



PDR

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

NOV 10 1993

Science & Engineering Associates, Inc.
ATTN: Ms. Ilene Colina
Contract Administrator
SEA Plaza
6100 Uptown Boulevard, N.E.
Albuquerque, New Mexico 87110

Dear Ms. Colina:

SUBJECT: Task Order No. 13, Modification No. 1
Under Contract No. NRC-03-93-036

The purpose of the subject modification is to expand the scope of work by increasing the contractor's support by 16 hours and adding an extra trip to the Crystal River Nuclear Plant. This modified effort shall be performed in accordance with the enclosed Statement of Work, and the Contractor's proposal dated November 8, 1993.

As a result, the task order ceiling is increased by \$4,235 from \$31,688 to \$35,923. The amount of estimated reimbursable costs is increased by \$3,383 from \$29,798 to \$33,781, the amount of the fixed fee is increased by \$245 from \$1,833 to \$2,078, and the amount of the facility's capital cost of money is increased by \$7 from \$57 to \$64.

The accounting data for the subject task order is as follows:

B&R No.:	420-19-15-08-0
Job Code No.:	J-2012-4
Appropriation No.:	31X0200.420
BOC No.:	251A
Obligated Amount:	\$4,235
NRR Unique Identifier:	2093007A

A summary of obligations for the subject task order, from award date through the date of this action, is given below:

Total FY93 Obligation Amount:	\$31,688
Total FY94 Obligation Amount:	\$ 4,235
Cumulative Total of NRC Obligations:	\$35,923

This modification obligates FY94 funds in the amount of \$4,235.

Handwritten initials/signature

The issuance of this modification does not amend any terms or conditions of the subject contract.

Please indicate your acceptance of this modification to the subject task order by having an official, authorized to bind your organization, execute three (3) copies of this document in the space provided and return two (2) copies to the U.S. Nuclear Regulatory Commission, ATTN: Ms. Amy Siller, Division of Contracts and Property Management, P-902, ADM/DCPM/CAB1, Washington, D.C. 20555. You should retain the third copy for your records.

Sincerely,

Mary L. Scott

Mary Lynn Scott, Contracting Officer
Contract Administration Branch No. 1
Division of Contracts and
Property Management
Office of Administration

Enclosure:
As stated

ACCEPTED:

Gene R. Colina
Name

Contract Administrator
Title

11/10/93
Date

Statement of Work For
Task Order No. 13 Under FIN J 2012-3
Contract No. NRR-93-036

Title: Emergency Operating Procedure -
Crystal River 3

NRC Project Manager: Karen Pulsipher, NRR (301-504-1216)
Technical Monitor: Jesse Arildsen, NRR (301-504-1026)
Team Leader: George Hopper, RII (404-331-4179)

Inspection Report: 50-302/93-016
NRR Priority Number: 2

BACKGROUND

SEA assists NRR in the conduct of regionally led inspections related to human performance. Assistance is provided in the areas of training and qualification effectiveness, emergency operating procedures, and investigation of events identified as having a potential human performance root cause. The NRC staff has selected the Crystal River Nuclear Plant as a site to conduct an emergency operating procedure follow-up inspection. The inspection will be performed in accordance with Inspection Procedure 42001.

OBJECTIVE

The objective of this task order is to obtain expert technical expertise to assist the NRC inspection team in the performance of the subject emergency operating procedure follow-up inspection at Crystal River Nuclear Plant, Unit 3 and to provide input to the inspection report based on the inspection findings in a format specified by the NRC inspection team leader.

TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

One human factors specialist and one plant systems expert with expertise in the review and assessment of EOPs are required for this inspection. Eligibility for unescorted access at the Crystal River Nuclear Plant is required for this inspection. It is the responsibility of the contractor to assign technical staff, employees, subcontractors, or consultants who have the required educational background, experience, or combination thereof to meet both the technical and regulatory objectives of the work specified in this SOW. The NRC will rely on representations made by the contractor concerning the qualifications of the personnel assigned to this task order including assurance that all information contained in the technical and cost proposals, including resumes, is accurate and truthful.

WORK REQUIREMENTS AND SCHEDULE

The contractor shall provide qualified specialists to assist the NRC staff in preparing for and conducting the Crystal River Nuclear Plant Unit 3 emergency operating procedure follow-up inspection and documenting inspection activities and findings. This inspection is scheduled to begin on or about November 15, 1993. Specific tasks under this task order are:

<u>Task</u>	<u>Scheduled Completion</u>
1. Prepare for the inspection by reviewing inspection-related background documentation and records as directed by the Technical Monitor or Team Leader and prepare <u>a preliminary</u> input for the inspection plan.	One working day prior to the on-site (delete -inspection) efforts.
2. Assist the NRC inspection team during the on-site <u>planning and</u> EOP inspection time by providing human factors engineering expertise as related to the review of the development, implementation, and maintenance of the EOPs. The activities performed during the inspection shall be in accordance with Inspection Procedure 42001, "Emergency Operating Procedures" and the inspection plan.	Completion coincident with the end of the inspection.
3. Provide the Team Leader with a written report detailing the inspection findings. The Team Leader shall use the contractor's input to prepare the NRC inspection report. Complete appropriate portions of a Human Factors Information System (HFIS) Plant Status Data Collection Form.	Input to the Team Leader coincident with the end of the on-site inspection effort.
4. Provide the Human Factors Assessment Branch of I&AR with a copy of the written report of the inspection findings which was provided to the Team Leader and the HFIS Plant Status Data Collection Form completed in task 3.	One week after the completion of the on-site inspection effort.

LEVEL OF EFFORT

The level of effort is estimated at 36 professional staff days, apportioned among the tasks for planning purposes:

<u>Tasks</u>	<u>Level of Effort (days)</u>
1 Technical effort	<u>4.0</u>
Project management	1.0
2 Technical effort	<u>28.0</u>
3 Technical effort	2.0
4 Project management	0.5
Clerical	0.5

PERIOD OF PERFORMANCE

The period of performance is projected to be 45 days from initiation of work.

DELIVERABLES

1. At the completion of task 1, the contractor shall provide the Team Leader with a summary of the findings from the review of inspection-related background documentation and records and with a preliminary inspection plan input.
2. At the completion of Task 2 and prior to the inspection team's exit meeting with the licensee, the contractor shall submit a summary of written notes, major observations, and findings pertinent to the inspection as specified by the Team Leader.
3. At the completion of Task 3, the contractor shall provide a final inspection report input to the Team Leader. The format and scope of this input shall be specified by the Team Leader. This input will serve as documentation of the contractor's inspection activities, efforts, and findings, and will be used by the NRC Team Leader for the preparation of the NRC's inspection report.
4. At the completion of Task 4, the contractor shall provide the Human Factors Assessment Branch of NRR with a copy of the final inspection report input which was provided to the Team Leader and the HFIS Plant Status Data Collection Form completed in task 3.

MEETINGS AND TRAVEL

Two, two-person, seven day trip to the Crystal River Nuclear Plant in the Crystal River, FL area.

The contractor specialists will attend all coordination, planning, entrance, and exit meetings as specified by the Team Leader. The contractor specialists will coordinate all travel arrangements with the Team Leader.

NRC FURNISHED MATERIALS

Documents required to prepare for the emergency operating procedure follow-up inspection at the Crystal River Nuclear Plant Unit 3 will be provided by the Team Leader.

APPLICABLE SPECIAL PROVISIONS

The work specified in this task order is licensee fee recoverable. The contractor shall provide fee recovery information in the monthly progress reports in accordance with the requirements of the basic contract.