



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

MAY 28 1996

National Oceanic and Atmospheric Administration
Air Resources Laboratory
Attn: Sharon Wingfield
1315 East-West Highway, SSMC-3, R/E/AR
Silver Spring, MD 20910

Dear Ms. Wingfield:

Subject: Modification No. 1 to Interagency Agreement No. NRC-26-95-350
Entitled "Direct Emergency Response Support to the NRC Operations
Center"

This modification issued to (1) revise the Statement of Work; and (2) increase the amount obligated by \$90,000.00, from \$22,742.00 to \$112,742.00. The Interagency Agreement is therefore modified, as follows:

1. Under Article I - Statement of Work, Task 4 under the Scope of Work is deleted in its entirety and replaced with the following:

Task 4: Provide Access to (a) NOAA/ARL's Atmospheric Dispersion Forecast Products Through READY, and (b) Eta Model Meteorological Data for Use in the NRC's RASCAL Model

- a. NOAA/ARL shall continue to tailor and maintain the NRC's version of the Real-time Environment Applications and Display System (READY) for use by NOAA/ARL and qualified NRC personnel with responding to an event. NOAA/ARL shall:

- conduct a review of the identified weather observation locations that are within a hundred miles of the NRC-licensed sites included in the pre-packaged weather provider's program (currently Accu-Weather) and identify any needed changes (corrections, additions, or deletions). Conduct a verification of the observation location's descriptive information, such as each identifier code, location (lat & long), direction and distance from the site, et. These changes will be made with the NRC's READY computer programs as well.

- provide and maintain gridded meteorological data on NOAA/ARL's computer system to be used by NOAA/ARL's atmospheric dispersion forecast models in the event of an NRC emergency or exercise.

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- make changes to the READY programs based on comments from NRC personnel who use the system and due to any unforeseen changes in the process that NRC communicates with NOAA/ARL's computer system.
- b. NOAA/ARL shall provide the support necessary to finalizing the Eta Model interface to the RASCAL v3.0 Model so that the Eta Model data can be transferred to the RASCAL v3.0 Model. this task includes testing the information transfer and making any minor adjustments needed after the testing.

The NRC wishes to incorporate the Eta data into RASCAL to give a better representation of the meteorological environment beyond the immediate plant area. Currently, the plant meteorological towers provide near-surface wind and stability data, for example, but little is known of the vertical structure of the atmosphere or of the forecast winds and stability surrounding the immediate plant area. Therefore, NOAA/ARL shall:

- cooperate with the RASCAL developers to determine the Eta model data to be used by RASCAL and the fields and vertical levels needed for input into RASCAL;
- determine the best method of retrieval of Eta data from NOAA computers for NRC computers;
- develop all programs necessary to retrieve, extract, and pack Eta data around each of the NRC-regulated facilities;
- Provide the NRC with the necessary programs and assistance to unpack the Eta data;
- provide assistance to the RASCAL developers in their incorporation of the Eta data into the most current version of RASCAL;
- provide the maintain Eta meteorological forecast data files for use in the design and testing of the prototype demonstration system;
- in cooperation with the RASCAL developers, demonstrate concept feasibility with a prototype demonstration, and define the specific steps required to complete the task; and
- keep the NRC informed of changes to Eta model data.

2. Under Article IV, Estimated Amount and Obligation of Funds, the following accounting data is added:

B&R No.: 682-15-11-60-35
FIN: E8287
BOC: 253A
AEOD ID: AED953501
Appn No. 31X0200.682
Amount Obligated: \$90,000.00

A summary of obligations for this Interagency Agreement, from date of award through the date of this action, is given below:

Total FY95 Obligations: \$22,742.00
Total FY96 Obligations: \$90,000.00

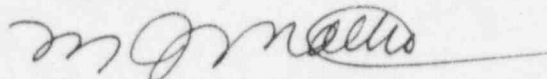
Cumulative Total of NRC Obligations: \$112,742.00

It is estimated that the amount currently allotted will cover performance through December 31, 1996.

All other terms and conditions remain the same.

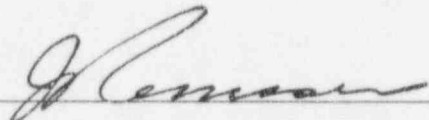
If this agreement is acceptable to NOAA, please so indicate by signing in the space provided below and returning two fully executed copies to me. You may retain the third copy for your records.

Sincerely,



Mary Jo Mattia, Contracting Officer
FIP Acquisitions Branch
Division of Contracts
Office of Administration

ACCEPTED:

BY: 

TITLE: James L. Rasmussen, Dir., ERL

DATE: 6/3/96