



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

DEC 28 2003

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

SUBJECT: TASK ORDER NO. 9, ENTITLED, "SUPPORT OF NMSS GIS AND 3D
MODELING EFFORTS," 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. 9. This effort shall be performed in accordance with the enclosed Statement of Work.

Task Order No. 9 shall be in effect from April December 18, 2003, through March 31, 2005, with a cost ceiling of \$181,161.00. The amount of \$166,815.00 represents the total estimated reimbursable costs, and the amount of \$14,346.00 represents the fixed fee.

The amount presently obligated with respect to this task order is \$43,007.00, of which the amount of \$39,601.00 represents the reimbursable cost, and the amount of \$3,406.00 represents the fixed fee.

In accordance with FAR Clause 52.232-22 - **LIMITATION OF FUNDS**, the contractor is not obligated to continue performance under this task order or otherwise incur costs in excess of the amount obligated, until the Contracting Officer notifies the contractor in writing that the obligated amount has been increased. In absence of such notification by the Contracting Officer, the Government is not obligated to reimburse the contractor for any costs in excess of the obligated amount specified herein. The amount presently obligated is estimated to cover performance through April 15, 2004.

Accounting data for Task Order No. 9 is as follows:

B&R No.:	45015303164	APPN No.:	31X0200
Job Code:	J5300	FFS Commitment No.	5004R004
BOC:	252A	OBLIGATED AMOUNT:	\$43,007.00

The following individual(s) are considered to be essential to the successful performance of the work hereunder:

[REDACTED]

The Contractor agrees that such personnel shall not be removed from the effort under the task order without compliance with Contract Clause H.4, Key Personnel.

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

Your contacts during the course of this task are:

Technical Matters:

James Thomas, Technical Program Manager
(301) 415-5168

Edna Knox-Davin, Project Officer
(301) 415-6577

Contractual Matters:

Michael A. Turner, Contract Specialist
(301) 415-6535

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 provides below and return two copies to the Contract Specialist. You should retain the third copy for your records.

If you have any questions regarding the subject task order, please contact Michael Turner, Contract Specialist on (301) 415-6535.

Sincerely,

for Joyce A. Fields

Donald A. King, Contracting Officer
Contract Management Center No. 1
Division of Contracts
Office of Administration

Enclosure: As stated

ACCEPTED:

Sammy Graybill

NAME

VP Finance and Admin

TITLE

12/29/03

DATE

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1. TITLE:

Support of NMSS GIS and 3D Modeling Efforts

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. These include, but are not limited to: facility decommissioning, environmental assessments, low level waste activities, and potential high level waste activities. This multi-year effort is 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 periodically 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 March 31, 2005. 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.

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.

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Subtask 2.3 Maintaining Level of Expertise: Within 60 days from the date of this Task Order No. 009, 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.

6. TRAVEL:

It is estimated 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 December 18, 2003, through March 31, 2005.

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8. TECHNICAL SKILLS REQUIRED:

The contractor shall provide resumes of all personnel selected to work under this task order unless previously provided.

9. 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.