

April 14, 1988

MEMORANDUM FOR: Satwant S. Bajwa, Chief
Technical Assistance Management Section
Planning, Program and Management Support Branch
Office of Nuclear Reactor Regulation

FROM: James G. Partlow, Director
Division of Reactor Inspection and Safeguards
Office of Nuclear Reactor Regulation

SUBJECT: REQUEST FOR CONTRACTUAL ACTION
CONTRACT: *TBD* CONTRACTOR: INEL
FIN: *TBD*

Please initiate the following action:

_____ New Contract (Commercial)
_____ New Contract (DOE)
 X Task Order - RSIB EOP Inspections
_____ Work Scope Modification
_____ Incremental Funding
_____ Ceiling Increase in the Contract Price
_____ No-Cost Increase Time Extension
_____ Administrative Action (i.e., SCRB Approvals, Project Manager Changes)

All required documentation is enclosed. The lead engineer, Steven R. Stein (X20977), is available to assist you with this action.

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CF SUBJ
P&C-1 CF

James G. Partlow, Director
Division of Reactor Inspection and Safeguards
Office of Nuclear Reactor Regulation

cc: K. West, NRR-TAMS
B. Grimes, NRR
C. Haughney, NRR
J. Konklin, NRR
L. Norrholm, NRR
S. Stein, NRR
J. Cummins, NRR
ARM

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OFC	: RSIB	: DRIS	: NRR	: RSIB	: DRIS	: NRR	: SIB	: DRIS	: NRR	: DD	: DRIS	: NRR	: DIR	: DRIS	: NRR	:
NAME	: SStein/vj			: JKonklin			: CHaughney			: BGrimes			: JPartlow			:
DATE	: 04/13/88			: 04/13/88			: 04/17/88			: 04/17/88			: 04/11/88			:

Contract:

Contractor: Idaho National Engineering Laboratories

Task Order

STATEMENT OF WORK

TITLE: Technical Assistance for Emergency Operating Procedures
Inspections at BWR Operating Plants

FIN:

B&R NUMBER:

PROJECT MANAGER:

LEAD ENGINEER: Steven R. Stein (301-492-0977)

PERFORMANCE MONITOR: James Konklin (301-492-0953)

A. BACKGROUND

The NRC's Office of Nuclear Reactor Regulation (NRR) is implementing an accelerated emergency operating procedures (EOP) inspection program to make an effectiveness determination of EOPs at boiling water reactor (BWR) facilities. NRR's Special Inspections Branch (RSIB) will be conducting EOP inspections at BWRs with Mark 1 containments. This task order is to provide for essential contractor technical assistance to the four RSIB teams in the area of plant operator licensing, BWR plant operations, and human factors.

B. OBJECTIVE

The objective of this task order is to obtain technical assistance in operator licensing, plant operations and human factors to support four RSIB teams in performing the EOP inspections outlined under the work requirements set forth below.

C. WORK REQUIREMENTS

The contractor shall provide four people qualified as BWR nuclear plant operator licensing examiners, four people with expertise in BWR plant operations, and two people with expertise in human factors as it relates to nuclear reactors to assist four NRC inspection teams. The teams will consist of NRC and other contracted personnel in several disciplines.

The teams will participate in team simulator training at the NRC's Technical Training Center before conducting their first inspection. The training sessions are scheduled for April 25-29, May 2-6, and May 9-13, 1988. Each of the 10 contractor supplied persons will be scheduled into one of the three training sessions.

The inspections will be conducted over a five-month period (May-September, 1988) and result in standardized inspection reports. The teams will be provided plant specific EOPs for review the week before each inspection. Immediately following each inspection, the team will meet in NRC headquarters to write the inspection report.

D. REPORTING REQUIREMENTS

1. Monthly progress reports.
2. NRC Report Inputs
 - a. Verbal daily reports to the NRC inspection team leader during each EOP inspection involving contractor assistance under Phase II.
 - b. An inspection report input documenting the results of the contractor's inspection activities, efforts, and findings for each EOP inspection. These inspection report inputs shall be in a format to be provided by the team leader. A handwritten draft shall be provided to the team leader at the conclusion of each inspection. The final inspection report inputs shall be provided no later than five working days after completion of each inspection.

E. MEETINGS AND TRAVEL

For planning purposes, the following meetings and travel are anticipated:

1. One 10-person, 5-day trip to the NRC Technical Training Center in Chattanooga, Tennessee to participate in inspection team training.
2. Ten 3-person, 12-day trips to operating reactor plant sites, to conduct inspections. The plants to be inspected are identified in H, below.
3. Ten 3-person, 5-day trips to NRC Headquarters to prepare inspection reports.

F. ESTIMATED LEVEL OF EFFORT

For planning purposes, the estimated level of effort is 2.75 professional staff years.

G. PERIOD OF PERFORMANCE

The period of performance for this task order shall begin on April 25, 1988 and shall continue through November 31, 1988.

H. PLANTS AFFECTED AND TENTATIVE SCHEDULE

The following is a list of BWR plants the four RSIB EOP teams will be inspecting, with a tentative start date for the 2-week on-site inspections. Inspection preparation will occur the one week before each inspection and report

writing will be performed the week following each inspection. Teams will be trained at NRC Technical Training Center at least several weeks before each team's first inspection.

Brunswick (Aug 22)	Millstone 1 (May 23)
Duane Arnold (June 6)	Browns Ferry (Aug 1)
Monticello (June 13)	Vermont Yankee (Aug 8)
Quad Cities (July 25)	Oyster Creek (Aug 8)
E. Fermi 2 (July 5)	Fitzpatrick (June 20)
Cooper (July 5)	Hope Creek (Sep 5)

I. APPLICABLE SPECIAL PROVISIONS

1. The work specified in this SOW is not fee recoverable.
2. It is the responsibility of the contractor to assign technical staff employees, subcontractors, or consultants 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 assigned to this task order, including assurance that all information contained in the technical and cost proposals, including resumes, is accurate and truthful.
3. The contractor will identify any actual or potential conflicts of interest the personnel provided under this task order may have with each of the plants listed in H, above. This information is required at the earliest possible time to permit assembling and scheduling the four teams.

J. TEAM LEADERS

Team #1:	Chris VanDenburgh	301-492-0965
Team #2:	Steven Guthrie	301-492-0966
Team #3:	James (Bud) Cummins	301-492-0957
Team #4:	James Dyer	301-492-0988
	Ralph Architzel	301-492-0991