



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

APR 16 2003

Information Systems Laboratories, Inc.
ATTN: James Meyer
11140 Rockville Pike, Suite 500
Rockville, MD 20852

SUBJECT: MODIFICATION NO. 8 TO TASK ORDER NO. 1 ENTITLED, "PTS ANALYSIS"
UNDER CONTRACT NO. NRC-04-02-054

Dear Mr. Meyer:

This letter definitizes Modification No. 8 to Task Order No. 1 in accordance with the enclosed statement of work. The period of performance for Task Order No. 1 remains from December 20, 2001 through November 30, 2003. The task order estimated cost and fixed fee is changed as follows:

	From:	By:	To:
Estimated Costs	\$591,570	\$257,600	\$849,170
Fixed Fee	\$ 46,691	20,571	\$ 67,262
CPFF	*\$638,261	\$278,171	\$916,432

* \$1 decrease to correct CPFF total from mod 6

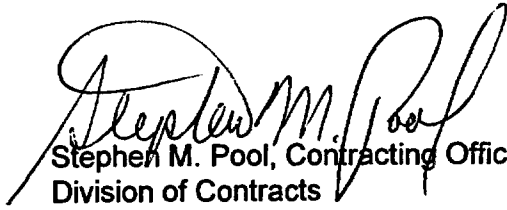
\$278,170 in funds are hereby allotted to this task order bringing the total funds from \$638,262 to \$916,432. Accounting Data for Task Order No. 1 Mod 8 is as follows:

Commitment No.	APPN#	B&R	JCN	BOC	Amount
RES-C03-042	31X0200	36015110191	Y6598	252A	\$278,170.00
Total Obligated Amount -					\$278,170.00

Please indicate your acceptance of Modification No. 8 to Task Order No. 1 by having an official authorized to bind your organization execute three copies of this document, by signing in the space provided, and return two copies to me. You should retain the third copy for your records. All other terms and conditions of this task order remain unchanged.

Should you have any questions, regarding this modification, please contact me on (301) 415-8168.

Sincerely,


Stephen M. Pool, Contracting Officer
Division of Contracts
Office of Administration

ACCEPTED:


NAME


TITLE


DATE

STATEMENT OF WORK
TASK ORDER NO. 1
MODIFICATION NO. 8
PTS ANALYSIS

WORK REQUIREMENTS

Task 1: Document Assessment of RELAP5 for PTS

Document the assessment of RELAP5 for PTS analysis as a NUREG/CR. Include all assessments performed. Include the updated PTS PIRT as a chapter in the NUREG/CR. To the extent appropriate, relate the individual assessment cases to the updated PTS PIRT.

A draft report is due April 30, 2003. The final report is due November 30, 2003

Estimated level of effort: 2 staff-months principal engineer; 2 staff-months senior engineer

Estimated Completion date: November 30, 2003

Task 2: Document Beaver Valley and Palisades Analyses

Document as a NUREG/CR the analyses of Beaver Valley and Palisades. A previous task order specified the documentation of analyses performed for Oconee. Expand this effort to include the three plants.

The draft report is due April 30, 2003. The final report is due November 30, 2003

Estimated level of effort: 4 staff-months senior engineer

Estimated Completion date: November 30, 2003

Task 3: Peer Review of PTS Re-evaluation Effort

RES staff are organizing a peer review of the overall PTS re-evaluation effort. Part of the peer review will include the analyses performed by ISL. In particular the results of the RELAP5 assessment for PTS and the PTS calculations performed for Oconee-1, Beaver Valley-1, and Palisades will be reviewed. This includes review of the two NUREG/CRs (assessment and plant calculation).

Support the peer review by means of supplying documentation, preparing and possibly making presentations, answering questions, and responding to peer review comments.

Estimated level of effort: 3 staff-months senior engineer

Estimated Completion date: November 2003

Task 4: Generalization of Results From Oconee-1, Beaver Valley, and Palisades

The PTS results must be generalized to all PWRs. Most of this work is being carried out by RES Divisions of Engineering and Risk Analysis and Applications. Provide input and consultations to the generalization step.

Estimated level of effort: 1 staff-month senior engineer
Estimated Completion date: November 30, 2003

Task 5: Perturbation Studies

FAVOR results obtained to date appear to show sensitivity at certain times to relatively small variations in downcomer temperature and heat transfer coefficient. Prepare cases to serve as sensitivity studies to be transmitted to ORNL to explore and understand the nature of these sensitivities. Results are to be transmitted via e-mail to ORNL.

Estimated level of effort: 1 staff-month senior engineer
Estimated Completion date: May 31, 2003

Task no. 6 is deleted from this task order modification.