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

SEP 0 3 2002

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

SUBJECT: MODIFICATION NO. 5 TO TASK ORDER NO. 1 ENTITLED, "PTS ANALYSIS" UNDER CONTRACT NO. NRC-04-02-054

Dear Mr. Meyer:

This letter definitizes Modification No. 5 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 December 31, 2002. The task order estimated cost and fixed fee is changed as follows:

	From:	By:	To:
Estimated Costs	$393,738	$83,322	$477,060
Fixed Fee	$ 30,882	6,656	$ 37,538
CPFF	$424,620	$89,978	$ 514,598

$89,978 in incremental funds are hereby allotted to this task order bringing the total funds to $514,598. Accounting Data for Task Order No. 1 Mod 5 is as follows:

Commitment No.	APPN#	B&R	JCN	BOC	Amount
RES-C02-483	31X0200	26015110191	Y6598	252A	$89,978.00
Total Obligated Amount -					$89,978.00

A summary of obligations for this task order, from award date through the date of this action is given below:

Total FY02 Obligation Amount:	$514,598.00
Cumulative total of NRC obligations:	$514,598.00

TEMPLATE. ADM-001

ADM02

Please indicate your acceptance of Modification No. 5 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

VP

TITLE

9/9/02

DATE

STATEMENT OF WORK
TASK ORDER NO. 1
MODIFICATION NO. 5
PTS ANALYSIS

WORK REQUIREMENTS

Task 1: Additional Beaver Valley and Palisades Plant Cases

Approximately 38 additional PTS transients defined by Probabilistic Risk Assessment Branch will be performed. An additional 22 cases may be defined by the NRC Project Officer later. Interact with Beaver Valley and Palisades staff as needed, to present the results of our RELAP5 analyses to utility personnel and obtain comments on our work. This will include joint meetings with utility staff to discuss and review results. It may be necessary to respond to requests for information from Beaver Valley and Palisades staff on results of RELAP5 analyses and their interpretation.

All RELAP5 input and output files that should be retained as defined by the NRC project officer will be archived on the NRC data bank.

Estimated Level of Effort: 3.25 staff-months; 2 staff-months for Beaver Valley and 1.25 staff-months for Palisades
Estimated Completion Date: 12/31/02

Task 2: RELAP5 Assessment

Perform assessment of condensation models used in RELAP5 using tests done at the Upper Plenum Test Facility (UPTF) as part of the 1980s 2D/3D program. Use RELAP5/MOD3.2.2gamma, the version of RELAP5 being used for PTS analysis. The tests to be analyzed are UPTF Test 6 for condensation in the downcomer and UPTF Test 8 for condensation in the cold leg.

All RELAP5 input and output files that should be retained as defined by the NRC project officer will be archived on the NRC data bank.

Estimated Level of Effort: 1.25 staff-months
Estimated Completion Date: 12/31/02