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**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

WASHINGTON, D.C. 20555-0001

NOV 04 1999

Advanced Technologies and Laboratories International, Inc.
Attn: Ms. Ray-way Hwang
20521 Century Blvd., Suite 200
Germantown, MD 20874

**SUBJECT: TASK ORDER NO. 2, MOD. 1, ENTITLED, "TA4 - FIRE, EXPLOSION AND
CHEMICAL SAFETY" UNDER CONTRACT NO. NRC-02-98-010**

Dear Ms. Hwang:

In accordance with the attached Modification to the Statement of Work, the purpose of this modification is to: 1) provide clarification of the deliverables under Section 4.0, Scope of Work and Deliverables, 2) revise section 8.0, Meetings and Travel to include two additional trips, 3) increase the ceiling of the task order by \$8,440 from \$47,473 to \$55,913, and 4) provide incremental funding in the amount of \$45,913. Therefore, the total cost plus fixed fee for this task order including Mod. 1 is \$55,913 of which the amount of \$51,771 represents the reimbursable costs, and the amount of \$4,142 represents the fixed fee. Funds in the amount of \$45,913 is hereby obligated which fully funds this task order.

Accounting data for this task order is as follows:

B&R No.: 05015201105
BOC: 252A
FIN No.: J5249
APPN No.: 31X0200
FFS: 5000R011
OBLIGATED AMOUNT THIS ACTION: \$45,913

A summary of obligations to date is as follows:

FY99	\$10,000
FY00	\$45,913
Total Obligations	\$55,913

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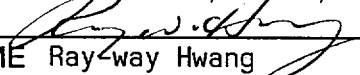
The issuance of this modification does not amend any terms or conditions of the subject task order. Please indicate your acceptance of this task order by having an official who is authorized to bind your organization, execute three copies of this document in the spaces provided below and return two fully executed copies to me. 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 T.O. #2, MOD 1, NRC-02-98-010



NAME Ray-way Hwang

TITLE Chief Financial Officer

DATE 11/8/99

MODIFICATIONS TO STATEMENT OF WORK
TASK ORDER 2, NRC-02-98-010

The Statement of Work under the subject task order is being revised as follows:

1. Section 4.0 entitled, Scope of Work and Deliverable, is hereby revised to incorporate the following clarification of deliverables provided by, Adanced Technologies & Laboratories International, Inc.:

Deliverables:

1. Review draft 10 CFR Part 70 Fire Safety SRP and document general/specific comments as required deliverable.
2. Review NEI comments on 10 CFR Part 70 relative to Fire Safety and document general/specific comments as required deliverable.
3. Identify the major fire hazards associated with 10 CFR Part 40 licensees based upon review of the license and SAR/SER of respective four (4) licensees.
4. Perform a review of selected non-NRC Fire Safety requirements/standards/guidance (e.g, DOE, NFPA, NEI, IAEA, CMA). Document the review results as a required deliverable in the form of a crosswalk/matrix relative to NRC requirements/guidance.
5. Prepare a draft 10 CFR Part 40 Fire Safety SRP based upon items # 1 - 4 above. Submit an initial draft SRP for NRC review/comment. Submit a final draft, appropriately incorporating NRC comments, as required deliverable.
6. Provide documented recommendations for appropriate integration of Fire Safety into other sections (e.g., Chemical Safety, Criticality Safety, Physical Protection, ISA, Management Measures, Maintenance, Training).

2. Section 8.0 entitled, "Meetings and Travel" is hereby revised to include one two-day trip for two people to Metropolis, Illinois, and one one-day trip for two people to Boyertown, Pennsylvania.

As a result the number of trips in Section 8.0 is revised to 5 and paragraph d) and e) are hereby added as follows:

"d) One two-day trip for two people to Metropolis, Illinois to tour UF6 conversion facility and review documents related to the following:

- process chemical risk and accident sequences
- items relied on for safety and management measures
- UF6 conversion processes
- identify the major chemical hazards at Part 40 facilities
- identify the major fire hazards at Part 40 facilities
- determine what hazardous materials or chemicals are used at facility
- pathways which chemicals might escape, leading to fires, explosions, toxic release
- design and procedure controls for fire and chemical safety

e) One one-day trip for two people to Boyertown, Pennsylvania to tour metal extraction facility and review documents related to the following:

- process chemical risk and accident sequences
- items relied on for safety and management measures
- UF6 conversion processes
- identify the major chemical hazards at Part 40 facilities
- identify the major fire hazards at Part 40 facilities
- determine what hazardous materials or chemicals are used at facility
- pathways which chemicals might escape, leading to fires, explosions, toxic release
- design and procedure controls for fire and chemical safety

NOTE: You may come in contact with business sensitive information which is not normally available to members of the public and should be held in confidence. Business sensitive information should not be disclosed to any party without prior approval from both the Nuclear Regulatory Commission and Allied Signal, Inc.