



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

DEC 23 1998

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

SUBJECT: TASK ORDER NO. 036, "FERMI ENGINEERING AND TECHNICAL SUPPORT
(E&TS) INSPECTION " UNDER CONTRACT NO. NRC-03-98-021

Dear Ms. Beckman:

In accordance with Section G.5, Task Order Procedures, of the subject contract, this letter definitizes the subject task order. The effort shall be performed in accordance with the enclosed Statement of Work.

Task Order No. 036 shall be in effect from December 28, 1998 through February 12, 1999, with a total cost ceiling of \$31,606.45. The amount of \$30,611.57 represents the estimated reimbursable costs and the amount of \$994.88 represents the fixed fee.

Accounting data for Task Order No. 036 is as follows:

B&R No.:	920-15-103-105
Job Code:	J-2548
BOC:	252A
APPN No.:	31X0200.920
FFS#:	NRR98021036
Oblig. Amt.:	\$31,606.45

The following individual is considered to be essential to the successful performance of work hereunder: Mr. Craig Baron. The Contractor agrees that such personnel shall not be removed from the effort under the task order without compliance with Contract Clause H.4, Key Personnel.

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

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PDR CONTR
NRC-03-98-021 PDR

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Your contacts during the course of this task order are:

Technical Matters: Armando Masciantonio
Project Officer
(301) 415-1290

Contractual Matters: Mona Selden
Contract Specialist
(301) 415-7907

Acceptance of Task Order No. 036 should be made by having an official, authorized to bind your organization, execute three copies of this document in the space provided and return two copies to the Contract Specialist. You should retain the third copy for your records.

Sincerely,

for Joyce A. Fields
Joyce A. Wiggins, Contracting Officer
Contract Management Branch 2
Division of Contracts and Property Management
Office of Administration

Enclosure: Statement of Work

ACCEPTED: Task Order No. 036

Archie C. Chapman
NAME

Vice President
TITLE

12-28-98
DATE

CONTRACT NRC-03-98-021

STATEMENT OF WORK
Task Order 036

TITLE: Fermi E&TS Inspection

DOCKET NUMBER: 50-341 B&R NUMBER: 920-15-103-105 JOB CODE: J-2548
INSPECTION REPORT NUMBER:

NRC PROJECT OFFICER: A. S. Masciantonio, NRR (301) 415-1290
TECHNICAL MONITOR: Al Walker, RII (630) 829-9728

PERFORMANCE PERIOD: December 28, 1998 - February 12, 1999

BACKGROUND

An Engineering & Technical Support Inspection (E&TS) will be conducted for the Fermi nuclear plant near Detroit, MI. The inspection will assess the effectiveness of engineering activities through an in-depth review of calculations, analysis, and other engineering documents used to support the design adequacy and performance of plant safety systems during normal, abnormal, and accident conditions. The inspection will also verify actions completed in connection with plant modification safety evaluations for conformance with regulatory requirements in addition to verifying regulatory commitments that the licensee made with regard to the safety systems. The inspection will be performed in accordance with NRC Inspection Procedure 37550.

OBJECTIVE

The objective of this task order is to obtain expert technical assistance in the areas of mechanical systems design. The specialist is needed to assist the NRC inspection team in the performance of the inspection. The specialist should primarily have a design background, such as from an architect-engineer firm with experience in mechanical system design in addition to system operational requirements. The specialist should also be familiar with installation and surveillance testing of equipment along with cognizance of how site engineering and operations organizations function. The specialist should be thoroughly familiar with NRC regulations and inspection methodology. Also, the specialist should be familiar with the regulatory process, and should be able to develop a list of regulatory commitments from docketed licensee correspondence for the plant system(s) selected for review. The specialist will then be required to verify implementation of the licensee's commitments.

It shall be the responsibility of the contractor to assign technical staff, employees, and subcontractors, who have the required combination of educational background and experience 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 specialists, and the necessary facilities, materials, and services to assist the NRC staff in preparing for, conducting, and documenting the inspection activities and findings. The Technical Monitor for this task is Al Walker. 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

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| 1. Review design basis documentation including design criteria, system descriptions, drawings, calculations, and analyses for the selected plant system(s) and determine the functional requirements for the system and each active component during accident or abnormal conditions. Review licensing basis documents, i.e., Tech Specs, FSAR, and licensee's commitment tracking system and develop a list of regulatory commitments for the selected system(s). Prepare an inspection plan and obtain a thorough understanding of the selected system(s). | Inspection preparation will take place on or about January 4-8, 1999, at the Region III offices in Lisle, IL. |
| 2. Perform the inspection. | On-site inspection is to take place on or about January 11-15, 1999, and on or about January 25-29, 1999, at the Fermi site, with one week of intervening review, January 18-22, 1999, at the contractor's home office. |
| 3. Prepare the inspection report. | Documentation of inspection will take place on or about February 1-5, 1999, at the contractor's home office. Final inspection report input is due February 8, 1999. |

NOTE: Prior to the start of on-site preparation, the contractor's staff is required to be available 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 specialists 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 the final inspection report input (feeder report) to the NRC Project Officer (original and one copy) with one hard copy and one computer diskette version (WordPerfect 6.1 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, the following meetings and travel are anticipated:

One, one-person, 5-day trip to Region III in Lisle, IL to prepare for the inspection (January 4-8, 1999).

Two, one-person, 5-day trips to the Fermi site to conduct the inspection (January 11-15, 1999, and January 25-29, 1999).

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 specialists assigned to this task order will have to be badged for unescorted access privilege at the plant site. The contractor shall provide all documentation required for badging (as identified by the NRC Team Leader) at the plant site. Questions concerning badging and the plant site access shall be addressed to the NRC Technical Monitor.