



CMB1AR

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

**SEP 15 2003**

Information Systems Laboratory, Inc.  
Attn: Nancy Aguinaldo  
11140 Rockville Pike, Suite 500  
Rockville, MD 20852

Dear Ms. Aguinaldo:

SUBJECT: TASK ORDER NO. 2 MODIFICATION NO. 5 UNDER CONTRACT NO. NRC-04-97-039

In accordance with Section G.5, Task Order Procedures, of the subject contract, this letter definitizes Task Order No. 2 Modification No. 5. This effort shall be performed in accordance with the enclosed Statement of Work.

The period of performance for Task Order No. 2 remains from October 27, 1999 through April 30, 2001. The total cost plus fixed fee for full performance of this task order is increased by \$54,110 from \$1,131,619 to \$1,185,729. The total estimated cost for this task order is increased by \$50,570 from \$1,057,588 to \$1,108,158. The total fixed fee for this task order is increased by \$3,540 from \$74,021 to \$77,561. No additional funds are allotted to this task order. Funds obligated for performance of this task order remain at \$1,069,986. Of this total obligated amount of \$1,069,986, \$999,987 represents funds for the estimated cost and \$69,999 represents funds for the fixed fee. The issuance of this task order does not amend any terms or conditions of the subject contract.

ISL

Contract No. NRC-04-97-039

Task Order No. 2 Mod 5

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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  
Division of Contracts and Property  
Management

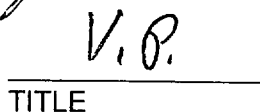
Enclosure:

As stated

ACCEPTED: TASK ORDER NO. 2 Mod 5

  
NAME

  
DATE

  
TITLE

STATEMENT OF WORK  
Mod to Task Order #2, 8/21/00

Task Order #2 - Make the following changes to the task order.

- A) Stop work on Subtask 2.1.4 (b) Code Manual, Volume III - Development Assessment until further notice, and redirect the effort to perform a new task described below.
- B) Add the following subtask to the Task Order.

2.1.2 (e) New Steam Table for TRAC-M

The new REALP5 steam tables utilize higher order polynomial fits to assure continuity of derivatives across cell boundaries and thermodynamically consistent properties. While the new steam tables provide greater robustness, they also use significantly greater computer resources. This task will implement an approach to store the coefficients of polynomials rather than the table values and evaluate its effect on reducing computer time spent in the steam table routines.

The new steam table binary file and interpolation routines will also be adapted for use in achieving RELAP5 functionality in the TRAC-M code. TRAC-M evaluates a set of polynomials for evaluating its steam properties instead of table interpolation. The TRAC-M code will be modified to call the RELAP5 table interpolation routines to obtain the steam properties needed by TRAC-M. Also, makefiles will be produced so that the steam table binary file can be built on UNIX and Windows platforms independently of RELAP5.

Estimated completion Date:	11/30/2000
Estimated Level of Effort :	3 Staff-months