



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

MAR 31 1992

Parameter, Inc.
ATTN: Richard A. Lofy
13380 Watertown Plank Road
Elm Grove, Wisconsin 53122

Dear Mr. Lofy:

Subject: Task Order No. 32 Under Contract No. NRC-03-89-027 Entitled
"Design Process Inspection - GE Advanced Boiling Water Reactor"
(FIN L-2439)

The purpose of this letter is to confirm verbal authorization provided to Lou Albers by Brenda DuBose, of my staff, to commence work under the subject task order effective March 20, 1992 with a temporary ceiling of \$32,000.00.

In accordance with Section G.6, Task Order Procedures, of the subject contract, this letter definitizes Task Order No. 32. This effort shall be performed in accordance with the enclosed Statement of Work and Parameter Inc.'s technical proposal dated March 4, 1992, incorporated herein by reference.

The period of performance for Task Order No. 32 is March 20, 1992 through May 1, 1992. The total cost ceiling is \$38,379.01. The amount of \$37,496.20 represents the total reimbursable costs, the amount of \$12.90 represents the facilities capital cost of money, and the amount of \$869.91 represents the fixed fee.

Accounting data for Task Order No. 32 is as follows:

B&R No.:	220-19-11-03-0
FIN No.:	L-2439-2
Appropriation No.:	31X0200.220
Obligated Amount:	\$38,379.01

The following individual is considered by the Government to be essential to the successful performance of the work hereunder:

C. Crane
T. DelGaizo
A. duBouchet
J. Leivo

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

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PDR CONTR
NRC-03-89-027 PDR

Richard A. Lofy

Contract No. NRC-03-89-027
Task Order No. 32
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The issuance of this task order does not amend any terms or conditions of the subject contract.

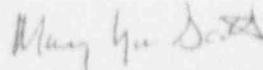
Your contacts during the course of this task order are:

Technical Matters: Brian E. Thomas, Project Officer
(301) 504-1210

Contractual Matters: Brenda J. DuBose, Contract Administrator
(301) 492-7442

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,

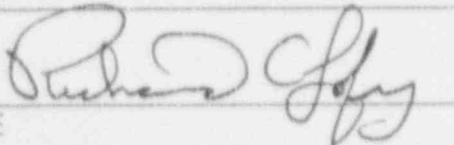


Mary Lynn Scott, Contracting Officer
Contract Administration Branch No. 1
Division of Contracts and
Property Management
Office of Administration

Enclosure:
As stated

ACCEPTED: Task Order No. 32

NAME



TITLE

PREC

DATE

4/2/92

CONTRACT NRC-03-89-027
Parameter

ENCLOSURE

STATEMENT OF WORK
Task Order 032

TITLE: Design Process Inspection - GE Advanced Boiling Water Reactor

DOCKET NUMBER: 50-605

B&R NUMBER: 220-19-11-03

FIN: L-2439

NRR PRIORITY NUMBER: 1

NRC PROJECT MANAGER: Brian E. Thomas, NRR (301) 504-1210
(FIS) 964-1210

NRC TEAM LEADER: Sam Malur, NRR/DRIS (FIS) 964-2963

TECHNICAL MONITOR: Donald Norkin (FIS) 964-2953

PERIOD OF PERFORMANCE: March 20, 1992 through May 01, 1992

I. BACKGROUND

On February 14 and 15, 1990, the NRC and its consultants met with General Electric (GE) at the San Jose offices to get a clearer understanding of certain design process aspects of the GE Advanced Boiling Water Reactor (ABWR) design. This inspection will review the various elements of GE's design process for ABWR in order to enable NRC planning for future performance based monitoring of this design process.

II. OBJECTIVE

The objective of this task order is to obtain expert technical assistance to assist the NRC inspection team in planning for future inspections which will provide performance based monitoring of the GE ABWR design process. Disciplines required include mechanical systems, mechanical components/piping, electrical, and I&C. The engineers shall be thoroughly familiar with the design requirements of nuclear plants, NRC inspection techniques, standard U.S. nuclear industry design practices and regulatory requirements, and have had both design and supervisory experience at an architect engineering firm. Additionally, the engineers should be familiar with SECY-90-377, "Requirements for Design Certification under 10 CFR Part 52," such as by participation in a February 1990 meeting at General Electric relative to the GE ABWR standard design.

III. 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

subject Design Process Inspection - ABWR and documenting the inspection activities and findings. Specific tasks under this Task Order are:

Tasks

Completion Schedule

- | | |
|---|--|
| 1. Prepare for the inspection. Each discipline will review material provided by the team leader and develop lists of design interfaces for the discipline. | Inspection preparation to take place on or about March 27, 1992. |
| 2. Perform the subject inspection. Each discipline will review the design information available to support the design certification for the advanced boiling water reactor (ABWR). Reviews will identify products and performance elements that will be evaluated by the NRC in future inspections. | The inspection is to take place at GE's San Jose, CA offices on or about March 30-April 3, 1992. |
| 3. Prepare inspection report input. | Documentation of inspection at the contractor's office on or about April 6 and 7, 1992. |

NOTE: Prior to the start of the inspection, the contractor is required to be available to coordinate inspection aspects with the Team Leader. This includes discussions on inspection assignments, background briefing regarding inspection objectives, and coordination of travel logistics.

IV. REPORTING REQUIREMENTS

Technical Reports

During Task 2, each of the contractor's specialist(s) 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 of the contractor's specialist(s) shall provide a draft inspection report input to the NRC Team Leader. Again, 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 (WordPerfect 5.0 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 as provided by the NRC Team Leader. Each 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. 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.

Business Letter Reports

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

V. MEETINGS AND TRAVEL

One, four-person, five day trip to General Electric's offices at San Jose, CA to assist the NRC in conducting the inspection.

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

VI. ESTIMATED LEVEL OF EFFORT

The total level of effort is as follows:

<u>Discipline</u>	<u>Hours</u>
Project Manager	15
Electrical Power Design Engineer (one)	64
I&C Design Engineer (one)	64
Mechanical Systems Design Engineer (one)	64
Mechanical Components/Piping Design Engineer (one)	64
Support	10

The estimated level of effort for each specialist consists of 8 hours of inspection preparation, 40 hours for inspection activities, and 16 hours for inspection documentation.

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 representations 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.

VII. NRC FURNISHED MATERIAL

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

VIII. APPLICABLE SPECIAL PROVISIONS

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