



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

MAY 20 1994

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

Dear Mr. Lofy:

Subject: Task Order No. 34, "Engineering Inspection," at Millstone,  
NRC-03-93-026

In accordance with Section G.4, Task Order Procedures, of the subject contract, this letter definitizes Task Order No. 34. The effort shall be performed in accordance with the original Statement of Work and Modification 1 to the Statement of Work, both enclosed, and Parameter Inc.'s technical proposal dated May 20, 1994, incorporated herein by reference.

Task Order 34 shall be in effect from May 23, 1994 through July 8, 1994, with a cost ceiling of \$51,996.83. The amount of \$50,580.80 represents the estimated reimbursable costs, the amount of \$50.50 represents the facilities capital cost of money, and the amount of \$1,365.53 represents the fixed fee. The amount presently obligated for this task order is \$51,996.83.

Accounting data for Task Order No. 34 are as follows:

B&R No.:	420-19-14-05-0
FIN No.:	J2062-4
BOC:	252A
RFPA No.:	20 94 176A
APPN No.:	31X0200.420
Obligated Amount:	\$51,996.83

The following individuals are considered to be essential to the successful performance for work hereunder: Mr. Stephen A. Shuman and Dr. Wellington P. Chen. 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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PDR CONTR  
NRC-03-93-026 PDR

*DF02*

Your contacts during the course of this task order are:

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

Contractual Matters: Sharlene McCubbin, Contract Specialist  
(301) 415-6565

Acceptance of Task Order No. 34 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 Sharlene McCubbin, Contract Specialist on (301) 415-6565.

Sincerely,

*for Joyce A. Fields*

Elvis J. Wiggins, Contracting Officer  
Technical Acquisition Branch No. 2  
Division of Contracts and  
Property Management  
Office of Administration

Enclosure:  
Statement of Work

ACCEPTED: Task Order No. 34

*Stephen C. Lopez*  
NAME

*PREJ*  
TITLE

*5/31/94*  
DATE

STATEMENT OF WORK  
Task Order 34, Modification 1

TITLE: Engineering Inspection - Millstone

DOCKET NUMBERS: 50-336

B&R NUMBER: 320-19-14-05                      JOB CODE: J-2062

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

NRC TEAM LEADER: Sampath Malur, NRR (301) 504-2963

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

PERFORMANCE PERIOD: May 23, 1994 - July 8, 1994

Change first paragraph of OBJECTIVE to the following:

The objective of this task order is to obtain one mechanical systems design engineer and one mechanical components design engineer to assist the NRC inspection team in the performance of the Engineering Inspection. The mechanical components design engineer should have experience in the design of ASME and B31.1 piping and pipe supports. The engineers should primarily have a design background, such as from an architect-engineer firm, but should also be familiar with installation and testing and site engineering organizations. The engineers should be thoroughly familiar with NRC regulations and inspection methodology.

Change MEETINGS AND TRAVEL to the following:

MEETINGS AND TRAVEL

Two, two-person, five day trips to the plant site in conducting the inspection.

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

Change the ESTIMATED LEVEL OF EFFORT to the following:

ESTIMATED LEVEL OF EFFORT

<u>Number</u>	<u>Discipline</u>	<u>Hours</u>
	Project Manager	60
1	Mechanical Systems Engineer	204
1	Mechanical Components Engineer	204
	Support Staff	15

The estimated level of effort for each specialist consists of 24 hours for inspection preparation, 100 hours for two on-site inspection weeks, 40 hours for one home-office inspection related review during the intervening period between the on-site inspection periods and 40 hours for inspection documentation at the home-office.

STATEMENT OF WORK  
Task Order - 34

TITLE: Engineering Inspection - Millstone

DOCKET NUMBERS: 50-336

B&R NUMBER: 320-19-14-05                      JOB CODE: J-2062

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

NRC TEAM LEADER: Sampath Malur, NRR (301) 504-2963

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

PERFORMANCE PERIOD: May 23, 1994 - July 8, 1994

BACKGROUND

This inspection is being scheduled in response to regional concerns regarding the licensee's management of engineering activities. The purpose of this inspection is to evaluate the licensee's engineering activities, particularly the effectiveness of the engineering organization to perform routine and reactive activities in support of safe plant operation, including the identification and resolution of technical issues and timely resolution of problems identified by the operations staff.

This inspection will assess the effectiveness of the onsite engineering organization by reviewing the areas of coordination with operations and maintenance staff, adequacy of 50.59 evaluations of modifications, integration of safety considerations in decision making, control of interfaces in engineering activities, adequacy of self-assessments, timeliness of reviews and competency of the engineering staff. The inspection will follow the guidance provided in NRC Inspection Procedure 37550.

OBJECTIVE

The objective of this task order is to obtain one mechanical systems design engineer to assist the NRC inspection team in the performance of the Engineering Inspection. The engineer should primarily have a design background, such as from an architect-engineer firm, but should also be familiar with installation and testing and site engineering organizations. The engineer should be thoroughly familiar with NRC regulations and inspection methodology.

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 specialist, and the necessary facilities, materials, and services to assist the NRC staff in preparing for, conducting, and documenting the inspection activities and findings. Specific tasks under this Task Order are:

<u>Task</u>	<u>Schedule 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.	Inspection preparation will take place on or about June 1-3, 1994 at the technical specialist's office.
2. Perform the inspection.	The inspection is to take place at the site on or about June 6-10 and June 20-24, 1994, with an intervening home-office review period on or about June 13-17, 1994.
3. Prepare the inspection report.	Documentation of inspection at the technical specialist's offices on or about June 27 - July 1, 1994.

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.

REPORT REQUIREMENTS

Technical Report

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

During Task 2, the contractor's specialist shall provide daily reports to the NRC Team Leader. The format and scope of this report 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), the contractor's specialist shall provide a draft inspection report input to the NRC Team Leader. The format and scope 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 3, the contractor shall deliver the 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 5.1 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 as provided by the NRC Team Leader.

The specialist's feeder reports will serve as documentation of each 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 as provided 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

Two, one-person, five day trips to the plant site in conducting the inspection.

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	Project Manager	40
	Mechanical Systems Engineer	204
	Support Staff	10

The estimated level of effort for each specialist consists of 24 hours for inspection preparation, 100 hours for two on-site inspection weeks, 40 hours for one home-office inspection related review during the intervening period between the on-site inspection periods and 40 hours for inspection documentation at the home-office.

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.