



006889

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

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. 6 TO TASK ORDER NO. 4  
UNDER CONTRACT NO. NRC-04-97-046

This letter definitizes Modification No. 6 to Task Order No. 4. 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. 4 is from 09/30/97 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 11, 13 and 14 under this effort.

The Contractor shall not incur costs for this task order which exceed the obligated amount of \$683,991.68. **All other terms and conditions, including the ceiling of \$734,372, remain unchanged.** No FY02 funds are obligated with this modification.

Please indicate your acceptance of Modification No. 6 to Task Order No. 4 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 Weber*

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

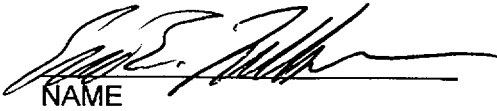
Enclosure:  
As stated

NOV 26 2001

TEMPLATE-ADM 001

ADM-02

ACCEPTED: MODIFICATION NO. 6 TO TASK ORDER NO. 4



NAME

**Eric E. Fulkerson**  
**Sr. Contract Manager**

TITLE

NOV 28 2001

DATE

Modification (No. 6) to the Statement of Work for Task Order #4, "Phase Separation in Tees," under Contract No. NRC-04-97-046 and Job Code W6749, "Thermal-Hydraulic Research"

**Additional Work Requirements (12/1/00 - 1/15/02)**

This is a no-cost extension to extend the estimated completion dates of the following Tasks 11, 13, and 14 to January 15, 2002.

**Task 11. Provide Technical Support**

This task provides technical support in terms of making presentations, reviewing technical reports, and attending meetings as requested by the NRC Technical Monitor.

Estimate Level of Effort: 0.5 staff-month (for this performance period)  
Estimated Completion Date: January 15, 2002 (new date)

**Task 13. Impact of Cross Flow**

The previous experiments at OSU were to study phase separation and liquid entrainment in vertical tees without cross flow (no steady horizontal flow in the hot leg where the vertical tee is located). This task is to investigate the entrainment process with a cross flow through the hot leg. Minor facility modification is needed. The task involves conducting experiments, collecting data, and developing a model or correlation. Prepare a letter report in both text and electronic format.

Estimated Level of Effort: 6 staff-months  
Estimated Completion Date: January 15, 2002 (new date)

**Task 14. Interfacial Area Transport in a Tee**

This task is to continue the work to measure the change in interfacial area concentration in a vertical tee. The work involves data collection, analysis, and model development. The task also requires coordination and cooperation with Purdue University. Prepare a letter report in both text and electronic format.

Estimated Level of Effort: 1.5 staff-months  
Estimated Completion Date: January 15, 2002 (new date)