CNWRA

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

JUL 10 2000

Beckman and Associates, Inc.
ATTN: Vicki Beckman
1071 State Route 136
Belle Vernon, PA 15012

SUBJECT: MODIFICATION NO. 1 TO TASK ORDER NO. 059 UNDER CONTRACT NUMBER NRC-03-98-021

Dear Ms. Beckman:

The purpose of this unilateral modification is to change the NRC Technical Monitor, the schedule, and the period of performance. There is no change in cost as a result of these changes. Therefore, the Contractor's proposal dated June 26, 2000, is hereby incorporated by reference. Accordingly, the following changes are made:

1. The NRC Technical Monitor is changed from Larry Doerflein, Region I to Roy Fuhrmeister, Region I.

2. The schedule is changed in accordance with the enclosed Statement of Work (Changes are indicated with a line).

3. The period of performance is changed from May 22, 2000, through July 10, 2000, to September 22, 2000, through November 3, 2000.

All other terms and conditions, including the task order cost ceiling of $34,653.23, remain the same.

Should you have any questions, please contact Mona Selden on (301) 415-7907.

Sincerely,

Barbara Neelan
for Sharon D. Stewart, Contracting Officer
Contract Management Branch 2
Division of Contracts and Property Management
Office of Administration

Enclosure: As stated

CONTRACT NRC-03-98-021

STATEMENT OF WORK
Task Order 059, Modification No. 1

TITLE: Millstone 2 Safety System Design and Performance Capability Inspection (SSDPCI)

DOCKET NUMBER: 50-336 B&R NUMBER: 020-15-103-105 JOB CODE: J-2548
INSPECTION REPORT NUMBER:

NRC PROJECT OFFICER: E. A. Kleeh, NRR (301) 415-2964
TECHNICAL MONITOR: Roy Fuhrmeister, Region I (610) 337-5059

PERFORMANCE PERIOD: September 22, 2000 - November 3, 2000

BACKGROUND

A Safety System Design and Performance Capability Inspection (SSDPCI) will be conducted for the Millstone 2 nuclear plant near New London, Connecticut. The SSDPCI will assess the operational performance capability of selected safety system(s) to verify that the system is capable of performing its intended safety function. The inspection will assess the licensee's engineering effectiveness through an in-depth review of calculations, analysis, and other engineering documents used to support system performance during normal and accident or abnormal conditions. The inspection will also verify completed actions for regulatory commitments that the licensee made in conjunction with the safety systems. Draft NRC Pilot Inspection Procedure 71111-21 "Safety System Design and Performance Capability will provide the primary basis for the review conducted during this inspection.

OBJECTIVE

The objective of this task order is to obtain expert technical assistance in the area of mechancial design. The specialist is needed to assist the NRC inspection team in the performance of the SSDPCI. The mechanical specialist should primarily have a design background, such as from an architect-engineer or consulting firm with experience in design, analysis, installation, and testing of closed and open-loop fluid systems for nuclear power plants. The specialist should be thoroughly familiar with NRC regulations, inspection methodology, and current NRC risk-informed inspection program. It is preferred that specialist have prior experience on NRC inspections that specifically reviewed design basis and detailed design of nuclear plant safety systems.

It shall be the responsibility of the contractor to assign technical staff, employees, and subcontractors, who have the required educational background, experience, or combination thereof, to meet both the technical and regulatory objectives of the work specified in this Statement Of Work (SOW). The NRC will rely on representation made by the contractor concerning the qualifications of the personnel proposed for assignment to this task order including assurance that all information contained in the technical and cost proposals, including resumes and conflict of interest disclosures, is accurate and truthful.

WORK REQUIREMENTS AND SCHEDULE

The contractor shall provide the qualified specialist, and the necessary facilities, materials, and services to assist the NRC staff in preparing for, conducting, and documenting the inspection activities and findings. The contractor shall provide the latest rad-worker training; drug/alcohol test; and MMPI test dates of the specialist that will assist in the SSDPCI at Millstone 2 to the NRC Project Officer. The Technical Monitor/Team Leader for this task is Roy Fuhrmeister. The Technical Monitor may issue technical instructions from time to time during the duration of this task order. Technical instructions must be within the general statement of work stated in this task order and shall not constitute new assignments of work or changes of such nature as to justify an adjustment in cost or period of performance. The contractor shall refer to the basic contract for further information and guidance on any technical directions issued under this task order.

Any modifications to the scope of work, cost or period of performance of this task order must be issued by the Contracting Officer and will be coordinated with the NRR Project Officer. Specific tasks under this task order are:

Task	Schedule Completion
1. Prepare for the inspection. a. Obtain a thorough understanding of the selected system(s) by review of licensee provided documentation. Annotate the provided preparation checklist as necessary. b. Develop a list of questions or areas of concern, including the reason for the question. This list to be shared with NRC team members for training purposes. c. Inspection preparation will include both individual work and team meetings, including discussion of review techniques with team members.	1. Inspection preparation will take place at the Region I office in King Prussia, Pa. on or about September 25 - 29, 2000.
2. Perform the inspection. a. Review the documentation requested from licensee and make queries in line with the intent of the inspection.	On-site inspection is to take place on or about October 02 - 06, 2000; and on or about October 16 - 20, 2000. Review of documentation, licensee inquiries, and other inspection-related activities will be conducted in contractor's home offices on or about the week of October 09 - 13, 2000.

b. Evaluate thoroughly the design and licensing basis, lineups during normal and emergency operation, functional requirements for system, the agreement between surveillance test procedures and design/licensing basis, and other areas that may contain potential discrepancies so as to complete a thorough assessment of the assigned review area. Discuss evaluation methods and results with NRC team members.

c. Any potential observations or findings shall be discussed with the Team Leader or an inspector trained in the NRC pilot risk-based inspection program.

3. Prepare the inspection report.

a. Follow the guidelines of NRC INSPECTION MANUAL , Manual Chapter 0610, "Inspection Reports."unless otherwise directed by Technical Monitor.

b. Feeder report should discuss inspection activities, be concise, and focus on safety significant findings based on facts and regulatory requirements.

3. Documentation of inspection will take place on or about October 23 - 27, 2000 in contractor's home office. Final inspection report input is due on or about October 30, 2000.

NOTE: Prior to the start of the on-site preparation, the contractor's staff is required to coordinate inspection aspects, such as travel logistics, with the Team Leader.

REPORT REQUIREMENTS

Technical Report

At the completion of Task 1, the contractor's specialist shall provide an inspection plan to the NRC Team Leader. The format and scope of this input shall be as directed by the NRC Team Leader.

During Task 2, the contractor's specialist shall provide daily reports to the NRC Team Leader. The format and scope of this report shall be as directed by the NRC Team Leader.

At the completion of Task 2 (prior to the inspection team's exit meeting with the licensee), the contractor's specialist shall provide a draft inspection report input to the NRC Team Leader. The format and scope shall be as directed by the NRC Team Leader. Typically, this input will consist of a handwritten summary of the specialist's inspection findings.

At the completion of Task 3, the contractor shall deliver a copy of final inspection report input (feeder report) to the NRC

Project Officer with one hard copy and one electronic version (WordPerfect or other IBM PC compatible software acceptable to the NRC Team Leader) to the NRC Team Leader. The format and scope of the final report inputs shall be in accordance with the guidance in NRC Inspection Manual Chapter 0610 or as directed by the NRC Team Leader.

A specialist's feeder report will serve as documentation of the specialist's inspection activities, effort, and findings, and will be used by the NRC Team Leader for the preparation of the NRC's inspection report. The form and scope of the final report input shall be in accordance with the guidance in NRC Inspection Manual Chapter 0610 or as directed by the NRC Team Leader. As a minimum, each specialist's report input shall include the following:

- Identity of the individuals (name, company, and title) that provided information to the specialist during the inspection.
- For each area inspected, a description of the activities and general findings and conclusions reached regarding the adequacy of the area.
- For each area with a concern or findings, a discussion of the concerns or findings with technical bases.

NOTE: The contractor is not required to undertake any further efforts toward report finalization. For example, management review of the feeder report beyond its submittal to the NRC Team Leader and Project Manager is not needed.

Business Letter Report

The contractor shall provide monthly progress reports in accordance with the requirements of the basic contract.

MEETINGS AND TRAVEL

For estimating purposes only, the following meetings and travel are anticipated:

One, one-person, 5-day trip to the Region I office to prepare for the inspection (September 25 - 29, 2000). Off-normal travel permitted up to half-day for each contractor to ensure early arrival at business office on Monday morning.

Two, one-person, 5-day trips to the Millstone 2 site to conduct the initial inspection. (October 02 - 06, 2000; and October 16 - 20, 2000.) Off-normal travel permitted up to half-day for each contractor to ensure early arrival at plant site office on Monday morning.

The contractor's staff shall coordinate all travel arrangements in advance with the NRC Team Leader.

NRC FURNISHED MATERIAL

Documents required to prepare for the inspection will be provided by the NRC Team Leader.

OTHER APPLICABLE INFORMATION

The work specified in this SOW is 100% licensee fee recoverable. The contractor shall provide fee recovery information in the monthly progress reports in accordance with the requirements of the basic contract.

The contractor's specialist assigned to this task order will have to be badged for unescorted access privilege at the plant site. Questions concerning badging and plant site access shall be addressed to the NRC Technical Monitor.