



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

NOV 10 1982

Parameter, Inc.  
ATTN: Mr. Richard A. Lofy, President  
13545 Watertown Plank Road  
Elm Grove, WI 53122

Gentlemen:

Subject: Contract No. NRC-05-82-249, Task Order No. 27

Pursuant to the pertinent contract provisions and your telecon of November 5, 1982 with Sharon Wollett of this office, I hereby authorize the expenditure of funds currently obligated under this contract for the following task:

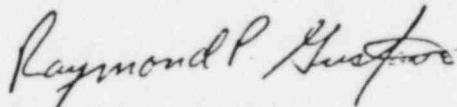
<u>Task No.</u>	<u>Task Description</u>	<u>Not To Exceed Amount</u>
27	Provide an NDE Crew and a Radioactive Source for Independent RT Examination of Safety Related Welds at Hope Creek Unit I Nuclear Plant	\$30,000.00

If you believe that the total ceiling price is inadequate for the purpose of this task order, you must so notify me within ten (10) business days after receipt. Said notification shall contain your estimate of the required total ceiling cost for the respective task. Within ten (10) business days after receipt of such notification, the Contracting Officer shall either ratify the total ceiling cost or adopt the proposed revised estimate or some combination of the two and revise or confirm the task order accordingly.

DESIGNATED ORIGINAL  
Certified By \_\_\_\_\_

This letter, executed on behalf of the Commission, is forwarded to you in quadruplicate. Please acknowledge receipt on three (3) copies hereon and return them to me as soon as possible. The fourth copy is for your retention.

Sincerely,



Raymond P. Gustave  
Contracting Officer  
Research Contracts Branch  
Division of Contracts  
Office of Administration

Enclosure:  
Task Order No. 27 (4 copies)

Received:

Parameter, Inc.

Agree  
 Disagree  
 Notification will be submitted by \_\_\_\_\_ Date

BY: Richard C. Lofy  
TITLE: PRES.  
DATE: 11/10/82

PARAMETER, INC.

CONTRACT NO. 05-82-249

TASK ORDER NO. 27

1. SCOPE OF WORK

Provide NRC, Region I, assistance and services in independent nondestructive examinations at Hope Creek Nuclear Power Plant, Hancock Bridge, N.J. The examination requirements include liquid penetrant, magnetic particle, and radiography per requirements of ASME B&PV Code, Section III.

2. BACKGROUND

The NRC, Region I has purchased a van, completely equipped with X-ray film cassettes, penetrameters, lead shielding, isotope storage cabinet, and all items necessary to perform radiography. The van contains two portable Sonic MK-2 Ultrasonic instruments and necessary transducers cables, couplants and calibration standards to perform ultrasonic examinations. The van includes a prod method - P90 Magnaflux machine and two Y-5 and Y-6 yokes to perform magnetic particle examinations. The van also includes the necessary liquid penetrant materials and equipment to perform both visible solvent removable and fluorescent liquid penetrant examinations.

The van is outfitted with water storage, water heater, cooler and necessary hold tanks for the radiographic needs. It is equipped with a 6.5 KW generator to operate all of the equipment, including necessary heating and cooling of the van.

As a part of the routine inspection program applied to nuclear power plants during construction, NRC Region I plans to use this NDE van to examine a sample of welds and base materials at the Hope Creek site. The NRC will provide detailed work procedures for each type of NDE described above. The NRC will provide the necessary person(s) at the Hope Creek site who will have the authority to direct the operations; contact the licensee, AE or contractor; revise the procedures, and issue addenda as necessary and assume overall responsibility for the inspection activity. NRC will make the necessary arrangements for moving the van and NRC supplied equipment to Hope Creek and the return back to Region I. NRC will issue the final report to the licensee.

3. STATEMENT OF WORK TO BE PROVIDED

Supply the following personnel and equipment at the Hope Creek site, Hancock Bridge, N.J. Tentative plans to accomplish the planned inspection are during November 8, 1982 through November 19, 1982.

- a. Iridium 192 isotope source with camera. The source should have an activity of approximately 100 curies.
- b. An individual who is qualified to transport and expose the source. This individual will be qualified to hand process film and interpret the findings. Qualifications should be to SNT-TC-1A, Level II.

Statement of work to be provided (Cont'd) 2

- c. A second technician who must be qualified (SNT-TC-1A) Level II to set-up, examine and interpret the results for methods in liquid penetrant, magnetic particle, and visual examination.
- d. Perform MT, PT, and visual examinations as directed by the NRC on welds, and base materials using the van, equipment and procedures supplied by the NRC. Preliminary results of the examination are to be supplied to the on-site NRC individual.
- e. Perform radiography, as directed by the NRC, on welds. The source is to be provided by the contractor, who retains the responsibility for the safe application of the source. Safe storage during non-use will be provided by the NRC. Expose film, develop and interpret the results using the van and NRC supplied equipment, (except the isotope source).
- f. Provide NRC Region I with a copy of each individual's qualifications before commencing work.
- g. Provide the above listed qualified people and equipment at the Hope Creek site to perform inspections daily for eight hours a day, any shift, for a period of two weeks, including one weekend.

4. REPORT REQUIREMENTS

The following reports are required:

- a. Daily progress report of inspection findings.
- b. A report containing final examination results for all requested examinations shall be supplied before the technicians depart the site.

5. PLACE OF PERFORMANCE

Hope Creek Nuclear Power Plant, Hancock Bridge, N.J.

6. LIABILITY

The contractor will make the necessary arrangements to comply with licensee insurance and liability requirements for site access of his employees. The contractor is responsible for compliance with local tax and employment regulations.

7. COST CEILING

\$30,000.