergency Preparedness
Accident Analysis
Dose Assessment
Atmospheric Dispersion: pertaining to radioactive materials and toxic chemicals
Internet Software Development
Planning and Scheduling
Human Factors
Instrumentation & Control
Reactor Operations
Metallurgy
Corrosion and Fatigue
Structural Analysis
Site Characterization
Environmental Reviews
Economics

6.0 PERFORMANCE STANDARDS

Contractor performance for each task order will be evaluated based on meeting the performance standard established for each task order and shall be documented on the performance evaluation form (Attachment 4). It should be noted that award of subsequent task orders will be based on the assigned contractors ability to meet the schedule, milestones, and deliverable requirements of the preceding task orders.

The deliverables required under this contract shall conform to the standards contained, or referenced, in the SOW for each task order. The Performance Requirements Summary (Attachment 5) outlines the performance requirements, deliverables, acceptable standards, surveillance method, and incentives applicable to the review of new reactor applications using the standard review plan (NUREG-0800 and NUREG-1555).

7.0 DELIVERABLES

7.1 Monthly Letter Status Report (MLSR)

See Sections F.3. and F.4. for information on Technical Progress Report and Financial Status Report. See Attachment 6 for format and content of the MLSR.

7.2 E-mail progress report

An e-mail should be provided to the CO, PO, DNRL Project Manager and TM which gives the task order title, task (or subtask) percent complete for each task order, and the corresponding funding percent depleted for each task order and the contract on a once per two week basis.

7.3 Technical Reporting Requirements

Unless otherwise specified in a task order, the Contractor shall provide all deliverables as draft products. The TM will review all draft deliverables (and coordinate any internal NRC staff review, if needed) and provide comments back to the contractor. The Contractor shall revise the draft deliverable based on the comments provided by the TM, and then deliver the final version. When mutually agreed upon between the contractor and the TM, the Contractor may submit preliminary or partial drafts to help gauge the Contractor's understanding of the particular work requirement. More than one round of drafts may be needed if the contractor does not successfully incorporate the TM's comments on the previous draft.

The types, quantities, and distribution of the reports will be specified in each task order and shall be submitted by the contractor. Typically, the reports will involve:

Technical Evaluation Report (TER): Requests for this type of report are made when a formal report is required but the distribution is limited. As appropriate, the draft and final TERs will summarize the work performed, results attained, findings, conclusions and recommendations.

NUREG/CR Report: This is the most formal Contractor report and is requested when there is significant and important compilation of information and wide distribution of the report as a stand-alone document is required and when the staff believes the document will be referenced frequently. NUREG/CR reports require the completion/execution of an NRC form 426A, to be completed by the Contractor and sent to the Technical Monitor for processing. For further information refer to Management Directive 3.7, "NUREG-Series Publications"

Trip Report: In general, every trip for which results are not directly incorporated into either of the above types of reports should be documented in a short, concise trip report. Trips that are used as an input to an inspection report need not have a trip report (see the paragraph below).

Technical Letter Reports: All other reports and documents and other information (e.g. RAI, computer software, inspection report inputs) due to be delivered by the Contractor under the contract that do not fall under the other types of reports listed above are transmitted under the cover of a "Technical Letter Report."

The transmittal letter and cover page of each report or deliverable should reference the contract number, the job control number (JCN), task order number and title, NRC technical assignment control (TAC) number or inspection report number, and the facility name and docket number, as appropriate. Certain deliverables may need to be prepared in NUREG or NUREG/CR format. If draft reports are required, the number of drafts expected will be stated in each task order. If proprietary or other sensitive information will be included in the report, the report will identify the proprietary or other sensitive information and specify the means of handling this information.

Unless otherwise specified by the task order, all deliverables will be produced in both electronic (MS Word, depending on the task/application) and hard copy (paper) versions. Unless otherwise required by the task order, the Contractor shall deliver a hard copy of all deliverables (preliminary, draft, and final) to the CO and PO, with 5 copies to the task order TM. The electronic versions of the deliverables will be delivered to the task order with notification of delivery to the PO. See NRCAR 2052.235.70 for Publication of Research Results.

8.0 MEETINGS AND TRAVEL

Each task order will specify any required meetings or travel to nuclear power plant sites throughout the United States; NRC offices in Rockville, Maryland; NRC regional offices; and any other location required for performance of the work detailed in the task order statement of work. Prior to any trip taken during the period of performance under this contract, the Contractor shall obtain approval from the CO.

9.0 NRC FURNISHED MATERIALS

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 task order TM will provide those NRC documents related to the task order that are readily available. Contractor staff will identify any additional NRC documentation that is needed and the TM will determine whether it will be provided by NRC or obtained directly by Contractor from NUDOCS, Agency wide Document Access Management System (ADAMS), the NRC Public Document Room, or the NRC public web site. Any reports, documents, equipment, and other material that the contractor will require from the NRC to perform the work will be stated in the "Work Requirements" section of the task order statement of work, along with the person to whom the material will be sent and the time requirements for NRC to provide the material.

10.0 ORGANIZATIONAL CONFLICTS OF INTEREST

The Contractors shall review this proposed project and provide disclosures to the NRC for projects in the same or similar technical area (or matter) as the project services within the scope of this agreement (or task order) being performed for NRC licensees, vendors, industry groups or research institutes that represent or are substantially comprised of nuclear utilities. These disclosures shall include efforts planned prior to, or during litigation associated with new reactor issues in which the Contractor was involved. All disclosures shall consist of a copy of the official SOW, the name of the organization, the total dollar value, and the period of performance. In addition, the Contractor shall also identify any current or former NRC employees who have been or will be involved in performing work on any given task order. The NRC will use the information to determine if performance of the effort in this Statement of Work will give rise to a conflict of interest to any work performed for others by the Contractor. See Section H.3. for Contractor Organizational Conflicts of Interest (OCOI) requirements, and Attachment 9 for OCOI guidance.

11.0 LICENSE FEE

Refer to Section H.6. and Attachment 7 of this solicitation for additional information on License Fee Recovery.

SOW Attachments 1 through 6 are listed under SECTION J, List of Attachments.

SECTION D - PACKAGING AND MARKING**D.1 PACKAGING AND MARKING (MAR 1987)**

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 Interstate Commerce Commission Regulations, Uniform Freight Classification Rules, or regulations of other carriers as applicable to the mode of transportation. On the front of the package, the Contractor shall clearly identify the contract number under which the product is being provided.

SECTION E - INSPECTION AND ACCEPTANCE**E.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE**

The following contract clauses pertinent to this section are hereby incorporated by reference (by Citation Number, Title, and Date) in accordance with the clause at FAR "52.252-2 CLAUSES INCORPORATED BY REFERENCE" in Section I of this contract. See FAR 52.252-2 for an internet address (if specified) for electronic access to the full text of a clause.

NUMBER	TITLE	DATE
52.246-5	FEDERAL ACQUISITION REGULATION (48 CFR Chapter 1) INSPECTION OF SERVICES--COST-REIMBURSEMENT	APR 1984

E.2 PLACE OF INSPECTION AND ACCEPTANCE (MAR 1987)

Inspection and acceptance of the deliverable items to be furnished hereunder shall be made by the Project Officer at the destination.

SECTION F - DELIVERIES OR PERFORMANCE**F.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE**

The following contract clauses pertinent to this section are hereby incorporated by reference (by Citation Number, Title, and Date) in accordance with the clause at FAR "52.252-2 CLAUSES INCORPORATED BY REFERENCE" in Section I of this contract. See FAR 52.252-2 for an internet address (if specified) for electronic access to the full text of a clause.

NUMBER	TITLE	DATE
	FEDERAL ACQUISITION REGULATION (48 CFR Chapter 1)	
52.242-15	STOP-WORK ORDER	AUG 1989
	ALTERNATE I (APR 1984)	
52.247-34	F.O.B. DESTINATION	NOV 1991
52.247-48	F.O.B. DESTINATION--EVIDENCE OF SHIPMENT	FEB 1999

F.2 2052.211-70 PREPARATION OF TECHNICAL REPORTS (JAN 1993)

All technical reports required by Section C and all Technical Progress Reports required by Section F are to be prepared in accordance with the attached Management Directive 3.8, "Unclassified Contractor and Grantee Publications in the NUREG Series." Management Directive 3.8 is not applicable to any Contractor Spending Plan (CSP) and any Financial Status Report that may be included in this contract. (See List of Attachments).

F.3 2052.211-71 TECHNICAL PROGRESS REPORT (JAN 1993)

The contractor shall provide a monthly Technical Progress Report to the project officer and the contracting officer. The report is due within 15 calendar days after the end of the report period and must identify the title of the project, the contract number, appropriate financial tracking code specified by the NRC Project Officer, project manager and/or principal investigator, the contract period of performance, and the period covered by the report. Each report must include the following for each discrete task/task order:

- (a) A listing of the efforts completed during the period, and milestones reached or, if missed, an explanation provided;
- (b) Any problems or delays encountered or anticipated and recommendations for resolution. If the recommended resolution involves a contract modification, e.g., change in work requirements, level of effort (cost) or schedule delay, the contractor shall submit a separate letter to the contracting officer identifying the required change and estimated cost impact.
- (c) A summary of progress to date; and
- (d) Plans for the next reporting period.

F.4 2052.211-72 FINANCIAL STATUS REPORT (OCT 1999)

The contractor shall provide a monthly Financial Status Report (FSR) to the project officer and the contracting officer. The FSR shall include the acquisition of, or changes in the status of, contractor-held

property acquired with government funds valued at the time of purchase at \$50,000 or more. Whenever these types of property changes occur, the contractor shall send a copy of the report to the Chief, Property and Acquisition Oversight Branch, Office of Administration. The report is due within 15 calendar days after the end of the report period and must identify the title of the project, the contract number, the appropriate financial tracking code (e.g., Job Code Number or JCN) specified by the NRC Project Officer, project manager and/or principal investigator, the contract period of performance, and the period covered by the report. Each report must include the following for each discrete task:

- (a) Total estimated contract amount.
- (b) Total funds obligated to date.
- (c) Total costs incurred this reporting period.
- (d) Total costs incurred to date.
- (e) Detail of all direct and indirect costs incurred during the reporting period for the entire contract or each task, if it is a task ordering contract.
- (f) Balance of obligations remaining.
- (g) Balance of funds required to complete contract/task order.
- (h) Contractor Spending Plan (CSP) status: A revised CSP is required with the Financial Status Report whenever the contractor or the contracting officer has reason to believe that the total cost for performance of this contract will be either greater or substantially less than what had been previously estimated.
 - (1) Projected percentage of completion cumulative through the report period for the project/task order as reflected in the current CSP.
 - (2) Indicate significant changes in the original CSP projection in either dollars or percentage of completion. Identify the change, the reasons for the change, whether there is any projected overrun, and when additional funds would be required. If there have been no changes to the original NRC-approved CSP projections, a written statement to that effect is sufficient in lieu of submitting a detailed response to item "h".
- (i) Property status:
 - (1) List property acquired for the project during the month with an acquisition cost between \$500 and \$49,999. Give the item number for the specific piece of equipment.
 - (2) Provide a separate list of property acquired for the project during the month with an acquisition cost of \$50,000 or more. Provide the following information for each item of property: item description or nomenclature, manufacturer, model number, serial number, acquisition cost, and receipt date. If no property was acquired during the month, include a statement to that effect. The same information must be provided for any component or peripheral equipment which is part of a "system or system unit."
 - (3) For multi-year projects, in the September monthly financial status report provide a cumulative listing of property with an acquisition cost of \$50,000 or more showing the information specified in paragraph (i)(2) of this clause.
 - (4) In the final financial status report provide a closeout property report containing the same elements as described above for the monthly financial status reports, for all property purchased with NRC funds regardless of value unless title has been vested in the contractor. If no property was acquired under the contract, provide

a statement to that effect. The report should note any property requiring special handling for security, health, safety, or other reasons as part of the report.

(j) Travel status: List the starting and ending dates for each trip, the starting point and destination, and the traveler(s) for each trip.

(k) If the data in this report indicates a need for additional funding beyond that already obligated, this information may only be used as support to the official request for funding required in accordance with the Limitation of Cost (LOC) Clause (FAR 52.232-20) or the Limitation of Funds (LOF) Clause FAR 52.232-22.

F.5 DELIVERY SCHEDULE

To be established at time of each task order award.

F.6 PLACE OF DELIVERY--REPORTS (JUN 1988)

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

(a) Project Officer (1 copy)

U.S. Nuclear Regulatory Commission
ATTN: Charles Willbanks
Office of New Reactors
11545 Rockville Pike, M/S T-6J06
Rockville, MD 20852

(b) Contracting Officer (1 copy)

U.S. Nuclear Regulatory Commission
ATTN: NRC-42-07-482
Division of Contracts, M/S T-712
11545 Rockville Pike
Rockville, MD 20852

F.7 DURATION OF CONTRACT PERIOD (MAR 1987) ALTERNATE 1 (JUN 1988)

The ordering period for this contract shall commence on effective date as shown in Block 3 of the Standard Form 26 and will expire sixty (60) months from that date. Any orders issued during this period shall be completed within the time specified in the order, unless otherwise specified herein. (See 52.216-18 - Ordering).

SECTION G - CONTRACT ADMINISTRATION DATA**G.1 2052.215-71 PROJECT OFFICER AUTHORITY (NOVEMBER 2006)**

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

Name: Charles Willbanks

Address: U.S. Nuclear Regulatory Commission
Office of New Reactors
11545 Rockville Pike, M/S M/S T-6J06
Rockville, MD 20852

Telephone Number: 301-415-0494

(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 (SOW) or changes to specific travel identified in the SOW), fills in details, or otherwise serves to accomplish the contractual SOW.

(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, approval of 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 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.

(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 thereto 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.

(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.

(4) Assist the contractor in obtaining the badges for the contractor personnel.

(5) 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.

(6) 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.

(7) 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.

G.2 2052.215-77 TRAVEL APPROVALS AND REIMBURSEMENT (OCT 1999)

(a) All foreign travel must be approved in advance by the NRC on NRC Form 445, Request for Approval of Official Foreign Travel, and must be in compliance with FAR 52.247-63 Preference for U.S. Flag Air Carriers. The contractor shall submit NRC Form 445 to the NRC no later than 30 days before beginning travel.

(b) The contractor must receive written approval from the NRC Project Officer before taking travel that 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).

(c) The contractor will be reimbursed only for those travel costs incurred that are directly related to this contract and are allowable subject to the limitations prescribed in FAR 31.205-46.

(d) It is the responsibility of the contractor to notify the contracting officer in accordance with the Limitations of Cost clause of this contract when, at any time, the contractor learns that travel expenses will cause the contractor to exceed the estimated costs specified in the Schedule.

(e) Reasonable travel costs for research and related activities performed at State and nonprofit institutions, in accordance with Section 12 of Pub. L. 100-679, shall be charged in accordance with the contractor's institutional policy to the degree that the limitations of Office of Management and Budget (OMB) guidance are not exceeded. Applicable guidance documents include OMB Circular A-87, Cost Principles for State and Local Governments; OMB Circular A-122, Cost Principles for Nonprofit Organizations; and OMB Circular A-21, Cost Principles for Educational Institutions.

G.3 2052.216-71 INDIRECT COST RATES ALTERNATE II (OCT 1999)

(a) For this contract, the ceiling rate reimbursable for indirect costs is as follows:

INDIRECT COST POOL	RATE	BASE	PERIOD
Overhead		Direct Labor (DL) Dollars	Award – until revised
G&A		Total Cost Input	Award – until revised

(b) In the event that indirect rates developed by the cognizant audit activity on the basis of actual allowable costs result in a lower amount for indirect costs, the lower amount will be paid. The Government may not be obligated to pay any additional amounts for indirect costs above the ceiling rates set forth above for the applicable period.

G.4 2052.216-72 TASK ORDER PROCEDURES (OCT 1999)

(a) Task order request for proposal. When a requirement within the scope of work for this contract is identified, the contracting officer shall transmit to the contractor a Task Order Request for Proposal (TORFP) which may include the following, as appropriate:

- (1) Scope of work/meetings/travel and deliverables;

- (2) Reporting requirements;
- (3) Period of performance - place of performance;
- (4) Applicable special provisions;
- (5) Technical skills required; and
- (6) Estimated level of effort.

(b) Task order technical proposal. By the date specified in the TORFP, the contractor shall deliver to the contracting officer a written or verbal (as specified in the TORFP technical proposal submittal instructions) technical proposal that provides the technical information required by the TORFP.

(c) Cost proposal. The contractor's cost proposal for each task order must be fully supported by cost and pricing data adequate to establish the reasonableness of the proposed amounts. When the contractor's estimated cost for the proposed task order exceeds \$100,000 and the period of performance exceeds six months, the contractor may be required to submit a Contractor Spending Plan (CSP) as part of its cost proposal. The TORP indicates if a CSP is required.

(d) Task order award. The contractor shall perform all work described in definitized task orders issued by the contracting officer. Definitized task orders include the following:

- (1) Statement of work/meetings/travel and deliverables;
- (2) Reporting requirements;
- (3) Period of performance;
- (4) Key personnel;
- (5) Applicable special provisions; and
- (6) Total task order amount including any fixed fee.

G.5 2052.216-73 ACCELERATED TASK ORDER PROCEDURES (JAN 1993)

(a) The NRC may require the contractor to begin work before receiving a definitized task order from the contracting officer. Accordingly, when the contracting officer verbally authorizes the work, the contractor shall proceed with performance of the task order subject to the monetary limitation established for the task order by the contracting officer.

(b) When this accelerated procedure is employed by the NRC, the contractor agrees to begin promptly negotiating with the contracting officer the terms of the definitive task order and agrees to submit a cost proposal with supporting cost or pricing data. If agreement on a definitized task order is not reached by the target date mutually agreed upon by the contractor and contracting officer, the contracting officer may determine a reasonable price and/or fee in accordance with Subpart 15.8 and Part 31 of the FAR, subject to contractor appeal as provided in 52.233-1, Disputes. In any event, the contractor shall proceed with completion of the task order, subject only to the monetary limitation established by the contracting officer and the terms and conditions of the basic contract.

G.6. TASK ORDER PLACEMENT PROCEDURES

This is one of four awards resulting from solicitation 03-07-036. Each of the contracts is for the support of task orders related to a specific reactor design center: Advanced Plant 1000 (AP1000), Economic Simplified Boiling Water Reactor (ESBWR), Advanced Boiling Water Reactor (ABWR), and the Evolutionary Power Reactor (EPR).

Each of the four selected contractors will primarily be responsible for all task orders issued under a particular design center for which they were awarded a contract. A small percentage of the work will be either generic or site specific in nature. Items listed in the Statement of Work, Section 3.1, Pre-Application, is an example of this type of work. In addition, some environmental aspects of the review will also be in this category. To the extent practicable, tasks will be awarded against the site where a given design center is located, to be consistent with the DCRA.

However, in situations where (1) a particular task order is not design center specific; and/or (2) a contractor selected for a particular design center can not perform work on a particular task order due to workload/performance issues, the Government will place such task orders in accordance with Federal Acquisition Regulation (FAR) 16.505, and the following fair opportunity procedures will be used:

(1) Fair opportunity (Non Design Center Specific Orders).

(a) The contracting officer will provide each awardee a fair opportunity to be considered for each order exceeding \$3,000 issued under multiple task-order contracts, except as provided for in paragraph entitled "Single Source" below.

(b) The contracting officer will use streamlined procedures, including oral presentations on occasion. In addition, the contracting officer may not contact each of the multiple awardees under the contract before selecting an order awardee if the contracting officer has information available to ensure that each awardee is provided a fair opportunity to be considered for each order. The competition requirements in FAR Part 6 and the policies in FAR Subpart 15.3 do not apply to the ordering process.

(c) The contracting officer will consider the following before award:

(1) Past performance on earlier orders under the contract, including quality, timeliness and cost control;

(2) Potential impact on other orders placed with the contractor;

(3) Minimum order requirements;

(4) The amount of time contractors need to make informed business decisions on whether to respond to potential orders;

(5) Whether contractors could be encouraged to respond to potential orders by outreach efforts to promote exchanges of information, such as—

(i) Seeking comments from two or more contractors on draft statements of work;

(ii) Using a multiphased approach when effort required to respond to a potential order may be resource intensive (e.g., requirements are complex or need continued development), where all contractors are initially

considered on price considerations (e.g., rough estimates), and other considerations as appropriate (e.g., proposed conceptual approach, past performance). The contractors most likely to submit the highest value solutions are then selected for one-on-one sessions with the Government to increase their understanding of the requirements, provide suggestions for refining requirements, and discuss risk reduction measures.

(d) Formal evaluation plans or scoring of offers are not required.

When one of the exceptions to the fair opportunity process, as stated in FAR 16.505(b)(2) applies, the Government will award task orders in accordance with the following procedures:

SINGLE SOURCE:

Per FAR 16.505(b)(2), awardees need not be given an opportunity to be considered for a particular order in excess of \$2,500 under multiple delivery order contracts or multiple Task Order contracts if the Contracting Officer determines that –

(i) the agency need for such supplies or services is of such urgency that providing such opportunity would result in unacceptable delays. In this event orders will be rotated among the contractors.

(ii) only one such contractor is capable of providing such supplies or services at the level of quality required because the services to be ordered are unique or highly specialized; or

(iii) the order should be issued on a sole-source basis in the interest of economy and efficiency as a logical follow-on to an Order already issued under the contract, provided that all awardees were given a fair opportunity to be considered for the original order, or

(iv) it is necessary to place an Order to satisfy a minimum guarantee.

SECTION H - SPECIAL CONTRACT REQUIREMENTS**H.1 2052.209-72 CONTRACTOR ORGANIZATIONAL CONFLICTS OF INTEREST (JAN 1993)**

(a) Purpose. The primary purpose of this clause is to aid in ensuring that the contractor:

(1) Is not placed in a conflicting role because of current or planned interests (financial, contractual, organizational, or otherwise) which relate to the work under this contract; and

(2) Does not obtain an unfair competitive advantage over other parties by virtue of its performance of this contract.

(b) Scope. The restrictions described apply to performance or participation by the contractor, as defined in 48 CFR 2009.570-2 in the activities covered by this clause.

(c) Work for others.

(1) Notwithstanding any other provision of this contract, during the term of this contract, the contractor agrees to forego entering into consulting or other contractual arrangements with any firm or organization the result of which may give rise to a conflict of interest with respect to the work being performed under this contract. The contractor shall ensure that all employees under this contract abide by the provision of this clause. If the contractor has reason to believe, with respect to itself or any employee, that any proposed consultant or other contractual arrangement with any firm or organization may involve a potential conflict of interest, the contractor shall obtain the written approval of the contracting officer before the execution of such contractual arrangement.

(2) The contractor may not represent, assist, or otherwise support an NRC licensee or applicant undergoing an NRC audit, inspection, or review where the activities that are the subject of the audit, inspection, or review are the same as or substantially similar to the services within the scope of this contract (or task order as appropriate) except where the NRC licensee or applicant requires the contractor's support to explain or defend the contractor's prior work for the utility or other entity which NRC questions.

(3) When the contractor performs work for the NRC under this contract at any NRC licensee or applicant site, the contractor shall neither solicit nor perform work in the same or similar technical area for that licensee or applicant organization for a period commencing with the award of the task order or beginning of work on the site (if not a task order contract) and ending one year after completion of all work under the associated task order, or last time at the site (if not a task order contract).

(4) When the contractor performs work for the NRC under this contract at any NRC licensee or applicant site,

(i) The contractor may not solicit work at that site for that licensee or applicant during the period of performance of the task order or the contract, as appropriate.

(ii) The contractor may not perform work at that site for that licensee or applicant during the period of performance of the task order or the contract, as appropriate, and for one year thereafter.

(iii) Notwithstanding the foregoing, the contracting officer may authorize the contractor to solicit or perform this type of work (except work in the same or similar technical area) if the contracting officer determines that the situation will not pose a potential for technical bias or unfair competitive advantage.

(d) Disclosure after award.

(1) The contractor warrants that to the best of its knowledge and belief, and except as otherwise set forth in this contract, that it does not have any organizational conflicts of interest as defined in 48 CFR 2009.570-2.

(2) The contractor agrees that if, after award, it discovers organizational conflicts of interest with respect to this contract, it shall make an immediate and full disclosure in writing to the contracting officer. This statement must include a description of the action which the contractor has taken or proposes to take to avoid or mitigate such conflicts. The NRC may, however, terminate the contract if termination is in the best interest of the Government.

(3) It is recognized that the scope of work of a task-order-type contract necessarily encompasses a broad spectrum of activities. Consequently, if this is a task-order-type contract, the contractor agrees that it will disclose all proposed new work involving NRC licensees or applicants which comes within the scope of work of the underlying contract. Further, if this contract involves work at a licensee or applicant site, the contractor agrees to exercise diligence to discover and disclose any new work at that licensee or applicant site. This disclosure must be made before the submission of a bid or proposal to the utility or other regulated entity and must be received by the NRC at least 15 days before the proposed award date in any event, unless a written justification demonstrating urgency and due diligence to discover and disclose is provided by the contractor and approved by the contracting officer. The disclosure must include the statement of work, the dollar value of the proposed contract, and any other documents that are needed to fully describe the proposed work for the regulated utility or other regulated entity. NRC may deny approval of the disclosed work only when the NRC has issued a task order which includes the technical area and, if site-specific, the site, or has plans to issue a task order which includes the technical area and, if site-specific, the site, or when the work violates paragraphs (c)(2), (c)(3) or (c)(4) of this section.

(e) Access to and use of information.

(1) If in the performance of this contract, the contractor obtains access to information, such as NRC plans, policies, reports, studies, financial plans, internal data protected by the Privacy Act of 1974 (5 U.S.C. Section 552a (1988)), or the Freedom of Information Act (5 U.S.C. Section 552 (1986)), the contractor agrees not to:

(i) Use this information for any private purpose until the information has been released to the public;

(ii) Compete for work for the Commission based on the information for a period of six months after either the completion of this contract or the release of the information to the public, whichever is first;

(iii) Submit an unsolicited proposal to the Government based on the information until one year after the release of the information to the public; or

(iv) Release the information without prior written approval by the contracting officer unless the information has previously been released to the public by the NRC.

(2) In addition, the contractor agrees that, to the extent it receives or is given access to proprietary data, data protected by the Privacy Act of 1974 (5 U.S.C. Section 552a (1988)), or the Freedom of Information Act (5 U.S.C. Section 552 (1986)), or other confidential or privileged technical, business, or financial information under this contract, the contractor shall treat the information in accordance with restrictions placed on use of the information.

(3) Subject to patent and security provisions of this contract, the contractor shall have the right to use technical data it produces under this contract for private purposes provided that all requirements of this contract have been met.

(f) Subcontracts. Except as provided in 48 CFR 2009.570-2, the contractor shall include this clause, including this paragraph, in subcontracts of any tier. The terms contract, contractor, and contracting officer, must be appropriately modified to preserve the Government's rights.

(g) Remedies. For breach of any of the above restrictions, or for intentional nondisclosure or misrepresentation of any relevant interest required to be disclosed concerning this contract or for such erroneous representations that necessarily imply bad faith, the Government may terminate the contract for default, disqualify the contractor from subsequent contractual efforts, and pursue other remedies permitted by law or this contract.

(h) Waiver. A request for waiver under this clause must be directed in writing to the contracting officer in accordance with the procedures outlined in 48 CFR 2009.570-9.

(i) Follow-on effort. The contractor shall be ineligible to participate in NRC contracts, subcontracts, or proposals therefor (solicited or unsolicited), which stem directly from the contractor's performance of work under this contract. Furthermore, unless so directed in writing by the contracting officer, the contractor may not perform any technical consulting or management support services work or evaluation activities under this contract on any of its products or services or the products or services of another firm if the contractor has been substantially involved in the development or marketing of the products or services.

(1) If the contractor, under this contract, prepares a complete or essentially complete statement of work or specifications, the contractor is not eligible to perform or participate in the initial contractual effort which is based on the statement of work or specifications. The contractor may not incorporate its products or services in the statement of work or specifications unless so directed in writing by the contracting officer, in which case the restrictions in this paragraph do not apply.

(2) Nothing in this paragraph precludes the contractor from offering or selling its standard commercial items to the Government.

H.2 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.

H.3 2052.242-70 RESOLVING NRC CONTRACTOR DIFFERING PROFESSIONAL VIEWS (DPVS) (OCT 1999)

(a) The Nuclear Regulatory Commission's (NRC) policy is to support the contractor's expression of professional health and safety related concerns associated with the contractor's work for NRC that may differ from a prevailing NRC staff view, disagree with an NRC decision or policy position, or take issue with proposed or established agency practices. An occasion may arise when an NRC contractor, contractor's personnel, or subcontractor personnel believes that a conscientious expression of a competent judgement is required to document such concerns on matters directly associated with its performance of the contract. The NRC's policy is to support these instances as Differing Professional Views (DPVs).

(b) The procedure that will be used provides for the expression and resolution of differing professional views (DPVs) of health and safety related concerns associated with the mission of the agency by NRC contractors, contractor personnel or subcontractor personnel on matters directly associated with its performance of the contract. This procedure may be found in Attachments to this document. The contractor shall provide a copy of the NRC DPV procedure to all of its employees performing under this contract and to all subcontractors who shall, in turn, provide a copy of the procedure to its employees. The prime contractor or subcontractor shall submit all DPV's received but need not endorse them.

H.4 2052.242-71 PROCEDURES FOR RESOLVING NRC CONTRACTOR DIFFERING PROFESSIONAL VIEWS (DPVS) (OCT 1999)

(a) The following procedure provides for the expression and resolution of differing professional views (DPVs) of health and safety related concerns of NRC contractors and contractor personnel on matters connected to the subject of the contract. Subcontractor DPVs must be submitted through the prime contractor. The prime contractor or subcontractor shall submit all DPV's received but need not endorse them.

(b) The NRC may authorize up to eight reimbursable hours for the contractor to document, in writing, a DPV by the contractor, the contractor's personnel, or subcontractor personnel. The contractor shall not be entitled to any compensation for effort on a DPV which exceeds the specified eight hour limit.

(c) Before incurring costs to document a DPV, the contractor shall first determine whether there are sufficient funds obligated under the contract which are available to cover the costs of writing a DPV. If there are insufficient obligated funds under the contract, the contractor shall first request the NRC contracting officer for additional funding to cover the costs of preparing the DPV and authorization to proceed.

(d) Contract funds shall not be authorized to document an allegation where the use of this NRC contractor DPV process is inappropriate. Examples of such instances are: allegations of wrongdoing which should be addressed directly to the NRC Office of the Inspector General (OIG), issues submitted anonymously, or issues raised which have already been considered, addressed, or rejected, absent significant new information. This procedure does not provide anonymity. Individuals desiring anonymity should contact the NRC OIG or submit the information under NRC's Allegation Program, as appropriate.

(e) When required, the contractor shall initiate the DPV process by submitting a written statement directly to the NRC Office Director or Regional Administrator responsible for the contract, with a copy to the Contracting Officer, Division of Contracts and Property Management, Office of Administration. Each DPV submitted will be evaluated on its own merits.

(f) The DPV, while being brief, must contain the following as it relates to the subject matter of the contract:

(1) A summary of the prevailing NRC view, existing NRC decision or stated position, or the proposed or established NRC practice.

(2) A description of the submitter's views and how they differ from any of the above items.

(3) The rationale for the submitter's views, including an assessment based on risk, safety and cost benefit considerations of the consequences should the submitter's position not be adopted by NRC.

(g) The Office Director or Regional Administrator will immediately forward the submittal to the NRC DPV Review Panel and acknowledge receipt of the DPV, ordinarily within five (5) calendar days of receipt.

(h) The panel will normally review the DPV within seven calendar days of receipt to determine whether enough information has been supplied to undertake a detailed review of the issue. Typically, within 30 calendar days of receipt of the necessary information to begin a review, the panel will provide a written report of its findings to the Office Director or Regional Administrator and to the Contracting Officer, which includes a recommended course of action.

(i) The Office Director or Regional Administrator will consider the DPV Review Panel's report, make a decision on the DPV and provide a written decision to the contractor and the Contracting Officer normally within seven calendar days after receipt of the panel's recommendation.

(j) Subsequent to the decision made regarding the DPV Review Panel's report, a summary of the issue and its disposition will be included in the NRC Weekly Information Report submitted by the Office Director. The DPV file will be retained in the Office or Region for a minimum of one year thereafter. For purposes of the contract, the DPV shall be considered a deliverable under the contract. Based upon the Office Director or Regional Administrator's report, the matter will be closed.

H.5 GOVERNMENT FURNISHED EQUIPMENT/PROPERTY - NONE PROVIDED (JUN 1988)

The Government will not provide any equipment/property under this contract.

H.6 LICENSE FEE RECOVERY COSTS (APR 1992)

Included as an attachment in Section J are billing instructions for license fee recovery costs. This information must be submitted by the contractor in conjunction with the monthly invoice.

H.7 SEAT BELTS

Contractors, subcontractors, and grantees, are encouraged to adopt and enforce on-the-job seat belt policies and programs for their employees when operating company-owned, rented, or personally owned vehicles.

H.8 ANNUAL AND FINAL CONTRACTOR PERFORMANCE EVALUATIONS

Annual and final evaluations of contractor performance under this contract will be prepared in accordance with FAR 42.15, "Contractor Performance Information," normally at the time the contractor is notified of the NRC's intent to exercise the contract option. If the multi-year contract does not have option years, then an annual evaluation will be prepared (state time for annual evaluation). Final evaluations of contractor performance will be prepared at the expiration of the contract during the contract closeout process.

The Contracting Officer will transmit the NRC Project Officer's annual and final contractor performance evaluations to the contractor's Project Manager, unless otherwise instructed by the contractor. The contractor will be permitted thirty days to review the document. The contractor may concur without comment, submit additional information, or request a meeting to discuss the performance evaluation. The Contracting Officer may request the contractor's Project Manager to attend a meeting to discuss the performance evaluation.

Where a contractor concurs with, or takes no exception to an annual performance evaluation, the Contracting Officer will consider such evaluation final and releasable for source selection purposes. Disagreements between the parties regarding a performance evaluation will be referred to an individual one level above the Contracting Officer, whose decision will be final.

The Contracting Officer will send a copy of the completed evaluation report, marked "For Official Use Only," to the contractor's Project Manager for their records as soon as practicable after it has been finalized. The completed evaluation report also will be used as a tool to improve communications between the NRC and the contractor and to improve contract performance.

The completed annual performance evaluation will be used to support future award decisions in accordance with FAR 42.1502(a) and 42.1503(c). During the period the information is being used to provide source selection information, the completed annual performance evaluation will be released to only two parties - the Federal government personnel performing the source selection evaluation and the contractor under evaluation if the contractor does not have a copy of the report already.

H.9 COMPLIANCE WITH U.S. IMMIGRATION LAWS AND REGULATIONS

NRC contractors are responsible to ensure that their alien personnel are not in violation of United States Immigration and Naturalization (INS) laws and regulations, including employment authorization documents and visa requirements. Each alien employee of the Contractor must be lawfully admitted for permanent residence as evidenced by Alien Registration Receipt Card Form 1-151 or must present other evidence from the Immigration and Naturalization Services that employment will not affect his/her immigration status. The INS Office of Business Liaison (OBL) provides information to contractors to help them understand the employment eligibility verification process for non-US citizens. This information can be found on the INS website, <http://www.ins.usdoj.gov/graphics/services/employerinfo/index.htm#obl>.

The NRC reserves the right to deny or withdraw Contractor use or access to NRC facilities or its equipment/services, and/or take any number of contract administrative actions (e.g., disallow costs, terminate for cause) should the Contractor violate the Contractor's responsibility under this clause.

H.10 WHISTLEBLOWER PROTECTION FOR NRC CONTRACTOR AND SUBCONTRACTOR EMPLOYEES (JULY 2006)

(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.

(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.

H.11 NRC INFORMATION TECHNOLOGY SECURITY TRAINING (AUG 2003)

NRC contractors shall ensure that their employees, consultants, and subcontractors with access to the agency's information technology (IT) equipment and/or IT services complete NRC's online initial and refresher IT security training requirements to ensure that their knowledge of IT threats, vulnerabilities, and associated countermeasures remains current. Both the initial and refresher IT security training courses generally last an hour or less and can be taken during the employee's regularly scheduled work day.

Contractor employees, consultants, and subcontractors shall complete the NRC's online, "Computer Security Awareness" course on the same day that they receive access to the agency's IT equipment and/or services, as their first action using the equipment/service. For those contractor employees, consultants, and subcontractors who are already working under this contract, the on-line training must be completed in accordance with agency Network Announcements issued throughout the year 2003 within three weeks of issuance of this modification.

Contractor employees, consultants, and subcontractors who have been granted access to NRC information technology equipment and/or IT services must continue to take IT security refresher training offered online by the NRC throughout the term of the contract. Contractor employees will receive notice of NRC's online IT security refresher training requirements through agency-wide notices.

The NRC reserves the right to deny or withdraw Contractor use or access to NRC IT equipment and/or services, and/or take other appropriate contract administrative actions (e.g., disallow costs, terminate for cause) should the Contractor violate the Contractor's responsibility under this clause.

H.12 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 constitutes SUNSI or SGI remains exclusively a matter within the authority of the NRC to make. In performing the contract, the Contractor shall clearly mark SUNSI and SGI to include for example the appropriate Official Use Only marking (in accordance with SUNSI guidance) or, Safeguards Information (in accordance with SGI guidance), 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 forms, when applicable, (e.g. NRC Form 461- Safeguards Information, NRC Form 1900 - Official Use Only- Investigation Information, NRC Form 761- Warning Confidential Allegation Material, and NRC Form 762 - Warning Sensitive Allegation Material) in maintaining these records and documents. The Contractor will ensure that SUNSI and SGI is handled appropriately, maintained and protected from unauthorized disclosure. The Contractor shall comply with the requirements to mark, maintain and protect all SUNSI and SGI 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), and NRC Management Directive and Handbook 12.7 for SGI; NRC Management Directive and Handbook 12.6 for Sensitive Unclassified Information, and in accordance with NRC Policy for Handling, Marking, and Protecting Sensitive Unclassified Non-Safeguards Information (ML052990146), Yellow Announcement 2005-077, "Policy Revision: NRC Policy for Handling, Marking, and Protecting Sensitive Unclassified NonSafeguards Information (SUNSI), dated October 26, 2005; and SUNSI instructions contained on the NRC intranet Web site at www.internal.nrc.gov/sunsi/.

(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. 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.

PART II - CONTRACT CLAUSES**SECTION I - CONTRACT CLAUSES****I.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE**

The following contract clauses pertinent to this section are hereby incorporated by reference (by Citation Number, Title, and Date) in accordance with the clause at FAR "52.252-2 CLAUSES INCORPORATED BY REFERENCE" in Section I of this contract. See FAR 52.252-2 for an internet address (if specified) for electronic access to the full text of a clause.

NUMBER	TITLE	DATE
	FEDERAL ACQUISITION REGULATION (48 CFR Chapter 1)	
52.202-1	DEFINITIONS	JUL 2004
52.203-3	GRATUITIES	APR 1984
52.203-5	COVENANT AGAINST CONTINGENT FEES	APR 1984
52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT	SEP 2006
52.203-7	ANTI-KICKBACK PROCEDURES	JUL 1995
52.203-8	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY	JAN 1997
52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY	JAN 1997
52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	SEP 2005
52.204-4	PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER	AUG 2000
52.204-7	CENTRAL CONTRACTOR REGISTRATION	JUL 2006
52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	SEP 2006
52.215-2	AUDIT AND RECORDS--NEGOTIATION	JUN 1999
52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT	OCT 1997
52.215-14	INTEGRITY OF UNIT PRICES	OCT 1997
52.215-19	NOTIFICATION OF OWNERSHIP CHANGES	OCT 1997
52.216-7	ALLOWABLE COST AND PAYMENT	DEC 2002
52.216-8	FIXED-FEE	MAR 1997
52.217-2	CANCELLATION UNDER MULTIYEAR CONTRACTS	OCT 1997
52.219-4	NOTICE OF PRICE EVALUATION PREFERENCE FOR HUBZONE SMALL BUSINESS CONCERNS	JUL 2005
52.219-8	UTILIZATION OF SMALL BUSINESS CONCERNS	MAY 2004
52.219-9	SMALL BUSINESS SUBCONTRACTING PLAN ALTERNATE II (OCT 2001)	OCT 2001
52.219-16	LIQUIDATED DAMAGES-SMALL BUSINESS SUBCONTRACTING PLAN	JAN 1999
52.222-3	CONVICT LABOR	JUN 2003
52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB 1999

52.222-26	EQUAL OPPORTUNITY	MAR 2007
52.222-29	NOTIFICATION OF VISA DENIAL	JUN 2003
52.222-35	EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	SEP 2006
52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES	JUN 1998
52.222-37	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	SEP 2006
52.222-50	COMBATING TRAFFICKING IN PERSONS	APR 2006
52.223-6	DRUG-FREE WORKPLACE	MAY 2001
52.225-5	TRADE AGREEMENTS	NOV 2006
52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	FEB 2006
52.227-1	AUTHORIZATION AND CONSENT	JUL 1995
52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	AUG 1996
52.227-14	RIGHTS IN DATA--GENERAL	JUN 1987
52.228-7	INSURANCE--LIABILITY TO THIRD PERSONS	MAR 1996
52.230-2	COST ACCOUNTING STANDARDS	APR 1998
52.230-6	ADMINISTRATION OF COST ACCOUNTING STANDARDS	APR 2005
52.232-17	INTEREST	JUN 1996
52.232-22	LIMITATION OF FUNDS	APR 1984
52.232-23	ASSIGNMENT OF CLAIMS	JAN 1986
52.232-33	PAYMENT BY ELECTRONIC FUNDS--CENTRAL CONTRACTOR REGISTRATION	OCT 2003
52.233-3	PROTEST AFTER AWARD ALTERNATE I (JUN 1985)	AUG 1996
52.233-4	APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM	OCT 2004
52.242-1	NOTICE OF INTENT TO DISALLOW COSTS	APR 1984
52.242-3	PENALTIES FOR UNALLOWABLE COSTS	MAY 2001
52.242-13	BANKRUPTCY	JUL 1995
52.243-2	CHANGES--COST REIMBURSEMENT ALTERNATE I (APR 1984)	AUG 1987
52.244-2A	SUBCONTRACTS ALTERNATE I (JUNE 2007)	JUN 2007
52.244-5	COMPETITION IN SUBCONTRACTING	DEC 1996
52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS	MAR 2007
52.245-1	GOVERNMENT PROPERTY	JUN 2007
52.245-9	USE AND CHARGES	JUN 2007
52.246-25	LIMITATION OF LIABILITY--SERVICES	FEB 1997
52.249-6	TERMINATION (COST-REIMBURSEMENT) (MAY 2004)	MAY 2004
52.249-14	EXCUSABLE DELAYS	APR 1984
52.253-1	COMPUTER GENERATED FORMS	JAN 1991
52.216-7	ALLOWABLE COST AND PAYMENT	DEC 2002

I.2 52.216-18 ORDERING (OCT 1995)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from through .

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) If mailed, a delivery order or task order is considered "issued" when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

I.3 52.216-19 ORDER LIMITATIONS (OCT 1995)

(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than the minimum quantity stated in Section B.4, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) Maximum order. The Contractor is not obligated to honor--

(1) Any order for a single item in excess of the contract ceiling amount;

(2) Any order for a combination of items in excess of the contract ceiling amount; or

(3) A series of orders from the same ordering office within N/A days that together call for quantities exceeding the limitation in paragraph (b)(1) or (2) of this section.

(c) If this is a requirements contract (i.e., includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

I.4 52.216-22 INDEFINITE QUANTITY (OCT 1995)

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the "maximum." The Government shall order at least the quantity of supplies or services designated in the Schedule as the "minimum."

(c) Except for any limitations on quantities in the Order Limitations clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(d) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after six (6) months.

I.5 52.219-23 NOTICE OF PRICE EVALUATION ADJUSTMENT FOR SMALL DISADVANTAGED BUSINESS CONCERNS (SEP 2005)

(a) Definitions. As used in this clause--

Small disadvantaged business concern means an offeror that represents, as part of its offer, that it is a small business under the size standard applicable to this acquisition; and either--

(1) It has received certification by the Small Business Administration as a small disadvantaged business concern consistent with 13 CFR 124, Subpart B; and

(i) No material change in disadvantaged ownership and control has occurred since its certification;

(ii) Where the concern is owned by one or more disadvantaged individuals, the net worth of each individual upon whom the certification is based does not exceed \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(iii) It is identified, on the date of its representation, as a certified small disadvantaged business concern in the database maintained by the Small Business Administration (PRO-Net).

(2) It has submitted a completed application to the Small Business Administration or a Private Certifier to be certified as a small disadvantaged business concern in accordance with 13 CFR 124, Subpart B, and a decision on that application is pending, and that no material change in disadvantaged ownership and control has occurred since its application was submitted. In this case, in order to receive the benefit of a price evaluation adjustment, an offeror must receive certification as a small disadvantaged business concern by the Small Business Administration prior to contract award; or

(3) Is a joint venture as defined in 13 CFR 124.1002(f).

Historically black college or university means an institution determined by the Secretary of Education to meet the requirements of 34 CFR 608.2. For the Department of Defense (DoD), the National Aeronautics and Space Administration (NASA), and the Coast Guard, the term also includes any nonprofit research institution that was an integral part of such a college or university before November 14, 1986.

Minority institution means an institution of higher education meeting the requirements of Section 1046(3) of the Higher Education Act of 1965 (20 U.S.C. 1067k, including a Hispanic-serving institution of higher education, as defined in Section 316(b)(1) of the Act (20 U.S.C. 1101a)).

(b) Evaluation adjustment. (1) The Contracting Officer will evaluate offers by adding a factor of percent to the price of all offers, except--

(i) Offers from small disadvantaged business concerns that have not waived the adjustment; and

(ii) An otherwise successful offer from a historically black college or university or minority institution.

(2) The Contracting Officer will apply the factor to a line item or a group of line items on which award may be made. The Contracting Officer will apply other evaluation factors described in the solicitation before application of the factor. The factor may not be applied if using the adjustment would cause the contract award to be made at a price that exceeds the fair market price by more than the factor in paragraph (b)(1) of this clause.

(c) Waiver of evaluation adjustment. A small disadvantaged business concern may elect to waive the adjustment, in which case the factor will be added to its offer for evaluation purposes. The agreements in paragraph (d) of this clause do not apply to offers that waive the adjustment.

[] Offeror elects to waive the adjustment.

(d) Agreements. (1) A small disadvantaged business concern, that did not waive the adjustment, agrees that in performance of the contract, in the case of a contract for --

(i) Services, except construction, at least 50 percent of the cost of personnel for contract performance will be spent for employees of the concern;

(ii) Supplies (other than procurement from a nonmanufacturer of such supplies), at least 50 percent of the cost of manufacturing, excluding the cost of materials, will be performed by the concern;

(iii) General construction, at least 15 percent of the cost of the contract, excluding the cost of materials, will be performed by employees of the concern; or

(iv) Construction by special trade contractors, at least 25 percent of the cost of the contract, excluding the cost of materials, will be performed by employees of the concern.

(2) A small disadvantaged business concern submitting an offer in its own name shall furnish in performing this contract only end items manufactured or produced by small disadvantaged business concerns in the United States or its outlying areas. This paragraph does not apply to construction or service contracts.

I.6 52.219-28 POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION (JUNE 2007)

(a) Definitions. As used in this clause--

"Long-term contract" means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause at 52.217-8, Option to Extend Services, or other appropriate authority.

"Small business concern" means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (c) of this clause.

(b) If the Contractor represented that it was a small business concern prior to award of this contract, the Contractor shall rerepresent its size status according to paragraph (e) of this clause or, if applicable, paragraph (g) of this clause, upon the occurrence of any of the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts-

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the exercise date specified in the contract for any option thereafter.

(c) The Contractor shall rerepresent its size status in accordance with the size standard in effect at the time of this rerepresentation that corresponds to the North American Industry Classification System (NAICS) code assigned to this contract. The small business size standard corresponding to this NAICS code can be found at <http://www.sba.gov/services/contractingopportunities/sizestandardstopics/>.

(d) The small business size standard for a Contractor providing a product which it does not manufacture itself, for a contract other than a construction or service contract, is 500 employees.

(e) Except as provided in paragraph (g) of this clause, the Contractor shall make the rerepresentation required by paragraph (b) of this clause by validating or updating all its representations in the Online Representations and Certifications Application and its data in the Central Contractor Registration, as necessary, to ensure they reflect current status. The Contractor shall notify the contracting office by e-mail, or otherwise in writing, that the data have been validated or updated, and provide the date of the validation or update.

(f) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (e) or (g) of this clause.

(g) If the Contractor does not have representations and certifications in ORCA, or does not have a representation in ORCA for the NAICS code applicable to this contract, the Contractor is required to complete the following rerepresentation and submit it to the contracting office, along with the contract number and the date on which the rerepresentation was completed:

The Contractor represents that it ☒ is, ☐ is not a small business concern under NAICS Code 541990 assigned to contract number NRC-42-07-482.

[Contractor to sign and date and insert authorized signer's name and title].

Mohamed K. Al-Ramahi, President
9/07/07

I.7 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within 60 days; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed 5 years.

I.8 52.222-39 NOTIFICATION OF EMPLOYEE RIGHTS CONCERNING PAYMENT OF UNION DUES OR FEES (DEC 2004)

(a) Definition. As used in this clause--

"United States" means the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.

(b) Except as provided in paragraph (e) of this clause, during the term of this contract, the Contractor shall post a notice, in the form of a poster, informing employees of their rights concerning union membership and payment of union dues and fees, in conspicuous places in and about all its plants and offices, including all places where notices to employees are customarily posted. The notice shall include the following information (except that the information pertaining to National Labor Relations Board shall not be included in notices posted in the plants or offices of carriers subject to the Railway Labor Act, as amended (45 U.S.C. 151-188)).

Notice to Employees

Under Federal law, employees cannot be required to join a union or maintain membership in a union in order to retain their jobs. Under certain conditions, the law permits a union and an employer to enter into a union-security agreement requiring employees to pay uniform periodic dues and initiation fees. However, employees who are not union members can object to the use of their payments for certain purposes and can only be required to pay their share of union costs relating to collective bargaining, contract administration, and grievance adjustment.

If you do not want to pay that portion of dues or fees used to support activities not related to collective bargaining, contract administration, or grievance adjustment, you are entitled to an appropriate reduction in your payment. If you believe that you have been required to pay dues or fees used in part to support activities not related to collective bargaining, contract administration, or grievance adjustment, you may be entitled to a refund and to an appropriate reduction in future payments.

For further information concerning your rights, you may wish to contact the National Labor Relations Board (NLRB) either at one of its Regional offices or at the following address or toll free number:

National Labor Relations Board
Division of Information
1099 14th Street, N.W.
Washington, DC 20570
1-866-667-6572
1-866-316-6572 (TTY)

To locate the nearest NLRB office, see NLRB's website at <http://www.nlr.gov>.

(c) The Contractor shall comply with all provisions of Executive Order 13201 of February 17, 2001, and related implementing regulations at 29 CFR Part 470, and orders of the Secretary of Labor.

(d) In the event that the Contractor does not comply with any of the requirements set forth in paragraphs (b), (c), or (g), the Secretary may direct that this contract be cancelled, terminated, or suspended in whole or in part, and declare the Contractor ineligible for further Government contracts in accordance with procedures at 29 CFR Part 470, Subpart B--Compliance Evaluations, Complaint Investigations and Enforcement Procedures.

Such other sanctions or remedies may be imposed as are provided by 29 CFR Part 470, which implements Executive Order 13201, or as are otherwise provided by law.

(e) The requirement to post the employee notice in paragraph (b) does not apply to--

(1) Contractors and subcontractors that employ fewer than 15 persons;

(2) Contractor establishments or construction work sites where no union has been formally recognized by the Contractor or certified as the exclusive bargaining representative of the Contractor's employees;

(3) Contractor establishments or construction work sites located in a jurisdiction named in the definition of the United States in which the law of that jurisdiction forbids enforcement of union-security agreements;

(4) Contractor facilities where upon the written request of the Contractor, the Department of Labor Deputy Assistant Secretary for Labor-Management Programs has waived the posting requirements with respect to any of the Contractor's facilities if the Deputy Assistant Secretary finds that the Contractor has demonstrated that--

(i) The facility is in all respects separate and distinct from activities of the Contractor related to the performance of a contract; and

(ii) Such a waiver will not interfere with or impede the effectuation of the Executive order; or

(5) Work outside the United States that does not involve the recruitment or employment of workers within the United States.

(f) The Department of Labor publishes the official employee notice in two variations; one for contractors covered by the Railway Labor Act and a second for all other contractors. The Contractor shall--

(1) Obtain the required employee notice poster from the Division of Interpretations and Standards, Office of Labor-Management Standards, U.S. Department of Labor, 200 Constitution Avenue, NW, Room N-5605, Washington, DC 20210, or from any field office of the Department's Office of Labor-Management Standards or Office of Federal Contract Compliance Programs;

(2) Download a copy of the poster from the Office of Labor- Management Standards website at <http://www.olms.dol.gov>; or

(3) Reproduce and use exact duplicate copies of the Department of Labor's official poster.

(g) The Contractor shall include the substance of this clause in every subcontract or purchase order that exceeds the simplified acquisition threshold, entered into in connection with this contract, unless exempted by the Department of Labor Deputy Assistant Secretary for Labor-Management Programs on account of special circumstances in the national interest under authority of 29 CFR 470.3(c). For indefinite quantity subcontracts, the Contractor shall include the substance of this clause if the value of orders in any calendar year of the subcontract is expected to exceed the simplified acquisition threshold. Pursuant to 29 CFR Part 470, Subpart B--Compliance Evaluations, Complaint Investigations and Enforcement Procedures, the Secretary of Labor may direct the Contractor to take such action in the enforcement of these regulations, including the imposition of sanctions for noncompliance with respect to any such subcontract or purchase order. If the Contractor becomes involved in litigation with a subcontractor or vendor, or is threatened with such involvement, as a result of such direction, the Contractor may request the United States, through the Secretary of Labor, to enter into such litigation to protect the interests of the United States.

I.9 52.232-25 PROMPT PAYMENT (FEB 2002) Alternate I (FEB 2002)

Notwithstanding any other payment clause in this contract, the Government will make invoice payments under the terms and conditions specified in this clause. The Government considers payment as being made on the day a check is dated or the date of an electronic funds transfer (EFT). Definitions of pertinent terms are set forth in sections 2.101, 32.001, and 32.902 of the Federal Acquisition Regulation. All days referred to in this clause are calendar days, unless otherwise specified. (However, see paragraph (a)(4) of this clause concerning payments due on Saturdays, Sundays, and legal holidays.)

(a) Invoice payments--

(1) Due date.

(i) Except as indicated in paragraphs (a)(2) and (c) of this clause, the due date for making invoice payments by the designated payment office is the later of the following two events:

(A) The 30th day after the designated billing office receives a proper invoice from the Contractor (except as provided in paragraph (a)(1)(ii) of this clause).

(B) The 30th day after Government acceptance of supplies delivered or services performed. For a final invoice, when the payment amount is subject to contract settlement actions, acceptance is deemed to occur on the effective date of the contract settlement.

(ii) If the designated billing office fails to annotate the invoice with the actual date of receipt at the time of receipt, the invoice payment due date is the 30th day after the date of the Contractor's invoice, provided the designated billing office receives a proper invoice and there is no disagreement over quantity, quality, or Contractor compliance with contract requirements.

(2) Certain food products and other payments.

(i) Due dates on Contractor invoices for meat, meat food products, or fish; perishable agricultural commodities; and dairy products, edible fats or oils, and food products prepared from edible fats or oils are--

(A) For meat or meat food products, as defined in section 2(a)(3) of the Packers and Stockyard Act of 1921 (7 U.S.C. 182(3)), and as further defined in Pub. L. 98-181, including any edible fresh or frozen poultry meat, any perishable poultry meat food product, fresh eggs, and any perishable egg product, as close as possible to, but not later than, the 7th day after product delivery.

(B) For fresh or frozen fish, as defined in section 204(3) of the Fish and Seafood Promotion Act of 1986 (16 U.S.C. 4003(3)), as close as possible to, but not later than, the 7th day after product delivery.

(C) For perishable agricultural commodities, as defined in section 1(4) of the Perishable Agricultural Commodities Act of 1930 (7 U.S.C. 499a(4)), as close as possible to, but not later than, the 10th day after product delivery, unless another date is specified in the contract.

(D) For dairy products, as defined in section 111(e) of the Dairy Production Stabilization Act of 1983 (7 U.S.C. 4502(e)), edible fats or oils, and food products prepared from edible fats or oils, as close as possible to, but not later than, the 10th day after the date on which a proper invoice has been received. Liquid milk, cheese, certain processed cheese products, butter, yogurt, ice cream, mayonnaise, salad dressings, and other similar products, fall within this classification. Nothing in the Act limits this classification to refrigerated products. When questions arise regarding the proper classification of a specific product, prevailing industry

practices will be followed in specifying a contract payment due date. The burden of proof that a classification of a specific product is, in fact, prevailing industry practice is upon the Contractor making the representation.

(ii) If the contract does not require submission of an invoice for payment (e.g., periodic lease payments), the due date will be as specified in the contract.

(3) Contractor's invoice. The Contractor shall prepare and submit invoices to the designated billing office specified in the contract. A proper invoice must include the items listed in paragraphs (a)(3)(i) through (a)(3)(x) of this clause. If the invoice does not comply with these requirements, the designated billing office will return it within 7 days after receipt (3 days for meat, meat food products, or fish; 5 days for perishable agricultural commodities, dairy products, edible fats or oils, and food products prepared from edible fats or oils), with the reasons why it is not a proper invoice. The Government will take into account untimely notification when computing any interest penalty owed the Contractor.

(i) Name and address of the Contractor.

(ii) Invoice date and invoice number. (The Contractor should date invoices as close as possible to the date of the mailing or transmission.)

(iii) Contract number or other authorization for supplies delivered or services performed (including order number and contract line item number).

(iv) Description, quantity, unit of measure, unit price, and extended price of supplies delivered or services performed.

(v) Shipping and payment terms (e.g., shipment number and date of shipment, discount for prompt payment terms). Bill of lading number and weight of shipment will be shown for shipments on Government bills of lading.

(vi) Name and address of Contractor official to whom payment is to be sent (must be the same as that in the contract or in a proper notice of assignment).

(vii) Name (where practicable), title, phone number, and mailing address of person to notify in the event of a defective invoice.

(viii) Taxpayer Identification Number (TIN). The Contractor shall include its TIN on the invoice only if required elsewhere in this contract.

(ix) Electronic funds transfer (EFT) banking information.

(A) The Contractor shall include EFT banking information on the invoice only if required elsewhere in this contract.

(B) If EFT banking information is not required to be on the invoice, in order for the invoice to be a proper invoice, the Contractor shall have submitted correct EFT banking information in accordance with the applicable solicitation provision (e.g., 52.232- 38, Submission of Electronic Funds Transfer Information with Offer), contract clause (e.g., 52.232-33, Payment by Electronic Funds Transfer--Central Contractor Registration, or 52.232-34, Payment by Electronic Funds Transfer--Other Than Central Contractor Registration), or applicable agency procedures.

(C) EFT banking information is not required if the Government waived the requirement to pay by EFT.

(x) Any other information or documentation required by the contract (e.g., evidence of shipment).

(4) Interest penalty. The designated payment office will pay an interest penalty automatically, without request from the Contractor, if payment is not made by the due date and the conditions listed in paragraphs (a)(4)(i) through (a)(4)(iii) of this clause are met, if applicable. However, when the due date falls on a Saturday, Sunday, or legal holiday, the designated payment office may make payment on the following working day without incurring a late payment interest penalty.

(i) The designated billing office received a proper invoice.

(ii) The Government processed a receiving report or other Government documentation authorizing payment, and there was no disagreement over quantity, quality, or Contractor compliance with any contract term or condition.

(iii) In the case of a final invoice for any balance of funds due the Contractor for supplies delivered or services performed, the amount was not subject to further contract settlement actions between the Government and the Contractor.

(5) Computing penalty amount. The Government will compute the interest penalty in accordance with the Office of Management and Budget prompt payment regulations at 5 CFR part 1315.

(i) For the sole purpose of computing an interest penalty that might be due the Contractor, Government acceptance is deemed to occur constructively on the 7th day (unless otherwise specified in this contract) after the Contractor delivers the supplies or performs the services in accordance with the terms and conditions of the contract, unless there is a disagreement over quantity, quality, or Contractor compliance with a contract provision. If actual acceptance occurs within the constructive acceptance period, the Government will base the determination of an interest penalty on the actual date of acceptance. The constructive acceptance requirement does not, however, compel Government officials to accept supplies or services, perform contract administration functions, or make payment prior to fulfilling their responsibilities.

(ii) The prompt payment regulations at 5 CFR 1315.10(c) do not require the Government to pay interest penalties if payment delays are due to disagreement between the Government and the Contractor over the payment amount or other issues involving contract compliance, or on amounts temporarily withheld or retained in accordance with the terms of the contract. The Government and the Contractor shall resolve claims involving disputes and any interest that may be payable in accordance with the clause at FAR 52.233-1, Disputes.

(6) Discounts for prompt payment. The designated payment office will pay an interest penalty automatically, without request from the Contractor, if the Government takes a discount for prompt payment improperly. The Government will calculate the interest penalty in accordance with the prompt payment regulations at 5 CFR part 1315.

(7) Additional interest penalty.

(i) The designated payment office will pay a penalty amount, calculated in accordance with the prompt payment regulations at 5 CFR part 1315 in addition to the interest penalty amount only if--

(A) The Government owes an interest penalty of \$1 or more;

(B) The designated payment office does not pay the interest penalty within 10 days after the date the invoice amount is paid; and

(C) The Contractor makes a written demand to the designated payment office for additional penalty payment, in accordance with paragraph (a)(7)(ii) of this clause, postmarked not later than 40 days after the invoice amount is paid.

(ii)(A) The Contractor shall support written demands for additional penalty payments with the following data. The Government will not request any additional data. The Contractor shall--

(1) Specifically assert that late payment interest is due under a specific invoice, and request payment of all overdue late payment interest penalty and such additional penalty as may be required;

(2) Attach a copy of the invoice on which the unpaid late payment interest is due; and

(3) State that payment of the principal has been received, including the date of receipt.

(B) If there is no postmark or the postmark is illegible--

(1) The designated payment office that receives the demand will annotate it with the date of receipt, provided the demand is received on or before the 40th day after payment was made; or

(2) If the designated payment office fails to make the required annotation, the Government will determine the demand's validity based on the date the Contractor has placed on the demand, provided such date is no later than the 40th day after payment was made.

(iii) The additional penalty does not apply to payments regulated by other Government regulations (e.g., payments under utility contracts subject to tariffs and regulation).

(b) Contract financing payment. If this contract provides for contract financing, the Government will make contract financing payments in accordance with the applicable contract financing clause.

(c) Fast payment procedure due dates. If this contract contains the clause at 52.213-1, Fast Payment Procedure, payments will be made within 15 days after the date of receipt of the invoice.

(d) Overpayments. If the Contractor becomes aware of a duplicate payment or that the Government has otherwise overpaid on an invoice payment, the Contractor shall immediately notify the Contracting Officer and request instructions for disposition of the overpayment.

(e) Invoices for interim payments. For interim payments under this cost-reimbursement contract for services--

(1) Paragraphs (a)(2), (a)(3), (a)(4)(ii), (a)(4)(iii), and (a)(5)(i) do not apply;

(2) For purposes of computing late payment interest penalties that may apply, the due date for payment is the 30th day after the designated billing office receives a proper invoice; and

(3) The contractor shall submit invoices for interim payments in accordance with paragraph (a) of FAR 52.216-7, Allowable Cost and Payment. If the invoice does not comply with contract requirements, it will be returned within 7 days after the date the designated billing office received the invoice.

I.10 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far>

PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS**SECTION J - LIST OF ATTACHMENTS****SECTION J - LIST OF ATTACHMENTS**

ATTACHMENT NUMBER	TITLE
1.	Guidance for the Development of Requests for Additional Information (RAIs) for COL Applications
2.	Task Order Staffing Plan Format
3.	Task Order Project Plan Format
4.	Performance Evaluation Plan
5.	Performance Requirements Summary
6.	Monthly Letter Status Report (MLSR) Format
7.	Billing Instructions for Cost-Reimbursement
8.	Contractor Spending Plan
9.	Organizational Conflicts of Interest

Guidance for the Development of Requests for Additional Information (RAIs) for COL Applications

I. Purpose

This style guide provides guidance to NRC staff on the request for additional information (RAI) phase of the COL application review and may be provided to the appropriate contractor for their use in COL applications reviews.

II. Overview and Internal NRC Process

The branch seeking additional information prepares the questions, which are reviewed by the branch lead. The questions are forwarded to the project manager (PM). The PM reviews each question to ensure that he or she understands what information is sought, that the question is unambiguous, that the question includes an adequate basis, and that the information sought is necessary for the safety review. The PM may clarify the question but should obtain the concurrence of the technical branch reviewer if the change is of a technical nature. If not already assigned, the PM assigns a unique number to each RAI to link the RAI to a section of the COL application. The PM then forwards the questions to the applicant. The PM and review branch interact with the applicant as necessary to ensure that the applicant understands the questions or to give the applicant the opportunity to identify when the requested information is already available to the staff (i.e., in the UFSAR, Technical Specifications, or other docketed correspondence). Some RAIs are typically dropped during this interaction. The staff then formally transmits the RAIs to the PM, and the PM formally transmits the RAIs, along with any pertinent guidance (i.e., the date by which the applicant must respond) to the applicant.

III. RAI Guidance

1. An RAI should be limited to the scope of the Rule, 10 CFR Part 52.
 - a. An RAI should not imply that the current licensing basis (CLB) is inadequate. CLB issues should be addressed under Part 50.
 - b. An RAI should not request information that is already on the docket. Note that the draft RAIs occasionally contain information that is already on the docket if the information is not readily available to the staff. These draft RAIs are typically dropped during interactions with the applicants, as described above.
2. An RAI should include the appropriate basis for requesting the information. The basis should explain why the information is needed, including how it will be used to help make a reasonable assurance finding.
3. Judgmental language should be avoided.
 - a. Questions should not make adequacy determinations. Staff evaluations and conclusions belong in the SER.

- b. Words like unacceptable, deficient, and deviation should be avoided. Likewise, avoid using phrases like *the staff will require that* since it is premature to require anything when you are asking questions.
4. Questions should be focused, not open-ended.
- a. The RAI should be in the form of a question or an imperative to provide what is needed to satisfy the RAI. When the reviewer needs specific information or the underlying issue may not be apparent, the RAI should clearly identify the information requested and/or the underlying issue.
 - b. Questions should not pertain to information that is either already available (such as asking about plant technical specifications) or not the applicant's responsibility.
 - c. "If ... then" questions (questions that could lead to follow on questions) should provide both parts of the question.
 - d. Ask questions to clarify conflicting or contradictory statements in the application.

Note that reviewers' RAIs should be limited to their areas (e.g., hydrology reviewers shouldn't be asking seismology questions). If a reviewer has questions outside their review area, the reviewer must communicate the questions to the appropriate reviewers. The PM can coordinate this communication.

5. Assign each RAI a unique number that links the RAI to a section of the application.
- a. If an RAI applies to a specific section of the SER, use the section number followed by a unique question number (e.g., the first question related to Section 3.3.4 would be numbered RAI 3.3.4-1).
 - b. If the RAI applies to more than one section of the SER, use the next higher section number (e.g., if a question is applicable to Sections 3.3.4, 3.3.5, and 3.3.6, assign the question to Section 3.3, such as RAI 3.3-1). The same RAI question should not be repeated in the various sections.

IV. Sample RAI

10 CFR 100.23 requires a probabilistic seismic hazard analysis or suitable sensitivity analysis in order to address the uncertainties inherent in the estimation of the Safe Shutdown Earthquake (SSE) ground motion. Regulatory Guide 1.165 (RG 1.165), "Identification and Characterization of Seismic Sources and Determination of Safe Shutdown Earthquake Ground Motion" provides specific guidance with respect to the probabilistic evaluations that should be conducted to address the uncertainties associated with determining the SSE ground motion. RG 1.165 specifies a target or reference probability that is to be used to determine the controlling earthquake(s) magnitude and distance (M, D) and SSE spectra for the site. The reference probability is the annual probability level such that 50 percent of a set of currently operating plants have an annual median probability of exceeding their SSE that is below this level. Section 2.5.2 of the application does not specify that the reference probability (median 10^{-5})

from RG 1.165 was used to determine the controlling earthquake(s) (M,D) for North Anna. Clarify whether the reference probability from RG 1.165 was used to determine the controlling earthquake for North Anna and if a different reference probability was used, then justify the use of the new probability value.

V. Interactions with the Applicant

1. After an RAI has been forwarded to the PM, the PM may hold teleconferences and/or public meetings before issuing the RAI:
 - a. The discussions prevent misunderstanding of the intent of the questions.
 - b. If a draft RAI is clarified or resolved before issuance, the PM develops a docketed record of the resolution (i.e., minutes of a public meeting or a teleconference summary). An RAI can only be considered resolved if the information is already in the application or other documents previously submitted to the NRC. If not, the RAI is sent to the applicant so that the applicant's response will be submitted on the docket.
2. After the final RAIs have been issued, the applicant may request a teleconference and/or a public meeting:
 - a. The teleconferences and/or meetings provide additional clarification of the intent of the RAIs and help the applicant prepare satisfactory responses.
 - b. To ensure that the response appropriately addresses the RAI, the applicant may submit a draft response (which the PM docketed in the Agency-Wide Documents Access and Management System (ADAMS) and request a follow up teleconference and/or meeting.
3. After receiving the applicant's response to the RAI, the PM may hold a teleconference and/or a public meeting with the applicant:
 - a. The purpose of discussing a response with the applicant is to better understand the response and/or clarify areas of disagreement. If the resolution of a response relies on information not submitted to the NRC, the applicant should submit the information on the docket. The submission is not intended to be another RAI or a means to minimize the number of SER open items, but in actual practice this step frequently reduces the number of SER open items.
 - b. If the areas of disagreement remain, the unresolved RAI becomes an SER open item.

VI. Receipt of the Responses to the RAIs

On receiving the applicant's response to an RAI, the PM provides a copy to the reviewers. The reviewers have a specified time based on the schedule to review the response for acceptability. If time permits, the PM and the reviewers may discuss incomplete RAI responses with the applicant. The discussions are not to be construed

as another RAI. An RAI that remains open becomes a safety evaluation report open item.

Task Order Staffing Plan Format

The task order staffing plan shall identify all proposed organizational resources to be dedicated to the task order effort. The plan shall clearly indicate the capabilities of the proposed personnel to perform the effort described in the statement of work for the specific task order effort. The following (or similar) format shall be used to represent the staffing plan. The staffing plan shall include the name, discipline/expertise, project role, and estimated hours of all personnel proposed to accomplish the effort, as well as, all proposed consultants and subcontract personnel. For all personnel not initially proposed in the base agreement, provide a resume.

You are also required to identify any current/former NRC employees (list name, title, and date individual left NRC and provide a brief description of the individual's role under this proposal). If there are no current/former NRC employees involved, a negative statement is required.

Staffing Plan - Task Order

Name	Expertise	Project Role (task)	Title	Est. Hours

Task Order Project Plan Format

The task order project plan shall clearly describe your organization's planned technical and management approach to performing the effort described in the specific task order. You shall describe your proposed technical approach by task, identifying for each, the schedule, milestones, and deliverables (in Microsoft Project® or similar format); the methodology, innovations, and quality control measures to be used; problems and risks anticipated, as well as your risk mitigation plans. This project plan supplements the project management plan developed for the SOW. Once established, and approved by the TM, this project plan, inclusive of schedule, shall form the basis for accomplishment of the task order and shall be used as a means to assess performance.

Project Plan

Approach *A team of experts (e.g. Key Personnel) as identified in the attached staffing plan will be assigned to this effort. The effort will be conducted according to the following process and schedule. Innovations to be used to ensure the schedule is met, consist of use of Microsoft Project® or similar format.*

Task Name	Duration	Projected Start Date	Projected Finish Date
Authorization to Proceed - Staff assignments finalized			
Meeting with NRC for review of Project Plan			
Finalized Project Plan submitted (Deliverable)			
Task 1 - AAA			
Task 2 - BBB Report Completed (Deliverable)			
Internal Performance assessment completed (mid-project)			
Lessons learned documented			
Review NRC completed Performance Assessment and provide comments & lessons learned			

Quality Control All deliverable products will receive peer review by an independent experienced editor and technical reviewer prior to being submitted to NRC and in accordance with the quality control plan. A NUREG template will be used by all reviewers.

Performance Evaluation Plan

JCN: _____ Task Order #: _____ Rating Period: MM/DD/YYYY to MM/DD/YYYY
 TM: _____ (Contractor) PM: _____
Assessment of Task Order Performance

Category	Rating			
I. Technical Performance	Excellent	Satisfactory	Unsatisfactory	N/A
Appropriate Standard Review Plan (SRP)/Environmental Impact Statements (EIS) Sections Reviewed				
Incorporation of Comments				
II. Task Management	Excellent	Satisfactory	Unsatisfactory	N/A
Timeliness (Schedule)				
III. Budget Management	Excellent	Satisfactory	Unsatisfactory	N/A
Budget Compliance				

Note: A written justification is required, and must be attached, for any rating of Unsatisfactory; however, comments may still be provided with a Satisfactory rating if there are issues of concern.

TM

I certify that the above evaluation is accurate.

PO

I concur in the rating provided by the TO TM.

Comments:**Comments:****Signature****Date****Signature****Date**

Note: PO signature only required when rating of unsatisfactory is given

Rating Scale and Subcategory Definitions

Rating Scale

Appropriate SRP Sections Reviewed

- Excellent – Reviewed all appropriate SRP sections and subsections as specified in the Task Order. Interfaced with NRC staff at least weekly to collect their inputs, and made recommendations in a clear and concise manner.
- Satisfactory – Addressed all appropriate SRP sections and subsections as specified in the Task Order. Communication with the NRC staff was infrequent (less than weekly) but adequate.
- Unsatisfactory – Did not address 2 or more appropriate SRP sections and subsections as specified in the Task Order. Communications with NRC staff was infrequent and inadequate.

Budget

- Excellent – Performed all work specified in the Task Order at or within the initial budget.
- Satisfactory – Performed all identified tasks within the NRC adjusted budget that was adjusted for issues outside the Contractor's control. Contractor identified budget and schedule issues promptly to NRC to allow adequate time to evaluate the situation and revise the budget as needed.
- Unsatisfactory – Failed to complete work specified in the Task Order within budget. Did not adequately keep NRC advised of issues that could affect the task budget or schedule.

Incorporation of Comments

- Excellent – Communicated effectively and in a timely manner with NRC to incorporate NRC comments promptly and correctly. Resolved or incorporated major comments in one iteration. General and editorial comments were resolved quickly and ahead of schedule. Questions and potential issues were resolved in a highly professional manner.
- Satisfactory – Communicated adequately with the NRC staff to collect and incorporate comments. One or more rounds of comment resolution was required to resolve major issues. General and editorial comments were resolved within the established scheduled time period.
- Unsatisfactory – Communication between the contractor and NRC was inadequate to identify and incorporate comments in a timely manner. Several iterations of comment resolution were insufficient to incorporate the NRC comments. Major issue resolution was not pursued appropriately, and general and editorial comments were not adequately addressed, which caused a schedule delay.

Timeliness

- Excellent – Completed all tasks on or ahead of schedule

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- Satisfactory – Completed all tasks at or ahead of the schedule revised due to circumstances beyond the contractor's control.
- Unsatisfactory – Exceeded the agreed upon (or revised) schedule by greater than 2 business days.

Performance Requirements Summary

Performance Requirements and Deliverables	Standard	Method of Review	Incentive/Deduction
Management Controls	A Project Plan shall be established consistent with the NRC licensing review schedule. The format for this Project Plan is provided in Attachment 3. Once established, and approved by the TM, the project plan, inclusive of schedule, shall form the basis for accomplishment of the task order and shall be used as a means to assess performance.	The TM or designee will review. The licensing review schedule will be updated and monitored on a frequent basis. The TM shall assess the performance of the contractor for each task order using the Performance Evaluation Plan provided in Attachment 4.	Full payment for 100% compliance. Items determined to be missing or incorrect will be corrected by the contractor. Award of subsequent task orders will be based on the assigned contractors ability to meet the schedule, milestones, and deliverable requirements of the preceding orders as documented on Attachment 4.

Technical Evaluation Report	The format will be provided as an Attachment to the task order, upon contract award. The content should address the relevant portion of NUREG-0800, "Standard Review Plan (SRP)" or (NUREG 1555, "Environmental SRP" and any Safety Evaluation Report (SER) writing templates furnished by the NRC.	The TM or designee will review the technical letter report to the standards to assure compliance. The TM shall assess the performance of the contractor for each task order using the Performance Evaluation Plan provided in Attachment 4.	Full payment for 100% compliance. Items determined to be missing or incorrect will be corrected by the contractor. Award of subsequent task orders will be based on the assigned contractors ability to meet the schedule, milestones, and deliverable requirements of the preceding orders as documented on Attachment 4.
Performance Requirements and Deliverables	Standard	Method of Review	Incentive/Deduction
Request for additional information (RAIs)	Guidance for writing RAIs is provided in Attachment 1.	The TM or designee will review the RAIs to the standards to assure compliance. The TM shall assess the performance of the contractor using the Performance Evaluation Plan provided in Attachment 4.	Full payment for 100% compliance. Items determined to be missing or incorrect will be corrected by the contractor. Award of subsequent task orders will be based on the assigned contractors ability to meet the schedule, milestones, and deliverable requirements of the preceding orders documented on Attachment 4.

Monthly Letter Status Report (MLSR) Format
Under JCN-.....

A. Task Order Identification and Financial Summary Information

Contract/Agreement Number	JCN Number	Task Order Number
	J-NNN	MMM

Project Title: XXX

TM: ZZZ

PO: AAA

Total Award Amount:

Funds Obligated to Date:

Total Costs Incurred This Reporting

Period Direct:

Total Costs Incurred This Reporting

Period Indirect:

Cumulative Costs to Date:

Percent Expended (Cum

Cost/Obligated):

Balance of Obligated Funds

Remaining:

Balance of Fund Required for

Completion:

Period of Performance:

Spending Plan:

[illegible]

B. Efforts Completed/Schedule Milestone Information

Subtask	Description	Planned Completion Date	Revised Completion Date	Actual Completion Date

C. Work Performed

Work under this task order is XX percent complete.
[Also provide by SubTask, if appropriate]

D. Problem/Resolution**E. Travel for This Period**

Name	Start Date	End Date	Destination/Activity

F. Plans for Next Period**G. Staff Hour Summary**

Subtask	Staff Assigned	Hours Budgeted	Hours Expended	Task Status

ATTACHMENT 7

BILLING INSTRUCTIONS

BILLING INSTRUCTIONS FOR COST REIMBURSEMENT TYPE CONTRACTS (October 2003)

General: The contractor is responsible during performance and through final payment of this contract for the accuracy and completeness of the 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 vouchers/invoices for reimbursement of costs in the manner and format described herein. **FAILURE TO SUBMIT VOUCHERS/INVOICES IN ACCORDANCE WITH THESE INSTRUCTIONS WILL RESULT IN REJECTION OF THE VOUCHER/INVOICE AS IMPROPER.**

Number of Copies: An original and three copies, including supporting documentation shall be submitted. A copy of all supporting documents must be attached to each copy of your voucher/invoice. Failure to submit all the required copies will result in rejection of the voucher/invoice as improper.

Designated Agency Billing Office: Vouchers/invoices shall be submitted to the following address:

U.S. Nuclear Regulatory Commission
Division of Contracts - T-7-I-2
Washington, DC 20555

HAND DELIVERY OF VOUCHERS/INVOICES IS DISCOURAGED AND WILL NOT EXPEDITE PROCESSING BY NRC. However, should you choose to deliver vouchers/invoices by hand, including delivery by any express mail services or special delivery services which use a courier or other person to deliver the voucher/invoice in person to the NRC, such vouchers/invoices must be addressed to the above Designated Agency Billing Office and will only be accepted at the following location:

U.S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike - Mail Room
Rockville, MD 20852

HAND-CARRIED SUBMISSIONS WILL NOT BE ACCEPTED AT OTHER THAN THE ABOVE ADDRESS.

Note that the official receipt date for hand-delivered vouchers/invoices will be the date it is received by the official agency billing office in the Division of Contracts.

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

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

Format: Claims should be submitted in the format depicted on the attached sample form entitled "Voucher/Invoice for Purchases and Services Other than Personal" (see **Attachment 1**). The sample format is provided for guidance only. The format is not required for submission of a voucher/invoice. Alternate formats are permissible provided all requirements of the billing instructions are addressed. The instructions for preparation and itemization of the voucher/invoice are included with the sample form.

ATTACHMENT 7

BILLING INSTRUCTIONS

Billing Instructions for Cost Reimbursement Type Contracts

Task Ordering Contracts: If the contractor bills for more than one task order under a voucher/invoice, detailed cost information for each individual task order shall be submitted, together with a cumulative summary of all charges billed on the voucher/invoice. This includes all applicable cost elements discussed in paragraphs (a) through (n) of the attached instructions.

Fee Recovery Billings: Pursuant to the provisions of 10 CFR Part 170 and 171 on license fees, the NRC must recover the cost of work performed. Accordingly, the contractor must provide the total amount of funds billed during the period, fiscal year to date and the cumulative total for each task or task assignment by facility or report. The fee recovery billing reports shall be on a separate page, and shall be in the format provided in **Attachment 2**. The billing period for fee recovery costs should be from the first day of each calendar month to the last day of the same month. Each separate fee billing report must be attached to the monthly invoice and cover the same period as the invoice.

Each report will contain a docket number or other unique identifier. The NRC will provide a unique identifier for all work performed. Costs should be reported as whole number to the nearest cent. For work that involves more than one facility at the same site, each facility should be listed separately and the costs should be split appropriately between the facilities. Common costs, as defined below, shall be identified as a separate line item in the fee recovery billing report each month.

Common costs are those costs that are not licensee unique and associated with the performance of an overall program that benefit all similar licensees covered under that program or that are required to satisfactorily carry out the program. Common costs include costs associated with the following: preparatory or start-up efforts to interpret and reach agreement on methodology, approach, acceptance criteria, regulatory position, or technical reporting requirements; efforts associated with the "lead plant" concept that might be involved during the first one or two plant reviews; meetings and discussions involving the above efforts to provide orientation, background knowledge or guidance during the course of a program; any technical effort applied to a docket or other unique identifier; and project management. Common costs must be reporting monthly for each docket or unique identifier. Common costs must be computed based on the proportion of direct costs incurred against each docket or unique identifier for the billing period.

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

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

Currency: Billings may be expressed in the currency normally used by the contractor in maintaining his accounting records; payments will be made in that currency. However, the U.S. dollar equivalent for all vouchers/invoices paid under the contract may not exceed the total U.S. dollars authorized in the contract.

Supersession: These instructions supersede any previous billing instructions.

INVOICE/VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

(SAMPLE FORMAT)

1. Official Agency Billing Office

U.S. Nuclear Regulatory Commission
Division of Contracts MS: T-7-I-2
Washington, DC 20555-0001

2. 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. 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 52.232-33(g) Payment by Electronic Funds Transfer - Central Contractor Registration (October 2003).
- c. Contract Number. Insert the NRC contract number.
Task Order No. Insert the task order number (If Applicable).
- d. Voucher/Invoice. The appropriate sequential number of the voucher/invoice, 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.
- e. Date of Voucher/Invoice. Insert the date the voucher/invoice is prepared.
- f. Billing period. Insert the beginning and ending dates (day, month, year) of the period during which costs were incurred and for which reimbursement is claimed.
- g. 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	Hrs.			Cumulative
<u>Category</u>	<u>Billed</u>	<u>Rate</u>	<u>Total</u>	<u>Hrs.Billed</u>
 - (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) Capitalized Non Expendable Equipment. 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) the item number for the specific piece of equipment listed in the property schedule of the contract; or (b) the Contracting Officer's approval letter if the equipment is not covered by the property schedule.
 - (4) Non-capitalized Equipment, Materials, and Supplies. These are equipment other than that described in (3) above, plus consumable materials, supplies. List by category. List items valued at \$500 or more separately. Provide the item number for each piece of equipment valued at \$500 or more.

Billing Instructions for Cost Reimbursement Type Contracts

- (5) **Premium Pay.** This enumeration in excess of the basic hourly rate. (Requires written approval of the Contracting Officer.)
- (6) **Consultants.** 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	\$

- (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.
- h. **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 claimed.
- i. **Fixed Fee.** If the contract provides for a fixed fee, it must be claimed as provided for by the contract. Cite the formula or method of computation. Include this information as it applies to individual task orders as well. The contractor may bill for fixed fee only up to 85% of total fee.
- j. **Total Amount Billed.** Insert the total amounts claimed for the current and cumulative periods.
- k. **Adjustments.** For cumulative amount, include outstanding suspensions.
- l. **Grand Totals.**

Further itemization of vouchers/invoices shall only be required for items having specific limitations set forth in the contract.

3. Sample Voucher Information

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

	<u>Amount Billed</u>
	<u>Current Period Cumulative</u>

- (a) Direct Costs
 - (1) Direct labor*.....
 - (2) Fringe benefits
(%, if computed as percentage).....
 - (3) Capitalized nonexpendable
equipment (\$50,000 or more -
see instructions)*.....
 - (4) Non-capitalized equipment,
materials, and supplies.....
 - (5) Premium pay (NRC approved overtime).....
 - (6) Consultants*.....
 - (7) Travel*.....
 - (8) Subcontracts*.....
 - (9) Other costs*.....

Billing Instructions for Cost Reimbursement Type Contracts
Attachment 1; Page 3

Total Direct Costs

ATTACHMENT 7

BILLING INSTRUCTIONS

- (b) Indirect Costs
 (A) Overhead ___ % of _____
 (Indicate Base).....
 (B) General & Administrative Expense
 ___ % of Cost Elements Nos.
 Total Direct & Indirect Costs
- (c) Fixed-Fee (Cite Formula):
 (d) Total Amount Billed.....
 (e) Adjustments.....
 (f) Grand Totals.....
- * (Requires Supporting Information -- See Sample below)

SAMPLE SUPPORTING INFORMATION1) Direct Labor - \$2400

Labor	Hours		Cumulative	
<u>Category</u>	<u>Billed</u>	<u>Rate</u>	<u>Total</u>	<u>Hrs. Billed</u>
Senior Engineer I	100	\$14.00	\$1400	975
Engineer	50	\$10.00	\$500	465
Computer Analyst	100	\$5.00	<u>\$500</u>	320
			<u>\$2400</u>	

3) Capitalized Non-Expendable Equipment

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

4) Non-capitalized Equipment, Materials, and Supplies

10 Radon tubes @ \$110.00 = \$1100.00

6 Pairs Electrostatic gloves @ \$150.00 = \$900.00

\$2000.00

5) Premium Pay

Walter Murphy - 10 hours @ \$10.00 Per Hour = \$100
 (This was approved by NRC in letter dated 3/6/95).

6) Consultants' Fee

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

7) Travel

<u>Start Date</u>	<u>Destination</u>	<u>Costs</u>
3/1/89	Wash., DC	<u>\$200</u>

Billing Instructions for Cost Reimbursement Type Contracts

ATTACHMENT 7

BILLING INSTRUCTIONS

FEE RECOVERY BILLING REPORT

FIN:

Facility Name or Report Title:

TAC or Inspection Report Number:
(or other unique identifier)

Docket Number (if applicable):

Cost Categories	Period Amt.	Period Cost Incurred	Fiscal Year To Date Costs	Total Cumulative Costs
------------------------	--------------------	---------------------------------	--------------------------------------	-----------------------------------

Labor

Materials

**Subcontractor/
Consultant**

Travel

Other (specify)

Common Costs

Total

Remarks:

C:\temp\Billing instruct CR (October 2003).wpd

CONTRACTOR SPENDING PLAN - INSTRUCTIONS

The Contractor Spending Plan (CSP) is an important tool for projecting and tracking contract costs and progress each task under the contract.

Applicability

The Nuclear Regulatory Commission (NRC) requires that the CSP be completed for cost reimbursement contracts when the award amount is expected to exceed \$100,000 and the period of performance is expected to exceed 6 months. For task order type contracts, a CSP is required when an individual cost reimbursement task order is expected to exceed the above thresholds. When contract or task order modification increases the contract or task order amount of a cost reimbursement contract or task order to over \$100,000 and the period of performance from the effective date of the modification to the contract or task order expiration exceeds 6 months, a CSP is required for all contract work to be performed after the effective date of the modification.

Submission

1. A CSP is required:
 - a. as part of the cost proposal for a cost reimbursement contract or individual task order, or modification to a contract or task order which meets the above thresholds;
 - b. as part of the Best and Final Offer (if requested) as a result of negotiations;
2. Updated CSP information is required on a monthly basis or as approved by the CO as part of the "Financial Status Report" (Ref: Section F.(fillin) , "Financial Status Report").

Format

The attached CSP sample format may be duplicated and used by the Contractor, or modified to permit more accurate reporting or to meet other needs of the contractor. For instance, the sample format provides spaces to report projected costs for 12 months, but the contractor may wish to alter the sample format for shorter or longer contract/task order periods. The contractor may also wish to alter the sample format for ease of typing or automated production. So long as complete information is provided on actual and projected costs or accomplishments, changes to the format to improve relevance to the circumstances are encouraged.

It is up to the discretion of the offeror to determine the appropriate level of cost detail to be presented based on the complexity of the effort. This plan reflects only the minimum requirements for submission of cost details which will be considered for completeness, reasonableness, and as a measure of effective management of the effort. The Contracting Officer reserves the right to request additional cost information, if deemed necessary.

ATTACHMENT 8 - CONTRACTOR SPENDING PLAN CONTRACTOR SPENDING PLAN (CSP)

(TO BE COMPLETED AS A PART OF THE OFFEROR'S COST PROPOSAL FOR EACH COST REIMBURSEMENT CONTRACT OR INDIVIDUAL TASK ORDER OR FOR ANY CONTRACT OR TASK ORDER MODIFICATION WHICH EXCEEDS \$100,000 AND HAS A PERFORMANCE PERIOD EXCEEDING 6 MONTHS)

Solicitation No. _____
Contract No. _____

Period of Performance: From _____ To _____

Task Order No. _____ Modification No. _____
Offeror/Contractor Name: _____

Total Estimated Costs (including fixed fee, if any) of the Proposed Contract/Task Order/Modification (to a contract or task order) at the time of proposal submission. Does not include options. \$ _____

Provide cost details by month for the total contract/task order/or task order modification

Cost Elements	<u>1st Month</u>	<u>2nd Month</u>	<u>3rd Month</u>	<u>4th Month</u>	<u>5th Month</u>	<u>6th Month</u>
Direct Costs	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Indirect Costs	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Total Estimated Costs including fixed fee if any	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Projected Completion	_____ %	_____ %	_____ %	_____ %	_____ %	_____ %

Cost Elements	<u>7th Month</u>	<u>8th Month</u>	<u>9th Month</u>	<u>10th Month</u>	<u>11th Month</u>	<u>12th Month</u>
Direct Costs	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Indirect Costs	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Total Estimated Costs including fixed fee if any	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Projected Completion	_____ %	_____ %	_____ %	_____ %	_____ %	_____ %

Subpart 2009.5 Organizational Conflicts of Interest

§2009.500 Scope of subpart.

In accordance with 42 U.S.C. 2210a., NRC acquisitions are processed in accordance with §2009.570, which takes precedence over FAR 9.5 with respect to organizational conflicts of interest. Where non-conflicting guidance appears in FAR 9.5, that guidance must be followed.

§2009.570 NRC organizational conflicts of interest.

§2009.570-1 Scope of policy.

(a) It is the policy of NRC to avoid, eliminate, or neutralize contractor organizational conflicts of interest. The NRC achieves this objective by requiring all prospective contractors to submit information describing relationships, if any, with organizations or persons (including those regulated by the NRC) which may give rise to actual or potential conflicts of interest in the event of contract award.

(b) Contractor conflict of interest determinations cannot be made automatically or routinely. The application of sound judgment on virtually a case-by-case basis is necessary if the policy is to be applied to satisfy the overall public interest. It is not possible to prescribe in advance a specific method or set of criteria which would serve to identify and resolve all of the contractor conflict of interest situations that might arise. However, examples are provided in these regulations to guide application of this policy guidance. The ultimate test is as follows: Might the contractor, if awarded the contract, be placed in a position where its judgment may be biased, or where it may have an unfair competitive advantage?

(c) The conflict of interest rule contained in this subpart applies to contractors and offerors only. Individuals or firms who have other relationships with the NRC (e.g., parties to a licensing proceeding) are not covered by this regulation. This rule does not apply to the acquisition of consulting services through the personnel appointment process, NRC agreements with other Government agencies, international organizations, or state, local, or foreign Governments. Separate procedures for avoiding conflicts of interest will be employed in these agreements, as appropriate.

§2009.570-2 Definitions.

Affiliates means business concerns which are affiliates of each other when either directly or indirectly one concern or individual controls or has the power to control another, or when a third party controls or has the power to control both.

Contract means any contractual agreement or other arrangement with the NRC except as provided in §2009.570-1(c).

Contractor means any person, firm, unincorporated association, joint venture, co-sponsor, partnership, corporation, affiliates thereof, or their successors in interest, including their chief executives, directors, key personnel (identified in the contract), proposed consultants or subcontractors, which are a party to a contract with the NRC.

Evaluation activities means any effort involving the appraisal of a technology, process, product, or policy.

Offeror or prospective contractor means any person, firm, unincorporated association, joint venture, co-sponsor, partnership, corporation, or their affiliates or successors in interest, including their chief executives, directors, key personnel, proposed consultants, or subcontractors, submitting a bid or proposal, solicited or unsolicited, to the NRC to obtain a contract.

Organizational conflicts of interest means that a relationship exists whereby a contractor or prospective contractor has present or planned interests related to the work to be performed under an NRC contract which:

- (1) May diminish its capacity to give impartial, technically sound, objective assistance and advice, or may otherwise result in a biased work product; or
- (2) May result in its being given an unfair competitive advantage.

Potential conflict of interest means that a factual situation exists that suggests that an actual conflict of interest may arise from award of a proposed contract. The term potential conflict of interest is used to signify those situations that

- (1) Merit investigation before contract award to ascertain whether award would give rise to an actual conflict; or
- (2) Must be reported to the contracting officer for investigation if they arise during contract performance.

Research means any scientific or technical work involving theoretical analysis, exploration, or experimentation.

Subcontractor means any subcontractor of any tier who performs work under a contract with the NRC except subcontracts for supplies and subcontracts in amounts not exceeding \$10,000.

Technical consulting and management support services means internal assistance to a component of the NRC in the formulation or administration of its programs, projects, or policies which normally require that the contractor be given access to proprietary information or to information that has not been made available to the public. These services typically include assistance in the preparation of program plans, preliminary designs, specifications, or statements of work.

§2009.570-3 Criteria for recognizing contractor organizational conflicts of interest.**(a) General.**

(1) Two questions will be asked in determining whether actual or potential organizational conflicts of interest exist:

(i) Are there conflicting roles which might bias an offeror's or contractor's judgment in relation to its work for the NRC?

(ii) May the offeror or contractor be given an unfair competitive advantage based on the performance of the contract?

(2) NRC's ultimate determination that organizational conflicts of interest exist will be made in light of common sense and good business judgment based upon the relevant facts. While it is difficult to identify and to prescribe in advance a specific method for avoiding all of the various situations or relationships that might involve potential organizational conflicts of interest, NRC personnel will pay particular attention to proposed contractual requirements that call for the rendering of advice, consultation or evaluation activities, or similar activities that directly lay the groundwork for the NRC's decisions on regulatory activities, future procurements, and research programs. Any work performed at an applicant or licensee site will also be closely scrutinized by the NRC staff.

(b) Situations or relationships. The following situations or relationships may give rise to organizational conflicts of interest:

(1) The offeror or contractor shall disclose information that may give rise to organizational conflicts of interest under the following circumstances. The information may include the scope of work or specification for the requirement being performed, the period of performance, and the name and telephone number for a point of contact at the organization knowledgeable about the commercial contract.

(i) Where the offeror or contractor provides advice and recommendations to the NRC in the same technical area where it is also providing consulting assistance to any organization regulated by the NRC.

(ii) Where the offeror or contractor provides advice to the NRC on the same or similar matter on which it is also providing assistance to any organization regulated by the NRC.

(iii) Where the offeror or contractor evaluates its own products or services, or has been substantially involved in the development or marketing of the products or services of another entity.

(iv) Where the award of a contract would result in placing the offeror or contractor in a conflicting role in which its judgment may be biased in relation to its work for the NRC, or would result in an unfair competitive advantage for the offeror or contractor.

(v) Where the offeror or contractor solicits or performs work at an applicant or licensee site while performing work in the same technical area for the NRC at the same site.

(2) The contracting officer may request specific information from an offeror or contractor or may require special contract clauses such as provided in §2009.570-5(b) in the following circumstances:

(i) Where the offeror or contractor prepares specifications that are to be used in competitive procurements of products or services covered by the specifications.

(ii) Where the offeror or contractor prepares plans for specific approaches or methodologies that are to be incorporated into competitive procurements using the approaches or methodologies.

(iii) Where the offeror or contractor is granted access to information not available to the public concerning NRC plans, policies, or programs that could form the basis for a later procurement action.

(iv) Where the offeror or contractor is granted access to proprietary information of its competitors.

(v) Where the award of a contract might result in placing the offeror or contractor in a conflicting role in which its judgment may be biased in relation to its work for the NRC or might result in an unfair competitive advantage for the offeror or contractor.

(c) Policy application guidance. The following examples are illustrative only and are not intended to identify and resolve all contractor organizational conflict of interest situations.

(1)(i) Example. The ABC Corp., in response to a Request For Proposal (RFP), proposes to undertake certain analyses of a reactor component as called for in the RFP. The ABC Corp. is one of several companies considered to be technically well qualified. In response to the inquiry in the RFP, the ABC Corp. advises that it is currently performing similar analyses for the reactor manufacturer.

(ii) Guidance. An NRC contract for that particular work normally would not be awarded to the ABC Corp. because the company would be placed in a position in which its judgment could be biased in relationship to its work for the NRC. Because there are other well-qualified companies available, there would be no reason for considering a waiver of the policy.

(2)(i) Example. The ABC Corp., in response to an RFP, proposes to perform certain analyses of a reactor component that is unique to one type of advanced reactor. As is the case with other technically qualified companies responding to the RFP, the ABC Corp. is performing various projects for several different utility clients. None of the ABC Corp. projects have any relationship to the work called for in the RFP. Based on the NRC evaluation, the ABC Corp. is considered to be the best qualified company to perform the work outlined in the RFP.

(ii) Guidance. An NRC contract normally could be awarded to the ABC Corp. because no conflict of interest exists which could motivate bias with respect to the work. An appropriate clause would be included in the contract to preclude the ABC Corp. from subsequently contracting for work with the private sector that could create a conflict during the performance of the NRC contract. For example, ABC Corp. would be precluded from the performance of similar work for the company developing the advanced reactor mentioned in the example.

(3)(i) Example. The ABC Corp., in response to a competitive RFP, submits a proposal to assist the NRC in revising NRC's guidance documents on the respiratory protection requirements of 10 CFR Part 20. ABC Corp. is the only firm determined to be technically acceptable. ABC Corp. has performed substantial work for regulated utilities in the past and is expected to continue similar efforts in the future. The work has and will cover the writing, implementation, and administration of compliance respiratory protection programs for nuclear power plants.

(ii) Guidance. This situation would place the firm in a role where its judgment could be biased in relationship to its work for the NRC. Because the nature of the required work is vitally important in terms of the NRC's responsibilities and no reasonable alternative exists, a waiver of the policy, in accordance with §2009.570-9 may be warranted. Any waiver must be fully documented in accordance with the waiver provisions of this policy with particular attention to the establishment of protective mechanisms to guard against bias.

(4)(i) Example. The ABC Corp. submits a proposal for a new system to evaluate a specific reactor component's performance for the purpose of developing standards that are important to the NRC program. The ABC Corp. has advised the NRC that it intends to sell the new system to industry once its practicability has been demonstrated. Other companies in this business are using older systems for evaluation of the specific reactor component.

(ii) Guidance. A contract could be awarded to the ABC Corp. if the contract stipulates that no information produced under the contract will be used in the contractor's private activities unless this information has been reported to the NRC. Data on how the reactor component performs, which is reported to the NRC by contractors, will normally be disseminated by the NRC to others to preclude an unfair competitive advantage. When the NRC furnishes information about the reactor component to the contractor for the performance of contracted work, the information may not be used in the contractor's

private activities unless the information is generally available to others. Further, the contract will stipulate that the contractor will inform the NRC contracting officer of all situations in which the information, developed about the performance of the reactor component under the contract, is proposed to be used.

(5)(i) Example. The ABC Corp., in response to a RFP, proposes to assemble a map showing certain seismological features of the Appalachian fold belt. In accordance with the representation in the RFP and §2009.570-3(b)(1)(i), ABC Corp. informs the NRC that it is presently doing seismological studies for several utilities in the eastern United States, but none of the sites are within the geographic area contemplated by the NRC study.

(ii) Guidance. The contracting officer would normally conclude that award of a contract would not place ABC Corp. in a conflicting role where its judgment might be biased. Section 2052.209-72(c) Work for Others, would preclude ABC Corp. from accepting work which could create a conflict of interest during the term of the NRC contract.

(6)(i) Example. AD Division of ABC Corp., in response to a RFP, submits a proposal to assist the NRC in the safety and environmental review of applications for licenses for the construction, operation, and decommissioning of fuel cycle facilities. ABC Corp. is divided into two separate and distinct divisions, AD and BC. The BC Division performs the same or similar services for industry. The BC Division is currently providing the same or similar services required under the NRC's contract for an applicant or licensee.

(ii) Guidance. An NRC contract for that particular work would not be awarded to the ABC Corp. The AD Division could be placed in a position to pass judgment on work performed by the BC Division, which could bias its work for NRC. Further, the Conflict of Interest provisions apply to ABC Corp. and not to separate or distinct divisions within the company. If no reasonable alternative exists, a waiver of the policy could be sought in accordance with §2009.570-9.

(7)(i) Example. The ABC Corp. completes an analysis for NRC of steam generator tube leaks at one of a utility's six sites. Three months later, ABC Corp. is asked by this utility to perform the same analysis at another of its sites.

(ii) Guidance. Section 2052.290-72(c)(3) would prohibit the contractor from beginning this work for the utility until one year after completion of the NRC work at the first site.

(8)(i) Example. ABC Corp. is assisting NRC in a major on-site analysis of a utility's redesign of the common areas between its twin reactors. The contract is for two years with an estimated value of \$5 million. Near the completion of the NRC work, ABC Corp. requests authority to solicit for a \$100K contract with the same utility to transport spent fuel to a disposal site. ABC Corp. is performing no other work for the utility.

(ii) Guidance. The Contracting Officer would allow the contractor to proceed with the solicitation because it is not in the same technical area as the NRC work; and the

potential for technical bias by the contractor because of financial ties to the utility is slight due to the relative value of the two contracts.

(9)(i) Example. The ABC Corp. is constructing a turbine building and installing new turbines at a reactor site. The contract with the utility is for five years and has a total value of \$100 million. ABC Corp. has responded to an NRC Request For Proposal requiring the contractor to participate in a major team inspection unrelated to the turbine work at the same site. The estimated value of the contract is \$75K.

(ii) Guidance. An NRC contract would not normally be awarded to ABC Corp. because these factors create the potential for financial loyalty to the utility that may bias the technical judgment of the contractor.

(d) Other considerations.

(1) The fact that the NRC can identify and later avoid, eliminate, or neutralize any potential organizational conflicts arising from the performance of a contract is not relevant to a determination of the existence of conflicts prior to the award of a contract.

(2) It is not relevant that the contractor has the professional reputation of being able to resist temptations which arise from organizational conflicts of interest, or that a follow-on procurement is not involved, or that a contract is awarded on a competitive or a sole source basis.

§2009.570-4 Representation.

(a) The following procedures are designed to assist the NRC contracting officer in determining whether situations or relationships exist which may constitute organizational conflicts of interest with respect to a particular offeror or contractor. The procedures apply to small purchases meeting the criteria stated in the following paragraph (b) of this section.

(b) The organizational conflicts of interest representation provision at §2052.209-71 must be included in solicitations and contracts resulting from unsolicited proposals. The contracting officer must also include this provision for task orders and contract modifications for new work for:

(1) Evaluation services or activities;

(2) Technical consulting and management support services;

(3) Research; and

(4) Other contractual situations where special organizational conflicts of interest provisions are noted in the solicitation and would be included in the resulting contract. This representation requirement also applies to all modifications for additional effort

under the contract except those issued under the "Changes" clause. Where, however, a statement of the type required by the organizational conflicts of interest representation provisions has previously been submitted with regard to the contract being modified, only an updating of the statement is required.

(c) The offeror may, because of actual or potential organizational conflicts of interest, propose to exclude specific kinds of work contained in a RFP unless the RFP specifically prohibits the exclusion. Any such proposed exclusion by an offeror will be considered by the NRC in the evaluation of proposals. If the NRC considers the proposed excluded work to be an essential or integral part of the required work and its exclusion would be to the detriment of the competitive posture of the other offerors, the NRC shall reject the proposal as unacceptable.

(d) The offeror's failure to execute the representation required by paragraph (b) of this section with respect to an invitation for bids is considered to be a minor informality. The offeror will be permitted to correct the omission.

§2009.570-5 Contract clauses.

(a) General contract clause. All contracts and simplified acquisitions of the types set forth in §2009.570-4(b) must include the clause entitled, "Contractor Organizational Conflicts of Interest," set forth in §2052.209-72.

(b) Other special contract clauses. If it is determined from the nature of the proposed contract that an organizational conflict of interest exists, the contracting officer may determine that the conflict can be avoided, or, after obtaining a waiver in accordance with §2009.570-9, neutralized through the use of an appropriate special contract clause. If appropriate, the offeror may negotiate the terms and conditions of these clauses, including the extent and time period of any restriction. These clauses include but are not limited to:

(1) Hardware exclusion clauses which prohibit the acceptance of production contracts following a related non-production contract previously performed by the contractor;

(2) Software exclusion clauses;

(3) Clauses which require the contractor (and certain of its key personnel) to avoid certain organizational conflicts of interest; and

(4) Clauses which provide for protection of confidential data and guard against its unauthorized use.

§2009.570-6 Evaluation, findings, and contract award.

The contracting officer shall evaluate all relevant facts submitted by an offeror and other relevant information. After evaluating this information against the criteria of §2009.570-

3, the contracting officer shall make a finding of whether organizational conflicts of interest exist with respect to a particular offeror. If it has been determined that real or potential conflicts of interest exist, the contracting officer shall:

- (a) Disqualify the offeror from award;
- (b) Avoid or eliminate such conflicts by appropriate measures; or
- (c) Award the contract under the waiver provision of §2009.570-9.

§2009.570-7 Conflicts identified after award.

If potential organizational conflicts of interest are identified after award with respect to a particular contractor and the contracting officer determines that conflicts do exist and that it would not be in the best interest of the Government to terminate the contract, as provided in the clauses required by §2009.570-5, the contracting officer shall take every reasonable action to avoid, eliminate, or, after obtaining a waiver in accordance with §2009.570-9, neutralize the effects of the identified conflict.

§2009.570-8 Subcontracts.

The contracting officer shall require offerors and contractors to submit a representation statement from all subcontractors (other than a supply subcontractor) and consultants performing services in excess of \$10,000 in accordance with §2009.570-4(b). The contracting officer shall require the contractor to include contract clauses in accordance with §2009.570-5 in consultant agreements or subcontracts involving performance of work under a prime contract.

§2009.570-9 Waiver.

- (a) The contracting officer determines the need to seek a waiver for specific contract awards with the advice and concurrence of the program office director and legal counsel. Upon the recommendation of the Senior Procurement Executive, and after consultation with legal counsel, the Executive Director for Operations may waive the policy in specific cases if he determines that it is in the best interest of the United States to do so.
- (b) Waiver action is strictly limited to those situations in which:
 - (1) The work to be performed under contract is vital to the NRC program;
 - (2) The work cannot be satisfactorily performed except by a contractor whose interests give rise to a question of conflict of interest.
 - (3) Contractual and/or technical review and surveillance methods can be employed by the NRC to neutralize the conflict.

(c) The justification and approval documents for any waivers must be placed in the NRC Public Document Room.

§2009.570-10 Remedies.

In addition to other remedies permitted by law or contract for a breach of the restrictions in this subpart or for any intentional misrepresentation or intentional nondisclosure of any relevant interest required to be provided for this section, the NRC may debar the contractor from subsequent NRC contracts.