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

May 30, 2002

Wesley C. Patrick, President
Center for Nuclear Waste
Regulatory Analyses
6220 Culebra Road
PO Drawer 28510
San Antonio, TX 78228-0510

Subject: Task Order No. 13 Entitled, "Technical Assistance for Participation in the MOU Multi-Agency Working Groups", Under Contract NRC-02-97-001

Dear Dr. Patrick:

In accordance with the task order procedures of the subject contract, this letter definitizes Task Order No. 13. This effort shall be performed in accordance with the enclosed Statement of Work, and the Contractor's technical proposal dated May 17, 2002. Task Order No. 13 shall be in effect from June 6, 2002 through November 15, 2002 with a cost ceiling of $39,478. The amount of $36,251 represents the total estimated reimbursable costs, the amount of $689 represents the cost of facility capital, and the amount of $2,538 represents the fixed fee for this task order.

The amount obligated on this task order document is $39,478.

Accounting Data for Task Order No. 13 is as follows:

B&R No.: 25015303260
JC No.: J5156
BOC: 252A
Appn. No.: 31X0200
Obligated: $39,478

The following individuals 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.1 Key Personnel.

Your contacts during the course of this task order are:

Technical Matters: Edna Knox-Davin
Project Officer
(301) 415-6577

TEMPLATE-ADM 001

ADM02

Contractual Matters: Barbara Meehan
Contract Specialist
(301) 415-6730

The issuance of Task Order No. 13 does not change any terms and conditions of the subject contract.

Please indicate your acceptance of Task Order No. 13 by having an official authorized to bind your organization, execute three (3) copies of this document in the space provided and return two (2) copies to the U.S. Nuclear Regulatory Commission, Attn: Mrs. Barbara Meehan, ADM/DCPM/CMB2, Mail Stop T-7I2, Washington, DC 20555. You should retain the third copy for your records.

If you have any questions regarding this matter, please call me on (301) 415-6730.

Sincerely,

Barbara D. Meehan

Barbara D. Meehan, Contracting Officer
Contract Management Branch No. 2
Division of Contracts and
Property Management
Office of Administration

Enclosure: As stated

Accepted:

Name

R.B. Kalmbach, Director, Contracts
Title

June 7, 2002
Date

OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS
DIVISION OF WASTE MANAGEMENT

STATEMENT OF WORK

TITLE: Technical Assistance for Participation In The MOU Multi-Agency Working Groups

JOB CODE NO. AND TASK ORDER NO. : J5156, TASK ORDER: #13

NRC TECHNICAL PROJECT MANAGER (TPM) : Rateb (Boby) Abu-Eid
301-415-5811

NRC PROJECT OFFICER/TECHNICAL ASSISTANCE PROJECT MANAGER (TAPM):
Edna Knox-Davin
301-415-6577

1.0 BACKGROUND

On July 5, 2001, various offices from different Federal agencies[1] established a Memorandum Of Understanding (MOU) regarding "Cooperation on Research on Multimedia Environmental Models (MMEMS)." The purpose of the MOU is to establish a framework for facilitating cooperation and coordination in research and development of multimedia environmental models. The MOU is particularly intended to provide a mechanism for participating agencies to pursue a common technology in multimedia environmental modeling with shared scientific basis. It is also intended to reduce redundancies and improve technologies through mutual exchanges and comparison of models, software, and related data bases. In this respect, four inter-agency working groups have been established to address variety of technical issues pertaining to MMEMS. These groups include: (a) Software Design and Implementation for Environmental Modeling Group; (b) Uncertainty Analysis and Parameter Estimation Group; (c) Techniques and Approaches Used to Parameterize Reactive Transport Models Group; and (d) Watershed Modeling Group. The NRC, as a participating agency, is committed to a full participation in these working groups. Therefore, this effort is being developed to fulfill NMSS's commitment to fully participate in the multi-agency MOU Working Groups. This Task order will provide support to NMSS in establishing harmony with other Federal agencies in the use and application of multimedia environmental models and in transferring newly developed technology in environmental models, software, databases, and supporting information to NMSS staff.

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[1]The Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission; The Office of Research and Development, U.S. Environmental Protection Agency; The Engineering Research and Development Center, U.S. Army Corps of Engineers; the Office of Science and Technology, U.S. Department of Energy; The U.S. Geological Survey, U.S. Department of Interior; and the Agricultural Research Service, U.S. Department of Agriculture.

Without this task order support, NMSS may not be able to fully participate in the working groups' activities. Subsequently, lack of NMSS participation may result in gaps and disparities between NMSS and other federal agencies' approaches in applying environmental media models and parameters to NMSS's specific safety and environmental problems. In addition, NMSS would be impeded from adequately supporting its share in the performance assessment and environmental analysis arenas and would impede keeping staff abreast of newly developed technologies in these areas.

2.0 OBJECTIVE

The objective of this Statement of Work (SOW) is to provide assistance to NMSS staff through full participation of CNWRA staff in the MOU working groups' activities and providing feedback and recommendations regarding potential application and/or implication to NMSS activities.

3.0 WORK REQUIREMENTS

CNWRA shall provide technical assistance to NRC during the period from the date of the contract through September 30, 2002. In support of the work requirements of this SOW, CNWRA shall participate, as needed, in tele-conferences with the MOU working groups as well as with NMSS staff to discuss technical issues and recommendations. In this respect, CNWRA shall perform the following tasks and develop the products specified.

3.1 TASK 1 Full participation of CNWRA in the Working Groups Activities

CNWRA staff shall fully participate in the MOU working groups activities. Full participation includes attendance of monthly conference calls, attendance of annual/semi-annual group meetings, and review of documents and codes/models pertaining to each specific group's activities. This task covers activities of each of the following MOU working groups: (a) Software Design and Implementation for Environmental Modeling Group; (b) Uncertainty Analysis and Parameter Estimation Group; (c) Techniques and Approaches Used to Parameterize Reactive Transport Models Group; and, (d) Watershed Modeling Group. CNWRA staff shall also participate in code/model testing and comparison as necessary.

3.2 TASK 2 Provide NMSS Summaries and Recommendations

CNWRA shall provide NMSS staff with periodical summaries of each working groups' conclusions regarding efforts or newly developed technologies, models/code testing and comparison, parameter analysis, as well as recommendations for potential applications to NMSS activities.

4.0 DELIVERABLES

CNWRA shall provide letter reports to the Technical Project Manager (TPM) and other NRC staff as directed by the TPM. A Monthly Letter Report (MLR) shall be provided summarizing main activities, conclusions, and recommendations of the MOU working group tele-conference meetings as well as the expenditures.

5.0 REPORTING REQUIREMENTS

5.1 Monthly Letter Reports

CNWRA shall submit MLRs at the conclusion of each working group's meeting, summarizing major technical issues and conclusions applicable to NMSS activities. The MLR shall be submitted within 15 days from the latest date of each working group's monthly meeting. The reports shall include executive summaries and supporting documents. A final comprehensive report shall be submitted no later than November 15, 2002. NRC comments will be considered and incorporated in the final report. MLRs generated by CNWRA are not typically made available to the public; however, a final report may be made available to the public following NRC reviews and approval to ensure consistency with NRC policy and guidance.

Publication: CNWRA and the TPM shall discuss whether the information resulting from the tasks under this contract warrants publication in refereed technical journals. In accordance with the terms and conditions of this task order, the TPM shall make the final determination whether the publication may be pursued as an allowable costs under this project and DCPM will notify CNWRA of the decision by a formal request for proposal.

5.2 Status Reports

See Sections F.3 and F.4 of the contract for requirements for status reports.

6.0 REQUIRED EXPERTISE

CNWRA shall identify all key personnel and explain the rationale as to why each individual is uniquely qualified to be designated as key to this work. The assigned key scientific, technical, and/or other personnel assigned to this contract shall have extensive expertise in health physics and environmental transport modeling. Resumes for key personnel shall be provided that include detailed information on relevant experience.

7.0 MEETINGS AND TRAVEL

Contractor staff (1 individual) appointed to each working group is expected to travel to the semi-annual/annual working groups meetings or to NRC/HQ. Therefore, 3-4 trips of 3-4 days each within the continental US are anticipated under this task order.

8.0 PERIOD OF PERFORMANCE

The period of performance for tasks specified in this SOW shall commence on June 6, 2002 and extend through November 15, 2002.

9.0 LEVEL OF EFFORT

n/a