

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1 AMENDMENT IDENTIFICATION NO One (1)	2 EFFECTIVE DATE 3/16/83	3 REQUISITION/PURCHASE REQUEST NO RFP No. NMSS-83-035 dtd 2/2/83	4 PROJECT NO (If applicable)
5 ISSUED BY U.S. Nuclear Regulatory Commission Division of Contracts Washington, DC 20555		6 ADMINISTERED BY (If other than block 5)	

7 CONTRACTOR NAME AND ADDRESS Science Applications, Inc. P.O. Box 1303 1710 Goodridge Drive McLean, VA 22102	8 AMENDMENT OF SOLICITATION NO <input type="checkbox"/>	8 MODIFICATION OF CONTRACT/ORDER NO <input checked="" type="checkbox"/> NRC-02-83-035
(Street, city, county, state, and ZIP Code)	DATED (See block 9)	DATED 1/21/83 (See block 11)

9 THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in block 12. The hour and date specified for receipt of Offers is extended, is not extended. Offerors 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 signing and returning _____ copies of this 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 ACKNOWLEDGEMENT TO BE RECEIVED AT THE ISSUING OFFICE 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 such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

10 ACCOUNTING AND APPROPRIATION DATA (If required)

B&R No. 50-19-01-01 FIN B-7339-3 Increase \$30,000.00

11 THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS

(a) This Change Order is issued pursuant to _____
The Changes set forth in block 12 are made to the above numbered contract/order.

(b) The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in block 12

(c) This Supplemental Agreement is entered into pursuant to authority of the mutual agreement of the parties.
It modifies the above numbered contract as set forth in block 12.

12 DESCRIPTION OF AMENDMENT/MODIFICATION

The purpose of this modification is to issue a fully definitized Task Order 004 entitled "Licensing Technical Assistance in the Review of Surry Power Station Dry Cask Independent Spent Fuel Storage Installation" and increase the amount obligated under the contract by \$30,000.00. Now, therefore, the following changes are hereby made:

- I. Under Article V Consideration and Payment, Section A Estimated Cost Fixed Fee and Obligation, paragraph 1, delete the figure \$150,000.00 and insert "\$180,000.00" in lieu thereof.
- II. In accordance with Article II entitled, "TASK ORDERS" authority is hereby provided for the Contractor to perform Task Order No. 004 as described in the attached Statement of Work. As incorporated herein by this reference, the required effort shall be performed in accordance with the Contractor's technical proposal dated March 9, 1983. Additionally, the following is hereby incorporated into the Statement of Work:
 - 1) Paragraph 7.0 Completion Date is deleted in its entirety and the following is substituted in lieu thereof:

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NRC-02-83-035 PDR

Except as provided herein, all terms and conditions of the document referenced in block 8, as heretofore changed, remain unchanged and in full force and effect.

13 <input type="checkbox"/> CONTRACTOR/OFFEROR IS NOT REQUIRED TO SIGN THIS DOCUMENT	<input checked="" type="checkbox"/> CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN 3 COPIES TO ISSUING OFFICE
14 NAME OF CONTRACTOR/OFFEROR BY Mary J. Gerick for (Signature of person authorized to sign)	17 UNITED STATES OF AMERICA BY Raymond P. Gustave (Signature of Contracting Officer)
15 NAME AND TITLE OF SIGNER (Type or print) Diane E. Findley Senior Contract Representative	16 DATE SIGNED 5/11/83
18 NAME OF CONTRACTING OFFICE (Type or print) Raymond P. Gustave	19 DATE SIGNED 5/27/83

"7.0 Period of Performance

The period of performance shall commence on March 16, 1983, and end on August 17, 1983.

- 2) The following section 9.0 is added:

"9.0 Cost Ceiling

The cost ceiling associated with this Task Order is \$142,850.00 of which \$131,055.00 represents the total estimated reimbursable costs and \$11,795.00 represents the fixed fee.

As a result of this modification, the total amount obligated under this contract is increased by \$30,000.00 from \$150,000.00 to \$180,000.00.

TASK DESCRIPTION
FOR
LICENSING TECHNICAL ASSISTANCE
IN THE REVIEW OF
SURRY POWER STATION
DRY CASK INDEPENDENT SPENT FUEL STORAGE INSTALLATION
DOCKET NO. 72-2
FIN B7339

1.0 Background

Virginia Electric and Power Company (VEPCO) 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 Surry Power Station site in Surry County, Virginia. It will utilize a dry storage cask system.

The Safety Analysis Report (SAR) and Environmental Report (ER) included in VEPCO's application has 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 VEPCO. 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. Portions of the written material furnished by the Contractor should be suitable for inclusion in the NRC's Safety Evaluation Report and Environmental Impact Appraisal or Statement.

2.1 Staffing

The principal investigators shall possess 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.

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.

The enclosed is a topical work breakdown structure for the safety-related review of a dry cask 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 site parameters developed and evaluated for the Surry Power Station site under Dockets 50-280 and 281 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 compatibility of the reactor facility equipment and operations with ISFSI requirements.

Also enclosed is a preliminary draft of a review procedure for the safety evaluation of a dry cask ISFSI. The plan was based on NRR's Standard Review Plans. It may be able to provide guidance for the depth of review and required documentation of review methods used in the safety evaluations of specific areas.

2.3 Schedule

The overall objective of the schedule is to have the NRC documentation for its safety review in place by September 1983. However, the schedule is dependent on the applicant's response to NRC requests for information and any outstanding concerns. The following overall schedule is based on time interval estimations to accomplish steps in the review process through the NRC documentation stage.

Task Start-up and Coordination Meetings	2 weeks
Complete Requests for Additional Information	3 weeks
Delay for Applicant's Response	5 weeks
Complete Evaluation, Identifying	
Outstanding Concerns	4 weeks
Delay for Applicant's Response	3 weeks
Complete Final Evaluation	3 weeks
Documentation of Evaluation	2 weeks
	<u>22 weeks total</u>

Discrete areas within task activity 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 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 methodology, 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. These reports should comply with the end times for the scheduled steps in the review process, but if possible they should not wait on the end times. These reports should be provided to the NMSS Project Manager.

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. 72-2, pertinent topical reports, NRC's EIS and SER for the Surry Power Station, and appropriate portions of 50-280 and 281 docket material.

6.0 Level of Effort

The estimated level of effort required to accomplish this task is 1.5 person-years.

7.0 Completion Date

The desired completion date for this technical assistance task is August 1, 1983.

8.0 Technical Direction

Norman H. Davison 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.

Enclosures:

1. Work Breakdown Structure
2. Draft Review Procedure for
SAR