

NRC FORM 173 (2-78)	U.S. NUCLEAR REGULATORY COMMISSION	ORDER NUMBER 20-82-011
	STANDARD ORDER FOR DOE WORK	DATE

ISSUED TO (DOE Office) Idaho Operations Office	ISSUED BY (NRC Office) Office of Nuclear Reactor Regulation, DE	ACCOUNTING CITATION APPROPRIATION SYMBOL 31X0200.201
---------------------------------------------------	-----------------------------------------------------------------------	------------------------------------------------------------

PERFORMING ORGANIZATION AND LOCATION Idaho National Engineering Laboratory Idaho Falls, Idaho	B&R NUMBER 20-19-04-09
	FIN NUMBER A6430-1

FIN TITLE Review of Pumps and Valve Inservice Testing Program for Operating License Plants	WORK PERIOD - THIS ORDER	
	FIXED <input type="checkbox"/>	ESTIMATED <input checked="" type="checkbox"/>
	FROM 5/1/81	TO 11/30/82

OBLIGATION AVAILABILITY PROVIDED BY:	
A THIS ORDER	\$ - 0 -
B TOTAL OF ORDERS PLACED PRIOR TO THIS DATE WITH THE PERFORMING ORGANIZATION UNDER THE SAME "APPROPRIATION SYMBOL" AND THE FIRST FOUR DIGITS OF THE "B&R NUMBER" CITED ABOVE	\$ 6,299,000
C TOTAL ORDERS TO DATE	(TOTAL A & B) \$ 6,299,000
D AMOUNT INCLUDED IN "C" APPLICABLE TO THE "FIN NUMBER" CITED IN THIS ORDER	\$ - 0 -

FINANCIAL FLEXIBILITY
 FUNDS WILL NOT BE REPROGRAMMED BETWEEN FINs. LINE D CONSTITUTES A LIMITATION ON OBLIGATIONS AUTHORIZED.
 FUNDS MAY BE REPROGRAMMED NOT TO EXCEED ± 10% OF FIN LEVEL UP TO \$50K. LINE C CONSTITUTES A LIMITATION ON OBLIGATIONS AUTHORIZED.

STANDARD TERMS AND CONDITIONS PROVIDED DOE ARE CONSIDERED PART OF THIS ORDER UNLESS OTHERWISE NOTED.

ATTACHMENTS
 THE FOLLOWING ATTACHMENTS ARE HEREBY MADE A PART OF THIS ORDER
 STATEMENT OF WORK (Modification)
 ADDITIONAL TERMS AND CONDITIONS
 OTHER

SECURITY
 WORK ON THIS ORDER IS NOT CLASSIFIED
 WORK ON THIS ORDER INVOLVES CLASSIFIED INFORMATION. NRC FORM 187 IS ATTACHED.

REMARKS
 This order modifies the INEL proposal dated June 11, 1981 and requests that a revised proposal that reflects the entire effort of this project be submitted within 30 days.

 After acceptance, please send to the NRC Office of the Controller, ATTN: D. Dandois, and provide a copy to the Office of Nuclear Reactor Regulation, D. Corley.

ISSUING AUTHORITY Richard H. Vollmer <i>[Signature]</i> Director, Division of Engineering	ACCEPTING ORGANIZATION SIGNATURE TITLE DATE
-------------------------------------------------------------------------------------------------	------------------------------------------------------

NRC FORM 173 (2-78)
~~8112100572 BT1109~~
~~CF SUBV~~
~~P&E 1-1~~
 8112100572 7pp. XA

B-11

275-P
 361-A
 362-A

ENCLOSURE 1

STATEMENT OF WORK

Title: Review of Pump and Valve Inservice Testing Program for
Operating Licensing Plants

FIN #: A6430

B&R Number: 20-19-04-09

Technical Monitor: Anthony J. Cappucci, Jr., 492-9476

Cognizant Branch Chief: Robert J. Bosnak, 492-7456

Add the following tasks to the original Statement of Work.

SPECIFIC WORK REQUIREMENTS

	<u>Est. Completion Date</u>
Task 4. <u>Diablo Canyon</u>	
Estimated Level of Effort - FY82: 0.3 my	
<u>Subtask A.</u>	
Review the IST program and the relief requests for Diablo Canyon. Provide the evaluation and the requests for additional information or clarification.	11/1/81
<u>Subtask B.</u>	
Meet with the applicants to clarify and resolve the deficiencies identified.	11/30/81
<u>Subtask C.</u>	
Prepare and submit the summary report of the results of the review.	1/30/81
Task 5. <u>San Onofre 2 and 3</u>	
Estimated Level of Effort - FY82: 0.3 my	
<u>Subtask A.</u>	
Review the IST program and the relief requests for San Onofre 2&3. Provide the evaluation and the requests for additional information or clarification.	11/6/81
<u>Subtask B.</u>	
Meet with the applicants to clarify and resolve the deficiencies identified.	11/30/81
<u>Subtask C.</u>	
Prepare and submit the summary report of the results of the review.	2/15/82

Task 6. Summer 1 Est. Completion Date

Estimated Level of Effort - FY82: 0.3 my

Subtask A.

Review the IST program and the relief requests for Summer 1. Provide the evaluation and the request for additional information or clarification. 12/15/81

Subtask B.

Meet with the applicants to clarify and resolve the deficiencies identified. 2/1/82

Subtask C.

Prepare and submit the summary report of the results of the reievw. 4/1/82

Task 7. LaSalle 1 and 2

Estimated Level of Effort - FY82: 0.3 my

Subtask A.

Review the IST program and the relief requests for LaSalle 1&2. Provide the evaluation and the request for additional information or clarification. 3/1/82

Subtask B.

Meet with the applicants to clarify and resolve the deficiencies identified. 4/1/82

Subtask C.

Prepare and submit the summary report of the results of the review. 6/1/82

Task 8. Shoreham

Estimated Level of Effort - FY82: 0.3 my

Subtask A.

Review the IST program and the relief requests for Shoreham. Provide the evaluation and the request for additional information or clarification. 3/15/82

Est. Completion
Date

Subtask B.

Meet with the applicants to clarify and resolve the deficiencies identified.

4/15/82

Subtask C.

Prepare and submit the summary report of the results of the review.

6/15/82

Task 9. Fermi 2

Estimated Level of Effort - FY82: 0.3 my

Subtask A.

Review the IST program and the relief requests for Fermi 2. Provide the evaluation and the request for additional information or clarification.

5/1/82

Subtask B.

Meet with the applicants to clarify and resolve the deficiencies identified.

6/1/82

Subtask C.

Prepare and submit the summary report of the results of the review.

8/1/82

Task 10. Susquehanna 1 and 2

Estimated Level of Effort - FY82: 0.3 my

Subtask A.

Review the IST program and the relief requests for Susquehanna 1&2. Provide the evaluation and the request for additional information or clarification.

7/1/82

Subtask B.

Meet with the applicants to clarify and resolve the deficiencies identified.

8/1/82

Subtask C.

Prepare and submit the summary report of the results of the review.

10/15/82

Est. Completion
Date

Task 11. Comanche Peak 1 and 2

Estimated Level of Effort - FY82: 0.3 my

Subtask A.

Review the IST program and the relief requests for Comanche Peak. Provide the evaluation and the request for additional information or clarification.

8/15/82

Subtask B.

Meet with the applicants to clarify and resolve the deficiencies identified.

10/1/82

Subtask C.

Prepare and submit the summary report of the results of the review.

11/30/82

LEVEL OF EFFORT AND PERIOD OF PERFORMANCE

The additional level of effort for this modification is estimated at 2.4 staff years over a 1.2 year period ending November 30, 1982. Twelve staff weeks has been estimated as the average effort per plant review.

MEETINGS AND TRAVEL

It is estimated that one meeting with the applicant and NRC staff of two to three days duration will be required for each task. These meetings will be held at either the applicant's office, the plant site, or in Bethesda, MD.

NRC FURNISHED MATERIALS

The NRC will provide the contractor with one copy of the inservice testing program and one set of piping and instrumentation diagrams corresponding to the safety related systems and components addressed in the IST program for each plant under this work order.

ENCLOSURE 2

PROPOSAL CONTENT

The minimum items required in all proposals are:

1. Performing organization's name and location.
2. FIN Title, Fin Number, and B&R Number (NRC's) (as on statement of work).
3. Performing organization's key personnel, program manager, or principal investigator, their resumes and FTS phone number.
4. Background (definition of the problem including the objective(s) to be attained).
5. Work to be performed (Provide a concise description of tasks to be performed and expected results for the period of performance. Note technical data requirements, potential problems, and other technical information needed to fully explain the effort. Highlight changes from prior authorized SOW's, if any, identify changes in performance, schedule, or costs).
6. Identify major subcontracts, including consultants.
7. Costs estimated to be incurred by DOE contractors, subcontractors, and consultants. List by fiscal year to completion:
 - a. Manyears of Technical Support (MTS)
 - b. Costs:
 - (1) Direct Salaries (Labor) for MTS
 - (2) Material and Services (excluding ADP)
 - (3) Total ADP Support
 - (4) Subcontracts
 - (5) Capital Equipment
 - (6) Direct Travel Expense (Foreign travel must be shown separately)
 - (7) General and Administrative Expense (Include indirect labor cost)
 - c. Total Estimated Cost;
8. Forecasts:
 - a. Milestone Chart for accomplishing the work.

- b. Planned monthly rate of costs by fiscal year. This may be provided with the first report of an authorized program if not known at time of proposal submittal. At the beginning of each subsequent year, reports should include the planned monthly rate of costs for the ensuing year.

9. Conflict of Interest:

In order to assist the Commission in its evaluation, the DOE Contracting Officer shall describe any significant contractual and organizational relationships of the DOE, its contractor, their employees, or expected subcontractors or consultants on this proposal, with industries regulated by the NRC (e.g. utilities, etc.) and suppliers thereof (e.g. architect engineers and reactor manufacturers, etc.) that might give rise to an apparent or actual conflict of interest.

10. Reporting Requirements (as on statement of work).