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

SEP 06 2002

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

Dear Mr. Wright:

SUBJECT: TASK ORDER NO. 5 MODIFICATION NO. 11 ENTITLED "SUBCOOLED  
BOILING AT LOW PRESSURE" UNDER CONTRACT NO. NRC-04-97-046

In accordance with Section G.4, Task Order Procedures, of the subject contract, this letter definitizes Task Order No. 5 Modification No. 11. This effort shall be performed in accordance with the enclosed Statement of Work.

The period of performance for this task order runs January 14, 1998 through December 31, 2002. The total estimated cost for full performance of this task order is increased by \$29,890 from \$691,566 to \$721,456. \$29,890 in incremental funding is hereby allotted to Task Order No. 5. This action changes the total cumulative funds obligated for performance of this task order from \$686,910 to \$716,800. The Contractor shall not incur costs for this task order which exceed the cumulative obligated amount of \$716,800. All other terms and conditions of Task Order No. 5 remain unchanged.

Accounting data for Task Order No. 5 Modification No.11 is as follows:

B&R No.: 26015110205  
Job Code: W-6749  
BOC Code: 252A  
RES ID: RES-C02-481  
Appropriation No.: 31X0200  
Obligated Amount This Action: \$29,890

Purdue

Contract No. NRC-04-97-046

Task Order No. 5 Mod 11

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The issuance of this task order does not amend any terms or conditions of the subject contract.

Please indicate your acceptance of this task order by having an official, authorized to bind your organization, execute three copies of this document in the space provided and return two copies to the Contract Specialist. You should retain the third copy for your records.

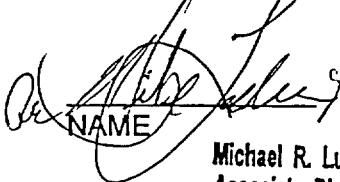
Sincerely,



Stephen M. Pool, Contracting Officer  
Contract Management Center No. 2  
Division of Contracts

Enclosure:  
As stated

ACCEPTED: TASK ORDER NO. 5 Mod 11



NAME

9/17/02  
DATE

Michael R. Ludwig  
Associate Director  
Sponsored Program Administration

TITLE

Modification (No.11) to the Statement of Work of Task Order #5, "Subcooled Boiling at Low Pressure," under Contract # NRC-04-97-046 and Job Code W6749, "Thermal-Hydraulic Research"

**Additional Work Requirements (9/1/02 - 12/31/02)**

Revise Task 8 and add a new Task 9 to the SOW.

**Task 8. Provide Technical Support**

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

Estimated Level of Effort: 0.2 staff-month (in addition to the previous effort)

Estimated Completion Date: December 31, 2002 (new date)

**Task 9. Develop Subcooled Boiling Models in TRAC-M for AP-1000 Analyses**

This task develops best-estimate, subcooled boiling models for TRAC-M to be used for AP-1000 analyses. The work also includes preparing FORTRAN coding and subroutines for TRAC-M, and assessing the models against data. Prepare a report in both text and electronic format.

Estimated Level of Effort: 2.8 staff-months

Estimated Completion Date: December 31, 2002