



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

JAN 16 1992

AECL Technologies
ATTN: Mr. D. R. Shiflett
9210 Corporate Boulevard
Suite 410
Rockville, Maryland 20850

Dear Mr. Shiflett:

Subject: Task Order No. 56, Under Contract No. NRC-03-90-031 Entitled
"Electrical Distribution System Functional Inspection -
Catawba" (Fin L-1527)

This letter confirms verbal authorization provided to your office by RoseMary Mann, of my staff, to commence work under the subject task order effective January 10, 1992, with an established ceiling of \$10,000.00.

In accordance with the task order procedures of the subject contract, this letter definitizes Task Order No. 56. This effort shall be performed in accordance with the enclosed Statement of Work, the Contractor's proposal dated December 26, 1991 and the following telephonic changes of January 10, 1992:

- 1.) Reduce fixed fee by \$223.66 from \$1,386.67 (7.75%) to \$1,163.01 (6.5%).

Task Order No. 56 shall be in effect from January 10, 1992 through March 31, 1992, with a cost ceiling of \$88,888.04. The amount of \$87,725.03 represents the total estimated reimbursable costs, and the amount of \$1,163.01 represents the fixed fee.

Accounting data for this Task Order is as follows:

B&R No.: 220-19-14-02-0
Fin No.: L-1527-2
OBLIGATED AMOUNT: \$88,888.04

The following individual(s) are considered to be essential to the successful performance of the work hereunder:

Bruce W. Deist
J. Panesar

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

Your contacts during the course of this task are:

Technical Matters: Brian E. Thomas
Project Officer
(301) 492-1210

Contractual Matters: RoseMary Mann
Contract Administrator
(301)492-4416

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 copies of this document in the space provided and return two copies to the Contract Administrator. You should retain the third copy for your records.

Sincerely,



Mary Lynn Scott, Contracting Officer
Contract Administration Branch No. 1
Division of Contracts and Property
Management

Enclosure
As stated

ACCEPTED:

D.R. Shiflet
NAME
D. R. Shiflet
Vice President/General Manager

TITLE

JAN 21 1992
DATE

STATEMENT OF WORK
Task Order - 056

TITLE: Electrical Distribution System Functional Inspection - Catawba

DOCKET NUMBER: 50-413, 414

B&R NUMBER: 120-19-14-02 FIN: L-1527

NRC PROJECT MANAGER: Brian Thomas, NRR (301-492-1210)

NRC TEAM LEADER: Region II - M. Shymlock

TECHNICAL MONITOR: Hai-Boh Wang (FTS 492-0958)

PERIOD OF PERFORMANCE: January 10, 1992 to March 31, 1992

BACKGROUND

An Electrical Distribution System Functional Inspection will be conducted at the Catawba. This inspection will assess, on a sample basis, the design, operation, maintenance and surveillance of the as configured electrical distribution system including modifications made since receipt of the operating license. The inspection is to be performed in accordance with Temporary Instruction 2515/107.

OBJECTIVE

The objective of this task order is to obtain expert technical assistance (two electrical design and one mechanical system design engineers) to assist the NRC inspection team in the performance of the Electrical Distribution Functional Inspection.

WORK REQUIREMENTS AND SCHEDULE

The work specified in this Statement of Work (SOW) falls within Section C.1.3 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 and conducting the EDSFI, and documenting the inspection activities and findings. Specific tasks under this Task Order are:

<u>Task</u>	<u>Scheduled Completion</u>
1. Prepare for the subject inspection by reviewing inspection related background documentation and records provided by the NRC Team Leader and prepare input to the inspection plan.	One day prior to the inspection.

final report inputs shall be as provided by the NRC Team Leader. Each specialist's feeder report will serve as documentation of the specialist's inspection activities, efforts, and findings, and will be used by the NRC Team Leader for the preparation of the NRC's inspection report. 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 concern or findings with technical bases.

BUSINESS LETTER REPORT

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

MEETINGS AND TRAVEL

One, three-person, five day trip to the plant site to prepare for the inspection.

Two, three-person, five day trips to the plant site to assist the NRC in conducting the inspection.

One, three-person, five day trip to the Region II Office to assist NRC with the documentation of inspection activities.

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>
1	Technical Manager	55
1	Project Manager	10
1	Mechanical Systems Engineer	304
2	Electrical Design Engineers	588
1	Support Staff	5

2. Perform the inspection.

The Team Leader will assign tasks as identified in Temporary Instruction 2515/107. Usually, the tasks will be outlined under Sections 04.01 and 05.02a of 2515/107, which pertain to the Engineering Office Inspection.

A pre-inspection visit to the site is scheduled on or about January 13-17, 1992. The inspection pre-preparation is scheduled to take place concurrently. The inspection is to take place on or about January 27 - 31, and February 10-14, 1992, with an intervening home-office review period on February 3-7, 1992.

3. Prepare inspection report input.

Documentation of inspection at NRC Region II Office on or about the week of February 17-21, 1992.

NOTE: The contractor's staff will require unescorted access to the site. Prior to the start of on-site preparation, the contractor's staff is required to be available to coordinate inspection aspects with the Team Leader. This includes discussions on inspection assignments, background briefing regarding inspection objectives, coordination of travel logistics, and preparation of site access documentation.

REPORT REQUIREMENTS

Technical Reports

At the completion of Task 1, provide inspection plan input to the NRC Team Leader. The format and scope of this input shall be as provided by the NRC Team Leader.

During Task 2, each of the contractor's specialists shall provide daily reports to the NRC Team Leader. The format and scope of these reports shall be as provided by the NRC Team Leader.

At the completion of Task 2 (prior to the inspection team's exit meeting with the licensee) each contractor specialist shall provide a draft inspection report input to the NRC Team Leader. The format and scope of this input shall be as provided 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 each specialist's final inspection report input (feeder report) to the NRC Project Manager (original and one copy) with one hard copy and one computer diskette version (IBM Displaywrite 3 or 4, or other IBM PC compatible software acceptable to the NRC Team Leader) to the NRC Team Leader. The format and scope of the

As appropriate, the contractor's specialists assigned to this Task Order will have to be badged for unescorted access privileges at the plant site. The contractor shall provide all advance information required for badging to the NRC Team Leader and the contractor's specialists shall provide all documentation required before badging (as identified by the Team Leader) at the plant site. Questions concerning badging and plant site access shall be addressed to the NRC Team Leader.

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 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.

NRC FURNISHED MATERIAL

Documents required to prepare for the subject 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.