



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

DEC 29 1994

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

Dear Mr. Lofy:

Subject: Task Order No. 55, "Service Water Systems Operational Performance Inspection - Sequoyah" Under Contract No. NRC-03-93-026

In accordance with Section G.4, Task Order Procedures, of the subject contract, this letter definitizes Task Order No. 55. The effort shall be performed in accordance with the enclosed Statement of Work and Parameter Inc.'s technical proposal dated December 21, 1994 incorporated herein by reference.

Task Order 55 shall be in effect from January 1, 1995 through April 14, 1995 with a cost ceiling of \$64,446.94. The amount of \$62,706.50 represents the estimated reimbursable costs, the amount of \$47.55 represents the facilities capital cost of money, and the amount of \$1,692.89 represents the fixed fee. The amount presently obligated for this task order is \$30,000.00.

Accounting data for Task Order No. 55 are as follows:

B&R No.:	520-15-11-10-0
FIN No.:	J2062-5
BOC:	252A
RFPA No.:	NR9302655
APPN No.:	31X0200.520
Obligated Amount:	\$30,000.00

The following individual is considered to be essential to the successful performance for work hereunder: Mr. C. Crane and D. Prevatte. The contractor agrees that such personnel shall not be removed from the effort under the task order without compliance with Contract Clause H.1, Key Personnel.

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

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9502090062 941229  
PDR CONTR  
NRC-03-93-026 PDR

DF0211

Your contacts during the course of this task order are:

Technical Matters: Leta Brown, Project Officer  
(301) 504-1232

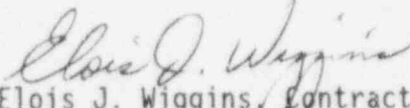
Contractual Matters: Vicki Gladhill, Contract Specialist  
(301) 415-6519

Parameter shall not exceed the amount obligated under this task order unless a formal modification is issued by the Contracting Officer.

Acceptance of Task Order No. 55 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 above Contract Specialist. You should retain the third copy for your records.

Should you have any questions regarding the subject document, please call Vicki Gladhill, Contract Specialist on (301) 415-6519.

Sincerely,

  
Elois J. Wiggins, Contracting Officer  
Technical Acquisition Branch No. 2  
Division of Contracts  
Office of Administration

Enclosure: Statement of Work

ACCEPTED: Task Order No. 55

NAME

TITLE

DATE

  
PRES.

6/1/95

CONTRACT NRC-03-93-026  
Parameter, Inc.

Attachment

STATEMENT OF WORK  
Revision No. 01 to Task Order - 55

Change the Site to the following:

TITLE: Service Water System Operational Performance Inspection - Sequoyah

DOCKET NUMBERS: 50-327 and 50-328

B&R NUMBER: 520-15-11-10                      JOB CODE: J-2062

NRC PROJECT MANAGER: Leta Brown, NRR (301) 504-1232

NRC TEAM LEADER: Walter Rogers, RII (610) 331-5600

Change the Technical Monitor to the following:

TECHNICAL MONITOR: Edmund A. Kleeh, NRR (301) 504-2964

PERIOD OF PERFORMANCE: January 1 - April 14, 1995

Revise the Background as follows:

BACKGROUND

A Service Water System Operational Performance Inspection will be conducted at TVA's Sequoyah Plant during the months of January and February, 1995. The inspection will be performed in accordance with Temporary Instruction 2515/118 and IP 40501 which will be provided by the Team Leader prior to the start of the inspection.

Revise the WORK REQUIREMENTS AND SCHEDULE as follows:

WORK REQUIREMENTS AND SCHEDULE

<u>Task</u>	<u>Schedule Completion</u>
5. Perform second on-site inspection to further evaluate the SWS.	The inspection is to take place the week of February 13-17, 1995 at the plant site.
6. Prepare inspection report input.	Documentation of inspection results is to take place the week of February 20-24, 1995 at the technical specialists' offices.

CONTRACT NRC-03-93-026  
Parameter, Inc.

Attachment

## STATEMENT OF WORK

### Task Order 55

TITLE: Service Water System Operational Performance Inspection -  
Watts Bar

DOCKET NUMBER: 50-390

B&R NUMBER: 520-15-11-10-0                      JOB CODE: J-2062

NRC PROJECT MANAGER: Leta Brown, NRR (301) 504-1232

NRC TEAM LEADER: Walt Rogers, RII, (404) 331-5600

TECHNICAL MONITOR: Jay Ball, NRR (301) 504-2975

PERIOD OF PERFORMANCE: January 1 - April 14, 1995

#### BACKGROUND

A Service Water System Operational Performance Inspection will be conducted at TVA's Watts Bar Plant during the months of January and February, 1995. The inspection will be performed in accordance with Temporary Instruction 2515/118 and IP 40501 which will be provided by the Team Leader prior to the start of the inspection.

The mechanical system design specialist will perform a full-scale review to evaluate the overall mechanical system design including the design-basis, calculations, and analysis. The specialist will also determine the functional requirements for the Service Water System and each active component during accident and abnormal conditions. The electrical system design specialist will review load sequencing, timing, and electrical alignment of power supplies supplying Service Water System components. Other team members will examine operations, maintenance, surveillance/testing, and quality assurance aspects.

#### OBJECTIVE

The objective of this task order is to obtain expert technical assistance (one mechanical system design engineer and one electrical system design engineer) to assist the NRC inspection team in the evaluation of the Service Water System. The mechanical and electrical system specialists shall be thoroughly familiar with the design requirements of nuclear plant service water systems regarding their respective areas of expertise, NRC inspection techniques, standard U.S. nuclear industry design practices and regulatory requirements, and have had design experience (preferably at the supervisory engineer level) at an architect engineering firm.

NRC-03-93-026, Task 55

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.

WORK REQUIREMENTS AND SCHEDULE

The work specified in this statement of work (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 and conducting the subject Service Water System Operational Performance Inspection, and documenting the inspection activities and findings. Specific tasks under this Task Order are:

<u>Tasks</u>	<u>Scheduled Completion</u>
1. Conduct pre-inspection trip to gain familiarity with plant and to gather information.	The pre-inspection trip shall take place at the plant site during the week of January 9-13, 1995.
2. Perform in-office review and prepare for on-site inspection.	The in-office review and preparation is to take place the week of January 16-20, 1995 at the technical specialists' offices.
3. Perform first on-site inspection to evaluate the SWS.	The inspection is to take place the week of January 23-27, 1995 at the plant site.
4. Perform in-office review, evaluate data from first inspection, and prepare for next on-site inspection.	The in-office review and preparation is to take place the week of January 30 - February 3, 1995 at the technical specialists' offices.
5. Perform second on-site inspection to further evaluate the SWS.	The inspection is to take place the week of February 6-10, 1995 at the plant site.
6. Prepare inspection report input.	Documentation of inspection results is to take place the week of February 13-17, 1995 at the technical specialists' offices.

NRC-03-93-026, Task 55

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, such as travel logistics, with the Team Leader. In cases where the technical specialist's office is in the proximity of the Region office, at the Team Leader's discretion, non-site activities will be conducted in the Region office. However, such cases will not involve additional travel and per diem in excess of that provided for in the "Meetings and Travel" section.

## REPORTING REQUIREMENTS

### Technical Reports

At the completion of Tasks 2 and 4, the contractor's specialists shall 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 Tasks 3 and 5, 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 5, (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. 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 each specialist's inspection findings.

At the completion of Task 6, the contractor shall deliver the specialists' final inspection report inputs (feeder reports) to the NRC Project Manager (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 input shall be as provided by the NRC Team Leader. The specialists' feeder reports will serve as documentation of the specialists' 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, the specialists' report inputs 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.

NRC-03-93-026, Task 55

Business Letter Reports

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

MEETINGS AND TRAVEL

Three, two-person, five day trips to the plant site to assist the NRC in conducting the subject evaluation.

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

ESTIMATED LEVEL OF EFFORT

The total level of effort is as follows:

<u>Discipline</u>	<u>Hours</u>
Project Management	40
Mechanical Systems Engineer (one)	260
Electrical Systems Engineer (one)	260
Support	10

The estimated level of effort for each specialist consists of 40 hours for pre-inspection visit to site, 40 hours for each of two weeks of in-office review and inspection preparation, 50 hours for each of two weeks of on-site evaluation, and 40 hours for documentation at the technical specialist's office.

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.

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.