

DC



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

JUL 24 1998

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

SUBJECT: TASK ORDER NO. 016, "THREE MILE ISLAND 1 (TMI 1) A/E FOLLOW-UP
INSPECTION" UNDER CONTRACT NO. NRC-03-98-021

Dear Ms. Beckman:

In accordance with Section G.4, 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. 016 shall be in effect from July 27, 1998 through September 11, 1998, with a cost ceiling of \$40,027.52. The amount of \$38,767.57 represents the estimated reimbursable costs, the amount of \$1,259.95 represents the fixed fee.

Accounting data for Task Order No. 016 is as follows:

B&R No.:	820-15-11-20-2B
Job Code:	J-2548
BOC:	252A
APPN No.:	31X0200.820
FFS#:	NRR98021016
Oblig. Amt.:	\$40,027.52

The following individual is considered to be essential to the successful performance for 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.

50005

V/
DF02

9808050110 980729
PDR CONTR
NRC-03-98-021 PDR

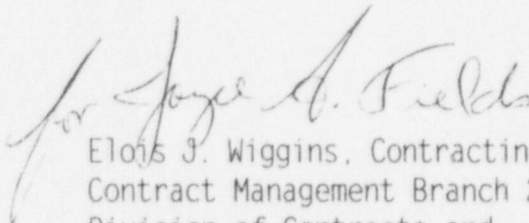
Your contacts during the course of this task order are:

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

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

Acceptance of Task Order No. 016 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.

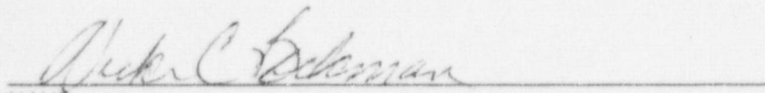
Sincerely,

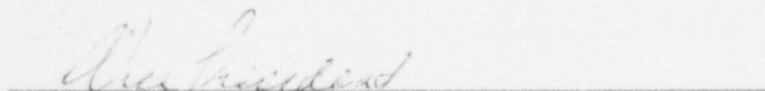



Elois J. Wiggins, Contracting Officer
Contract Management Branch 2
Division of Contracts and
Property Management
Office of Administration

Enclosure: Statement of Work

ACCEPTED: Task Order No. 016


NAME


TITLE


DATE

STATEMENT OF WORK
Task Order 016

TITLE: Three Mile Island 1 (TMI 1) A/E Follow-up Inspection

DOCKET NUMBER: 50-289 B&R NUMBER: 820-15-11-12-2B JOB CODE: J-22548
INSPECTION REPORT NUMBER:

NRC PROJECT OFFICER: A. S. Masciantonio, NRR (301) 415-1290
TECHNICAL MONITOR: Jimi Yerokum, Region I (610) 337-5108

PERFORMANCE PERIOD: July 27, 1998 - September 11, 1998

BACKGROUND

An inspection of design calculations and open issues will be conducted at the TMI 1 plant site near Harrisburgh, PA in follow up to the recently completed architect/engineer inspection. The inspection will assess the effectiveness of the licensee engineering organization in controlling the interrelated impacts of design information changes and modification to ensure that all affected documents (calculations, SER, USAR, design basis documents) are revised to be correct and consistent. The inspection will also review licensee responses to open items including issues identified during a recent architect/engineer inspection and may review other engineering issues previously identified. The inspection will be performed in accordance with NRC Inspection Procedure 92903.

OBJECTIVE

The objective of this task order is to obtain expert technical assistance in the area of mechanical engineering design to participate with the NRC inspection team in the performance of the inspection. The specialist should have a strong mechanical engineering design background, such as from an architect-engineer firm with experience in system design 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 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 work specified in this SOW falls within Section C.3 of the basic contract's SOW. 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 Leonard Prividy. 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 section G.1 of 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:

<u>Task</u>	<u>Schedule Completion</u>
1. Prepare for the inspection by reviewing the inspection report from the A/E inspection. Travel to the TMI1 site and participate in the inspection by: (a) verifying the quality of the licensee's design packages (e.g., reviewing calculations and design assumptions) and review controls for ensuring that impacts to other calculations or other design basis documents are properly handled; and, (b) assessing whether the licensee adequately implemented corrective actions for previously identified issues.	Inspection preparation will take place August 3-7, 1998, at the Region I offices in King of Prussia, PA.
Review the results of the first week of inspection and plan for the second week of inspection. Determine any documentation needs that the licensee should provide when arriving at the site. Continue the inspection as described above.	On-site inspection is to take place on August 10-14, 1998 and August 24-28, 1998, at the TMI 1 site, with one week of intervening review August 17-21, 1998, at the Region I offices.
2. Document the inspection results.	Documentation is to take place during the week of August 31-September 4, 1998, at the Region I offices. Final inspection report input is due September 4, 1998.

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

During Task 1, 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 1 (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 2, 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 5.1 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 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 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:

Three, one-person, 5-day trips to the Region I offices in King of Prussia, PA to prepare for the inspection, review initial inspection findings, and document the results of the inspection (August 3-7, 1998, August 17-21, 1998, and August 31-September 4, 1998)

Two, one-person, 5-day trips to the plant site near Harrisburgh, PA to conduct the inspection (August 10-14, 1998, and August 24-28, 1998).

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

ESTIMATED LEVEL OF EFFORT

<u>Number</u>	<u>Discipline</u>	<u>Hours</u>
---------------	-------------------	--------------

The estimated level of effort consists of 50 hours for inspection preparation (review of previous A/E inspection report and other documents as determined by the team leader), 150 hours for on-site inspection and review, and 50 hours for inspection documentation. The hours are based on an effort of 10 hours/day while on site and the regional office, and 8 hours/day in office. Off-normal travel time, if needed, is in addition to the above effort.

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.