



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

006895

NOV 21 2001

Purdue Research Foundation
ATTN: Mr. Thomas B. Wright
1063 Hovde Hall, Purdue University
West Lafayette, IN 47907-1063

Dear Mr. Wright:

SUBJECT: MODIFICATION NO. 1 TO TASK ORDER NO. 12
UNDER CONTRACT NO. NRC-04-97-046

This letter definitizes Modification No. 1 to Task Order No. 12. This modification extends the period of performance, at no additional cost to the Government, through January 15, 2002. Accordingly, the period of performance for Task Order No. 12 is from 04/01/00 through 01/15/02. Also, this task order shall be performed in accordance with the enclosed, modified pages of the Statement of Work that include new, estimated completion dates for Tasks 2 and 3 under this effort.

The Contractor shall not incur costs for this task order which exceed the obligated amount of \$64,930. **All other terms and conditions, including the ceiling of \$64,930, remain unchanged.** No FY02 funds are obligated with this modification.

Please indicate your acceptance of Modification No. 1 to Task Order No. 12 by having an official, authorized to bind your organization, execute three (3) copies of this document in the space provided and return two (2) copies to the Contract Specialist, Ms. Amy Siller, at the address listed below. You should retain the third copy for your records.

U.S. Nuclear Regulatory Commission
ADM/DCPM/CMB1, Mail Stop T-7-I-2
Washington, DC 20555

If you have any questions concerning this action, please contact Ms. Siller at (301) 415-6747.

Sincerely,

for Robert Webster

Mary H. Mace, Contracting Officer
Contract Management Branch 1
Division of Contracts and Property Management
Office of Administration

Enclosure:
As stated

ACCEPTED: MODIFICATION NO. 1 TO TASK ORDER NO. 12


NAME

Eric E. Fulkerson
Sr. Contract Manager

TITLE

NOV 28 2001

DATE

Modification (No.1) to the Statement of Work for Task Order #12, "MELCOR Assessment Against SCDAP/RELAP5," under Contract #NRC-04-97-046 and Job Code W6749, "Thermal-Hydraulic Research"

Work Requirements (4/1/01 - 1/15/02)

This is a no-cost extension to extend the estimated completion dates of the following Tasks 2 and 3 to January 15, 2002.

Task 2. Perform a Preliminary TMLB' Calculation and Compare the Results with the SCDAP/RELAP5 Calculation

Perform a preliminary TMLB' station blackout calculation (loss of all ac power and auxiliary feedwater to the steam generators) using MELCOR for the Zion nuclear power plant. Compare the results with an NRC-provided SCDAP/RELAP5 calculation for the same plant. If there is any significant discrepancy between the results of these two codes, try to identify the causes for the discrepancy. Prepare a letter report in both text and electronic format.

Note that a MELCOR input deck for Zion will be provided by the NRC. The NRC reserves the right to replace Zion with another plant if deemed necessary for this task.

Estimated Level of Effort: 2.3 staff-months
Estimated Completion Date: January 15, 2002 (new date)

Task 3. Provide Technical Assistance

This task provides on-call technical assistance to the NRC, including attending meetings, making presentations, and performing additional MELCOR calculations.

Estimated Level of Effort: 0.1 staff-month
Estimated Completion Date: January 15, 2002 (new date)