



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

CMB 2R

August 3, 2000

Advanced Technologies and Laboratories  
International, Inc.  
ATTN.: Ms. Ray-way Hwang  
20251 Century Boulevard, Suite 200  
Germantown, Maryland 20874

SUBJECT: TASK ORDER NO. 4 ENTITLED "TECHNICAL ASSISTANCE IN UPDATING  
REGULATORY GUIDES ASSOCIATED WITH INDEPENDENT SPENT  
FUEL STORAGE IN INSTALLATIONS AND TRANSPORTATION OF  
SPENT FUEL" UNDER CONTRACT NO. NRC-02-00-010

Dear Ms. Hwang:

In accordance with Section G.5(c) entitled "Task Order Award," of the subject contract, this letter definitizes the subject Task Order. This effort shall be performed in accordance with the enclosed Statement of Work .

Task Order No. 4 shall be in effect from August 4, 2000 through December 31, 2002. The total cost ceiling is \$574,166.84, of which the sum of \$536,604.52 represents the reimbursable costs and the sum of \$37,562.32 represents the fixed fee. The following cost ceilings are established for each period specified:

Period	Cost Ceiling	Cost	Fee
8/4/00 - 9/30/00	\$ 78,589.46	\$ 73,448.09	\$ 5,141.37
10/1/00 - 9/30/01	\$247,378.28	\$231,194.65	\$16,183.63
10/1/01 - 9/30/02	\$206,837.41	\$193,305.99	\$13,531.42
10/1/02 -12/31/02	\$ 41,361.70	\$ 38,655.79	\$ 2,705.91

The Contractor shall not exceed the established cost ceiling, during the specified period, without prior written authorization by the Contracting Officer. Any work undertaken by the Contractor in excess of the cost ceiling specified above, for the associated period, is done so at the Contractor's sole risk.

This Task Order No. 4 obligates funds in the amount of \$21,000.00.

The obligated amount shall, at no time, exceed the task order ceiling. When and if the amount(s) paid and payable to the Contractor hereunder shall equal the obligated amount, the Contractor shall not be obligated to continue performance of the work unless and until the Contracting Officer shall increase the amount obligated with respect to this task order. Any work undertaken by the Contractor in excess of the obligated amount specified above is done so at the Contractor's sole risk.

NRC-02-00-010 - Task Order No. 4

Accounting data for this task order is as follows:

B&R No.: 05015202105  
Job Code No.: J5281  
BOC: 252A  
APPN No.: 31X0200  
FFS No. : 5000R111  
Obligated Amount: \$21,000.00

The following individuals are considered essential to the successful performance of the work hereunder: 

The Contractor agrees that such personnel shall not be removed from the effort under the task order without compliance with Contract Clause H.5, Key Personnel.

Your contacts during the course of this task are:

Technical Matters: Francis Young, Technical Monitor  
(301) 415-3207

Penelope Kinney, Project Officer  
(301) 415-7805

Contractual Matters: Joyce Fields, Contracting Officer  
(301) 415-6564

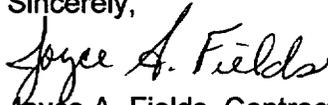
The issuance of this task order does not amend any terms or conditions of the subject contract.

Please indicate your acceptance of this task order by having an official, authorized to bind your organization, execute three (3) copies of this document in the space provided below and return two (2) copies to the U.S. Nuclear Regulatory Commission, ATTN: Ms. Joyce Fields, Division

NRC-02-00-010 - Task Order No. 4

of Contracts and Property Management, T-712, ADM/DCPM/CMB2, Washington, D.C. 20555.  
You should retain the third copy for your records.

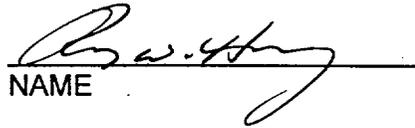
Sincerely,



Joyce A. Fields, Contracting Officer  
Contract Management Branch No. 2  
Division of Contracts and  
Property  
Office of Administration

Enclosure:  
As stated

ACCEPTED:



NAME

Chief Financial Officer

TITLE

August 3, 2000

DATE

## STATEMENT OF WORK

PROJECT TITLE: TECHNICAL ASSISTANCE IN UPDATING  
REGULATORY GUIDES ASSOCIATED WITH  
INDEPENDENT SPENT FUEL STORAGE  
INSTALLATIONS AND TRANSPORTATION OF SPENT  
FUEL

JOB CODE NUMBER: J5281  
B&R NUMBER: 050-15-202-105  
NRC TECHNICAL  
PROJECT MANAGER (TPM): Francis Young, (301) 415-3207  
NRC TECHNICAL ASSISTANCE  
PROJECT MANAGER (TAPM): Penny Kinney, (301) 415-7805  
FEE RECOVERABLE: No

### 1.0 Background

Regulatory Guides (REG Guide 1.13, 3.44 - 3.60) associated with spent fuel storage were last updated in the 1980's. Regulatory Guides (REG Guide 7.1 - 7.11) associated with radioactive material transportation were last updated in the 1970's. Neither series of Regulatory Guides (REG Guides) reflect current staff guidance and positions. Since industry currently relies on NRC standard review plans for insight on NRC staff guidance, these REG Guides need to be updated to reflect current guidance and staff's positions.

### 2.0 Objective

The objective of this task is to provide technical assistance to the NRC in updating regulatory guides associated with spent fuel storage and transportation.

### 3.0 Technical and Other Special Qualifications Required

The contractor shall commit the appropriate number of qualified staff to the project encompassing all required disciplines to develop and review associated REG Guides. The contractor's project manager shall be experienced in managing the preparation of REG Guides.

### 4.0 Level of Effort

Since the work will be performed by subtasks, the estimated level of effort for each subtask is provided below. The contractor is expected to complete Subtask A in FY2001. In the latter part of FY 2001, REG Guides associated with 10 CFR 72 will be generated (Subtask B). In FY2002, REG Guides associated with 10 CFR 71 will be generated (Subtask C).

The staff estimates for FY2000 through FY2002 are provided below.

Subtask A: 0.5 staff year  
Subtask B: 1.2 staff years \*  
Subtask C: 1.2 staff years\*

\*NRC's projected, estimated, level of effort for Subtasks B and C will be re-evaluated based on the contractor's written report required by Subtask A.

## **5.0 Period of Performance**

The period of performance for the work specified in this SOW shall commence on the effective date of this task order and shall continue through December 31, 2002.

## **6.0 Scope of Work**

The updating of the REG Guides shall be performed under subtasks. Under Subtask A, the contractor shall review NRC licensing actions, technical papers, and the most current, proposed regulations since the REG Guides were last updated. Based on this review, the contractor shall provide a written report summarizing which REG Guides should be updated, canceled or developed. In the second phase, the contractor shall develop or update the REG Guides associated with spent fuel storage identified in phase 1 and provide Final "Camera Ready" REG Guides to the NRC TPM for publication. In the third phase, the contractor shall develop or update and generate Camera Ready REG Guides associated with radioactive materials transportation. Development of these REG Guides will be done to support changes to Part 71 to conform to IAEA standards.

- **Subtask A: Develop Report Recommending REG Guides for Updating or Developing**

The contractor must review and become familiar with current NRC staff guidance and proposed regulation changes. The contractor shall develop a draft report identifying which REG Guides associated with 10 CFR 71 & 72 should be updated, developed or canceled. A presentation of the draft report shall be made to management in the Spent Fuel Project Office (SFPO). After this presentation and comments received from the NRC during this meeting, the contractor shall develop and submit a report describing recommendations for updating and developing applicable REG Guides. An estimated schedule and effort required shall be included in the report. This report shall be submitted to the NRC TPM by December 4, 2000. The NRC will review and make any additional comments to the contractor by December 18, 2000. The contractor shall provide the NRC with proposed revisions to the report which reflect the TPM's agreement by January 16, 2001.

- **Subtask B: Develop /Update and Generate Camera Ready Part 72 Reg Guides**

Based on the results of the final report identified in Subtask A, the contractor shall submit to the NRC TPM draft updates to specific REG Guides for Part 72. For each REG Guide, a meeting between NRC staff and the contractor will be conducted to

obtain NRC comments. The contractor shall resolve and incorporate the staff's comments. A "Camera Ready" REG Guide will be submitted to the NRC for publication. The original word processing program for the REG Guides will be "Word-Perfect 8." An electronic copy will also be provided for placement on an NRC Web page. This subtask will commence after NRC approval of the report submitted under Subtask A.

- **Subtask C: Develop /Update and Generate Camera Ready Part 71 Reg Guides**

Based on the results of the final report identified in Subtask A, the contractor shall submit to NRC draft updates to specific REG Guides for Part 71. For each REG Guide, a meeting between NRC staff and the contractor will be conducted to obtain NRC comments. The contractor shall resolve any issues and incorporate the staff's comments. A "Camera Ready" REG Guide will be submitted to the NRC for publication. The original word processing program for the REG Guides will be a "Word Perfect 8" file. An electronic copy shall also be provided for placement on an NRC Web page. This subtask will commence after the NRC TPM approves any revisions to the report.

## 7.0 Technical Task Reports

Three types of reports are required: (1) a report describing level of effort and planned schedule to update and develop applicable REG Guides, (2) applicable "Camera Ready" Regulatory Guides and (3) monthly technical and financial status reports identifying the overall progress of the task. Technical reports shall be prepared in accordance with Section F.2 - Preparation of Technical Reports in the contract and delivered to the NRC TPM.

## 8.0 Schedule of Milestone/Deliverables:

The deliverables required by this task with estimated due dates for submission to the TPM are provided below. The completion date and schedule for submission of deliverables required by Subtasks B and C may change based on the schedule included in the report required under Subtask A.

	ESTIMATED DUE DATE
Subtask A - <u>SFPO REG Guide Update Requirement Report</u>	<u>January 16, 2001</u>
Subtask B - <u>Part 72 Camera Ready REG Guides to the NRC</u>	<u>December 11, 2001</u>
Subtask C - <u>Part 71 Camera Ready REG Guides to the NRC</u>	<u>December 12, 2002</u>

## 9.0 Travel

It is expected that there will be several coordination meetings between the contractor and NRC staff throughout the duration of the task. Meetings will be held either at the contractor location or at NRC headquarters in Rockville, Maryland, at the NRC's discretion. For proposal preparation purposes, assume one trip to NRC headquarters, per quarter, for one person for two days.

## **10.0 NRC Furnished Materials**

The NRC TPM will furnish copies of the applicable REG Guides to the contractor.

## **11.0 Financial and Technical Status Reports**

The contractor shall submit a monthly technical report in accordance with Section F.3 - Technical Progress Report and a monthly financial status report in accordance with Section F.4 - Financial Status Report of the basic contract. The reports are due within 15 calendar days after the end of the report period with distribution to the NRC TPM, TAPM, and the contracting officer.

## **12.0 Technical Direction**

Penny Kinney is the NMSS TAPM and is the focal point for all contract related activities. All work assignments and program funding actions are initiated by the NMSS TAPM who submits all requests to the Division of Contracts and Property Management (DCPM) for processing. All proposed work scope or schedule changes must be submitted through the NMSS TAPM for DCPM.

Francis Young is the NMSS TPM and is responsible for providing technical guidance to the contractor regarding staff interpretations of the technical aspects of regulatory requirements, along with copies of relevant documents. Technical Instructions may be issued from time to time during the duration of this task. Technical instructions will not constitute new assignments of work or changes of such nature as to justify an adjustment in cost or period of performance. The Contracting Officer is the only individual authorized to make changes to this task.