



NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

DEC 22 2000

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

SUBJECT: "TASK ORDER NO. 084 "INDIAN POINT UNIT 2 (IP2) SUPPLEMENTAL INSPECTION FOR MULTIPLE DEGRADED CORNERSTONE (IP 95003)" 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. 084 shall be in effect from December 29 , 2000, through March 16, 2001, with a cost ceiling of \$101,583.13. The amount of \$98,385.60 represents the estimated reimbursable costs, and the amount of \$3,197.53 represents the fixed fee.

Accounting data for Task Order No. 084 is as follows:

B&R No.:	120-15-103-110
Job Code:	J-2548
BOC:	252A
APPN No.:	31X0200.120
FFS#:	NRR98021084
Oblig. Amt.:	\$101,583.13

The following individuals are considered to be essential to the success of the project:

|
|
|
|

ork
ch
ith

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

Template-Adm 002

ADM 02

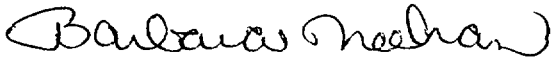
Your contacts during the course of this task order are:

Technical Matters: Donald P. Norkin
Project Officer
(301) 415-2954

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

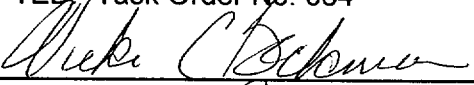
Acceptance of Task Order No. 084 should be made by having an official, authorized to bind your organization, execute three copies of this document in the space provided and return two copies to the Contract Specialist. You should retain the third copy for your records.


Sincerely,


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

Enclosure: Statement of Work

ACCEPTED: Task Order No. 084


NAME


TITLE

12-31-00
DATE

STATEMENT OF WORK
Task Order 84

TITLE: Indian Point Unit 2 (IP2) Supplemental Inspection for Multiple Degraded Cornerstone (IP 95003)

DOCKET NUMBER: 50-247 B&R NUMBER: JOB CODE: J-2548

INSPECTION REPORT NUMBER: 05000247/2000-002

NRC PROJECT OFFICER: D.P. Norkin, NRR (301) 415-2954

TECHNICAL MONITOR: J. L. Shackelford, RIV (817) 860-8236

PERFORMANCE PERIOD: 12/29/00 - 3/16/01

BACKGROUND

A Multiple Degraded Cornerstone Inspection (IP 95003) will be conducted for the Indian Point Unit 2 (IP2) nuclear plant in Buchanan, New York. This inspection will develop inspection findings under the 95003 inspection procedure to support NRC senior management making the following determinations: 1) assess whether the continued operation of the facility is acceptable and whether additional regulatory actions are necessary to arrest declining plant performance; 2) provide an independent assessment of the extent of risk significant issues to aid in the determination of whether an unacceptable margin of safety exists; 3) independently assess the adequacy of the programs and processes used by the licensee to identify, evaluate, and correct performance issues; 4) independently evaluate the adequacy of programs and processes in the reactor safety strategic performance areas; and 5) provide insight into the overall root and contributing causes of identified performance deficiencies. The inspection will review licensee performance in the areas of problem identification and resolution (PI&R), system design, configuration control, equipment performance, human performance, procedure quality, and emergency preparedness as necessary to determine the breadth and depth of safety, organizational, and programmatic issues.

This inspection requires the support of two (2) subject matter experts in the areas of mechanical and electrical system design. The system design portion of this 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. NRC Inspection Procedure 95003, "Supplemental Inspection for Multiple Degraded Cornerstones", 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 from two technical experts: one in the area of mechanical design, and the other in the area of electrical design. The specialists are needed to assist the NRC inspection team in the performance of the IP 95003 inspection. These design experts should have an engineering background, such as from an architect-engineer or consulting firm, with experience in design, analysis, installation, and testing of both mechanical and electrical systems for nuclear power plants. It is preferred that the both specialists have prior experience on NRC inspections that specifically reviewed design basis and detailed design of nuclear plant safety systems. They also should be thoroughly familiar with NRC regulations, inspection methodology, and the current NRC risk-informed inspection program in order to be eligible for participation in this inspection. It is preferred that the specialists have prior experience on similar NRC inspections.

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 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 contractor shall provide the latest rad-worker training; and Minnesota Multiphase Personality Inventory (MMPI) test dates of the specialist to the NRC project officer with the proposal. 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:

1. Prepare for the inspection at the Region I office in King of Prussia, PA on or about January 2 - 5, 2001 and on or about January 8 - 12, 2001.
 - a. Obtain a thorough understanding of the selected system(s) by review of licensee documentation.
 - b. Develop a list of questions for areas of concern, including the reasons for the questions. This list should be shared with NRC team members to solicit feedback on their scope and quality and to allow for the coordination of inspection activities.
 - c. Inspection preparation will include both individual work and team meetings, including discussion of review techniques with team members.

2. On-site inspection is to take place on or about January 16-20, and on or about January 22 - 26, and on or about February 5 - 9. Review of inspection-related documentation, development of additional licensee inquiries, and other inspection-related activities will be conducted in the Region I office in King of Prussia, PA on or about January 29 - February 2, 2001.
 - a. As necessary, throughout the inspection: conduct system or equipment walkdowns; review system/equipment reports, condition reports and or other related documentation; interview and question responsible licensee personnel to develop inspection findings and conclusions.
 - b. Review interim inspection results and develop additional questions to clarify inspection findings and conclusions.
 - c. 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.
 - d. Any potential observations or findings shall be discussed with the Technical Monitor or an inspector trained in the NRC risk-informed inspection program.

3. Document the inspection on or about February 12 - 16, 2001, in contractor's home office. Final inspection report input is due on or about February 28, 2001.

- a. Follow the guidelines of NRC Inspection Manual Chapter 0610*, "Inspection Reports" as 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.

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 Technical Monitor.

REPORT REQUIREMENTS

Technical Report

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

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

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 Technical Monitor. The format and scope shall be as directed by the NRC Technical Monitor. Typically, this input will consist of the scope of the inspection and a summary of the specialists' 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 8 with proper font (Arial 11) or other IBM PC compatible software acceptable to the NRC Technical Monitor) to the NRC Technical Monitor. The format and scope of the final report inputs shall be in accordance with the guidance in NRC Inspection Manual Chapter 0610* as directed by the NRC Technical Monitor.

The feeder report documents the specialists' inspection activities and findings, and will be used by the Technical Monitor for the preparation of the inspection report. The contractor is not required to undertake any further efforts toward report finalization, such as management review of the feeder report.

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 for each specialist:

Two 5-day trips (prep and in-office review) and one 4-day trip (prep) to the Region I office.

Three 5-day trips (inspection) to the Indian Point Unit 2 site.

Off-normal travel is permitted for up to half-day to ensure early arrival if required by Technical Monitor. 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 Tech Monitor.

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. Questions concerning badging and plant site access shall be addressed to the NRC Technical Monitor.