



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

FEB 19 2002

MANDEX, Inc.
Attn: Kevin M. Couch
Dir. of Administration
12500 Fair Lakes Circle, Suite 160
Fairfax, VA 22033-3804

SUBJECT: TASK ORDER NO. 6 ENTITLED, "SUPPORT OF NMSS GIS AND 3D
MODELING EFFORTS IN AREAS OTHER THAN YUCCA MOUNTAIN,
NEVADA", UNDER CONTRACT NO. NRC-02-00-008

Dear Mr. Couch:

In accordance with Section G.5 entitled, "Task Order Procedures" of the subject contract, this letter definitizes Task Order No. 6. The effort shall be performed in accordance with the enclosed Statement of Work.

Task Order No. 6 shall be in effect from February 18, 2002 through November 15, 2002, with a ceiling of \$134,011.00. The amount of \$123,399.00 represents the total estimated reimbursable costs for the services to be performed as stated in the enclosed Statement of Work. The amount of \$10,612.00 represents the total fixed fee.

The amount presently obligated with respect to this task order is \$132,000.00 of which \$121,547.00 represents the total estimated reimbursable costs and the amount of \$10,453.00 represents the fixed fee. This obligated amount may be unilaterally increased from time to time by the Contracting Officer by written modification to this task order. The obligated amount shall, at not 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' sole risk. The Contractor shall comply with the provisions of 52.232-22 - Limitation of Funds for this incrementally funded task order.

Accounting Data for Task Order No. 6 is as follows:

APPN No.:	31X0200
B&R No.:	25015303164
FIN No.:	J5300
OBLIGATED AMOUNT:	\$132,000.00
FFS COMMITMENT NO.:	5002R043
BOC CODE:	252A

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

Your contacts during the course of this task order are:

Technical Matters: James Thomas
Project Officer
(301) 415-5168

Contractual Matters: Sharlene McCubbin
Contract Specialist
(301) 415-6565

Please indicate your acceptance of this Task Order No. 6 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 Administrator. You should retain the third copy for your records.

If you have any questions regarding this matter, please contact Sharlene McCubbin, Contract Specialist, on (301) 415-6565.

Sincerely,



Mark Flynn, Contracting Officer
IT Acquisition Management Branch
Division of Contracts and
Property Management
Office of Administration

Enclosure:
As stated

ACCEPTED:

NAME:

TITLE:

DATE:

James Graybill
VP Finance & Admin
2/28/02

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1. TITLE:

Support of NMSS GIS and 3D Modeling Efforts in Areas Other than Yucca Mountain

2. SCOPE OF WORK:

This Task shall involve interaction with personnel from CNWRA, licensees, and NMSS staff for the development of GIS and 3D Models to support licensing activities other than those covered by Yucca Mountain. These include, but are not limited to: facility decommissioning, environmental assessments, low level waste activities, and potential high level waste activities other than Yucca Mountain. This will be a continuing multi-year designed to accomplish the items listed below:

Subtask 2.1: Maintain Databases of Models: Provide continuous support to the CRADAL Manager and NMSS staff to store the various GIS and 3D models that have previously been developed in support of licensing activities related to any facility being reviewed. Contractor personnel shall assure that all models are appropriately labeled as to source, time of development and coverage. Contractor personnel shall also routinely work with the NRC Project Officer to assure that original copies of models and software being used and system backups are secured in the CRADAL safe to provide disaster recovery should data be compromised during use.

Subtask 2.2 Development of New Models: The contractor shall meet with the NRC Project Officer and NRC Project Managers assigned to specific licensing facilities to develop a specific plan for geological, hydrological, and/or radiological modeling that can be completed prior to November 15, 2002. Based on the input from the NRC Project Officer, the contractor shall develop and test models using Earthvision, ERDAS, ArcInfo, and/or ArcView, as appropriate. Final models shall be presented to NMSS staff via a LCD projection presentation. Following this presentation, contractor shall prepare a final report detailing the assumptions and limitations of the model(s) developed and provide recommendations as to possible future sampling points which might enhance the model's accuracy.

Subtask 2.3 Maintaining Level of Expertise: The contractor shall arrange for the scheduling of continuing education classes in Earthvision, ArcInfo, ArcView, or ERDAS, as appropriate, to maintain the skill levels of staff assigned to this project.

Subtask 2.4 Purchase of IT Equipment: As directed by the Contract Officer, the contractor shall arrange for the purchase of hardware and software components in support of CRADAL. If any of the items requested are available for purchase off the GSA schedule, the contractor need only provide a single source for the product, its price, and expected time for delivery following the placement of an order. If the item is not on the GSA schedule, the contractor must provide three independent quotes for the i

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Item along with estimated delivery schedules. Items shall not be purchased until the quotes have been reviewed by the NRC and the actual purchase is authorized by the Contract Officer.

3. DELIVERABLES:

Subtask 2.2 Model Development: The contractor shall complete each model development task within 180 days of the initiation of the model, unless an extension is granted by the Project Officer. No later than 20 days following completion of the development of any new model, the contractor shall deliver a final report on the model developed, the assumptions used, and the recommendations for future work

Subtask 2.3 Maintaining Level of Expertise: Within 60 days from the date of this task order, the contractor will develop and submit to the NRC Project Officer for approval, a training plan for all staff members which is designed to develop journeyman personnel and keep senior personnel abreast with the latest developments in GIS and 3D modeling. The NRC Project Officer will provide comments on or approval of this training plan to the contractor within one (1) week from receipt. Should corrections or clarifications be required, the contractor will resubmit this plan accordingly, within one (1) week from receipt of the NRC Project Officer's comments. All deliverables shall be submitted in accordance with Subsection F.2 - DELIVERY FORMAT of the basic contract.

Efforts in this area shall include plans to attend formal training sessions given by the software vendors for the products used in CRADAL and attending conferences where other users are reporting on experiences with ArcInfo, Arcview, ERDAS, and Earthvision.

4. REPORTING REQUIREMENTS:

The contractor shall report on all such efforts monthly and make any suggested changes to the training plan to the NRC Project Officer. All reports shall be submitted in accordance with Subsection F.6 - 2052.212-71 TECHNICAL PROGRESS REPORTS of the basic contract.

5. TRAINING REQUIREMENT:

This requirement shall be accomplished in accordance with Subsection C.5 - TRAINING REQUIREMENTS of the basic contract.

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6. TRAVEL:

It is estimated that two person trips shall be required to Alameda, CA for training in updated Earthvision courses as required by the basic contract. We estimate that up to four person trips may be required to inspect sites in preparation for modeling. All travel required by this task order shall be proposed for and made in accordance with Subsection G.2 - 2052.215-82 TRAVEL REIMBURSEMENT - ALTERNATE I of the basic contract.

7. PERIOD OF PERFORMANCE:

The period of performance of this task order shall be from date of award through November 15, 2002.

8. TASK ORDER LEADER:

The Task Leader for this task order will be the NRC Project Officer under the basic contract, Mr. James Thomas. He can be reached at (301) 415-5168.