

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
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1 6

2. AMENDMENT/MODIFICATION NO.

Twenty-Seven (27)

3. EFFECTIVE DATE

MAY 15 1985

4. REQUISITION/PURCHASE REQ NO.
NMS-83-035 dated 2/26/85

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

7. ADMINISTERED BY (If other than Item 6)

CODE

U.S. Nuclear Regulatory Commission
Division of Contracts, AR 2223
Washington, D.C. 20555

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

Science Applications International Corporation
P. O. Box 1303
1710 Goodridge Drive
McLean, Virginia 22102

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.

NRC-02-83-035

10B. DATED (SEE ITEM 13)

1/21/83

CODE

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

B&R No.: 50-19-01-00 FIN No.: D1025-5 (Task No. 014) OBLIGATE: \$115,252.00

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

(V) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
Mutual agreement of the parties

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

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

The purpose of this modification is to issue fully definitized Task Order No. 014 and to increase the amount obligated under the contract by \$115,252.00. Therefore, the following changes are hereby made:

A. Under Article V - Consideration and Payment, Section A, Estimated Cost, Fixed Fee and Obligation, paragraph 1, delete the figure "\$777,755.00" and insert "\$893,007.00" in lieu thereof.

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(Continued on page 2)

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

15A. NAME AND TITLE OF SIGNER (Type or print)

Mary L. Levick, Contracts Supervisor

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

Elois Wiggins, Contracting Officer

15B. CONTRACTOR/OFFEROR

Mary L. Levick
(Signature of person authorized to sign)

15C. DATE SIGNED

5/14/83

16B. UNITED STATES OF AMERICA

BY Elois Wiggins
(Signature of Contracting Officer)

16C. DATE SIGNED

5/15/85

- B. In accordance with Article II entitled "Task Order," authority is hereby provided for the contractor to perform Task Order No. 014 entitled "Review of H. B. Robinson Steam Electric Plant Unit No. 2 Dry Cask Independent Spent Fuel Storage Installation, Docket No. 72-3." The effort required shall be performed in accordance with the contractor's proposal dated March 21, 1985, which is hereby incorporated into the Statement of Work:

TASK DESCRIPTION

(See Attached)

TASK DESCRIPTION
FOR
LICENSING TECHNICAL ASSISTANCE
IN THE REVIEW OF
H. B. ROBINSON STEAM ELECTRIC PLANT UNIT NO. 2
DRY CONCRETE MODULE INDEPENDENT SPENT FUEL STORAGE INSTALLATION
DOCKET NO. 72-3
FIN D1025-5

1.0 Background

Carolina Power and Light Company (CP&L) has submitted an application for a materials license, under the provisions of 10 CFR Part 72, to possess spent fuel and other radioactive materials associated with spent fuel in an independent spent fuel storage installation (ISFSI). The ISFSI will be located on the H. B. Robinson Steam Electric Plant Unit No. 2 (HBR2) site in Darlington County, South Carolina. It will utilize a dry storage concrete module system.

The Safety Analysis Report (SAR) and Environmental Report (ER) included in CP&L's application have been accepted for docketing and provides a satisfactory framework for the initiation of the detailed review.

2.0 Work Required

This task is to provide licensing technical assistance to the NRC in its review of the ISFSI SAR submitted by CP&L. The scope of the review is principally based on 10 CFR Part 72. The review is a multidisciplinary activity culminating in written record that will clearly demonstrate the applicant's compliance and non-compliance to the requirements and criteria specified in 10 CFR Part 72. The written material furnished by the Contractor should be suitable for inclusion in the NRC's Safety Evaluation Report and Environmental Impact Statement or Assessment.

2.1 Staffing

The principal investigators represent the technical expertise provided by the Contractor and provide technical continuity during the entire review process. They should have professional credentials in the technical areas assigned to them that will qualify them as expert witnesses for testifying at public hearings. They should have a clear understanding of the depth of review generally required by the NRC and specifically required by the type of activity proposed by the applicant for the disciplines they represent.

In areas that can be best accomplished by less experienced personnel, the principal investigators may act as overseers, providing contractor quality control to task activities.

The reviewers will be responsible for a timely technical review of discrete areas within the entire review effort. Reviews can be performed by any qualified support staff member, but may be performed by a principal investigator or even by the project manager.

The reviewers who perform the actual work shall provide detailed technical records of the methods used to evaluate all aspects of their areas of responsibility. Upon completion of an evaluation, the reviewer or responsible principal investigator will distill this record to suitable documentation for inclusion in NRC reports.

2.2 Scope

The requirements of 10 CFR Part 72 will dictate the overall scope of the review. All evaluations performed by the Contractor should be based upon fulfilling specific requirements and criteria established in Subparts E and F of 10 CFR Part 72. Within Division 3 Regulatory Guides there are applicable methods acceptable to the NRC for implementing some 10 CFR Part 72 requirements and criteria. If adopted by the applicant these regulatory guides can be used to qualify discrete review areas.

Enclosed is a topical work breakdown structure for the safety-related review of a dry concrete module ISFSI. For this task, the contractor is not responsible for the review of 4.3 Safeguards, 4.4 Quality Assurance, 4.5 Emergency Planning and 5.0 Administration, but is responsible for all remaining areas shown on the work breakdown structure. The review of 1.0 Site will consist of assuring the range of site parameters developed and evaluated for the H3R2 site under Docket 50-261 are appropriately identified, summarized, updated and applied to the ISFSI. It is not necessary to perform a basic reevaluation of site characteristics previously established by the Part 50 review.

The review of those portions of 3.1 Fuel Transfer that take place within the reactor facility will consist only of assuring general compatibility of the reactor facility equipment and operations with ISFSI requirements.

The scope of this task does not include any participation in a public hearing nor any additional review effort that could evolve from such participation.

2.3 Schedule

The following schedule is based on estimates of time intervals to accomplish steps in the review process through the NRC documentation stage. However, the overall schedule is dependent on the applicant's response to NRC requests for information and any outstanding concerns.

Task Start-up and Coordination Meetings	2 week
Complete Requests for Additional Information	6 weeks
Complete Evaluation, Identifying Outstanding Concerns	4 weeks
Complete Final Evaluation	6 weeks

Discrete areas within task activities should be treated on the individual reviewer level. If a discrete area of review is satisfied by the initial submittal from the applicant, its final evaluation and documentation should be completed in the early stages of the review and should not wait for the review steps required for a more difficult area.

3.0 Task Reports

Two types of reports are required; reports on discrete areas of review and monthly reports identifying the overall progress of the task. For each discrete review area, the Contractor shall provide details of the review method, requests for information in a form suitable to transmit to the applicant, and documentation summarizing the evaluation and findings suitable to include in NRC reports. The last of these shall be submitted in draft and final form.

Monthly reports shall be submitted in accordance with the terms and conditions of the basic contract.

4.0 Travel

It is expected that there will be monthly coordination meetings between the Contractor and NRC staff throughout the duration of the task. This should be readily accommodated because of the proximity of the Contractor's offices and NRC offices in Silver Spring, Maryland.

If during the review process an area of review requires technical discussions between the Contractor and the applicant, the Contractor may be requested to attend meetings with the applicant. It is anticipated this could involve three meetings at NRC's offices in Silver Spring, Maryland. Depending upon their area of responsibility, it is expected that selected reviewers will make a site visit.

5.0 NRC Furnished Materials

The NRC will furnish the Contractor copies of documents docketed under Docket No. 72-3, pertinent topical reports, NRC's EIS and SER for HRR2, and appropriate portions of DPR-23 docket material.

6.0 Contractor Organizational Conflicts of Interest

In accordance with Clause 1.16, Contractor Organizational Conflicts of Interest, of the General Provisions, the contractor shall take the following actions to avoid a potential conflict of interest or the appearance thereof for the work performed under this Task Order. For the duration of Task Order 014, SAIC shall not:

- a. Enter into any contract to provide support in the area of spent fuel storage with Carolina Power and Light;
- b. Enter into any contract with a United States utility to provide designs for use on utility reactor sites of dry spent fuel storage systems, such as casks, dry wells, or vaults, until after full disclosure has been made to the Nuclear Regulatory Commission;
- c. Enter into any contract to provide assistance to United States vendors in developing or preparing topical reports on dry spent fuel storage systems for use by utilities on their reactor sites until after full disclosure has been made to the U.S. Nuclear Regulatory Commission.

7.0 Technical Direction

John P. Roberts is designated the NMSS Project Manager. Technical instructions may be issued from time to time during the duration of this task. Technical instructions shall not constitute new assignments of work or changes of such nature as to justify an adjustment in cost or period of performance. Directions for changes in scope of work, cost, or period of performance will be coordinated through the NMSS Project Officer.

8.0 Period of Performance

The period of performance shall be from May 10, 1985 through December 31, 1985. If required, a separate task order will be initiated to utilize selected reviewers from this task in public hearings associated with this licensing action.

9.0 Cost Ceiling

The cost ceiling associated with this Task Order is \$115,252.00 of which \$105,736.00 represents the total estimated cost and of which \$9,516.00 represents the fixed fee.