



DCD
05624

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

AUG 17 1995

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. 53, ENTITLED "EMERGENCY OPERATING
PROCEDURES INSPECTION - WATTS BAR NUCLEAR PLANT
FOLLOW-UP" UNDER CONTRACT NO. NRC-03-93-036

In accordance with Section G.5(c) of the subject contract, entitled "Task Order Award," this letter definitizes the subject task order. This effort shall be performed in accordance with the enclosed Statement of Work.

Task Order No. 53 shall be in effect from August 16, 1995 through October 14, 1996 with a cost ceiling of \$14,883. The amount of _____ represents the total estimated reimbursable costs, the amount of _____ represents the fixed fee, and the amount of _____ represents the facility's capital cost of money.

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

B&R No.:	520-15-11-20-0
Job Code No.:	J-2012-5
Appropriation No.:	31X0200.520
BOC No.:	252A
NRR Unique Identifier:	NR9303653
Obligated Amount:	\$14,883

The following individual is considered to be essential to the successful performance of the work hereunder: Joseph DeBor.

The Contractor agrees that such personnel shall not be removed from the effort under the task order without compliance with Contract Clause H.1, Key Personnel.

9509150026 950817
PDR CONTR
NRC-03-93-036 PDR

DF02/1

Your contacts during the course of this task order are:

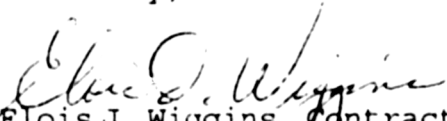
Technical Matters: Ms. Karen Pulsipher
Project Officer
(301) 415-1216

Contractual Matters: Ms. Anita Hughes
Contract Specialist
(301) 415-6526

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

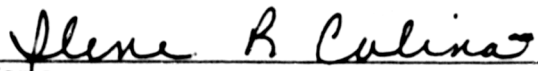
Please indicate your acceptance of this task order by having an official, authorized to bind your organization, execute three (3) copies of this document in the space provided and return two (2) copies to the U.S. Nuclear Regulatory Commission, ATTN: Ms. Anita Hughes, Division of Contracts, T-7I2, ADM/DC/TAB2, Washington, D C. 20555. You should retain the third copy for your records.

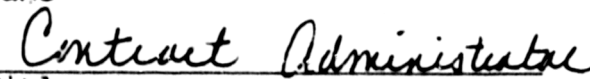
Sincerely,

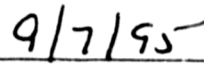

Elois J. Wiggins, Contracting Officer
Technical Acquisition Branch No. 2
Division of Contracts
Office of Administration

Enclosure:
As stated

ACCEPTED:


Name


Title


Date

**Statement of Work For
Task Order No. 53 Under FIN J 2012-5
Contract No. NRR-93-036**

Title: Emergency Operating Procedures
Inspection - Watts Bar

NRC Project Manager: Karen Pulsipher, NRR (301-415-1216)
Technical Monitor: Jesse Arildsen, NRR (301-415-1026)
Team Leader: Larry Mellen, RMI (404-331-5588)

Inspection Report: 50-390/95-58
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 Watts Bar Nuclear Plant as a site to conduct an emergency operating procedure 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 inspection at Watts Bar Nuclear Plant and to provide input to the Watts Bar emergency operating procedures 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 with expertise in the review and assessment of Watts Bar Nuclear Plant EOPs is required. This person will be a senior human factors specialist capable of independent work. Eligibility for unescorted access at Watts Bar 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 a qualified specialist to assist the NRC staff in preparing for and conducting the Watts Bar Nuclear Plant emergency operating procedure inspection and documenting inspection activities including inspection findings. This inspection is scheduled to begin on or about August 14, 1995. 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 input for the inspection plan.	One working day prior to the on-site inspection efforts.
2. Assist the NRC inspection team during the on-site EOP inspection time by providing human factors engineering expertise as related to 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 Watts Bar Nuclear Plant EOP inspection findings. The Team Leader shall use the contractor's input to prepare the NRC inspection report.	Input to the Team Leader coincident with the end of the on-site inspection effort.
4. Provide the Human Factors Assessment Branch of NRR with a copy of the written report of the inspection findings which was provided to the Team Leader.	One week after the completion of the on-site inspection effort.

LEVEL OF EFFORT

The level of effort is estimated at 13.0 professional staff days, apportioned among the tasks for planning purposes:

<u>Tasks</u>	<u>Level of Effort (days)</u>
1 Technical effort	1.0
Project management	0.5
2 Technical effort	9.0
3 Technical effort	1.0
4 Technical effort	0.5
Project management	0.5
Clerical	0.5

PERIOD OF PERFORMANCE

The period of performance shall commence on August 16, 1995 and expire on October 14, 1995.

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 an 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 the inspection report 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.

MEETINGS AND TRAVEL

Two, one-person, five and four day trips to the Watts Bar Nuclear Plant in the Spring City, TN area. The contractor specialist will attend all coordination, planning, entrance, and exit

meetings as specified by the Team Leader. The contractor specialist will coordinate all travel arrangements with the Team Leader.

NRC FURNISHED MATERIALS

Documents required to prepare for the emergency operating procedure inspection at Watts Bar Nuclear Plant will be provided by the Technical Monitor and 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.