



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

April 17, 2000

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. 7 Entitled, "Review 'Re-evaluation of the Indoor Resuspension Factor for the Screening Analysis of the Building Occupancy Scenario for NRC's License Termination Rule'", 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. 7. This effort shall be performed in accordance with the enclosed Statement of Work and the Contractor's technical proposal. Task Order No. 7 shall be in effect from March 14, 2000 through May 15, 2000 with a cost ceiling of \$10,914. The amount of \$9,783 represents the total estimated reimbursable costs, the amount of \$349 represents the cost of facility capital, and the amount of \$783 represents the fixed fee for this task order.

The amount obligated on this task order document is \$10,914 (including the \$9,000 authorized verbally on 3/14/00). 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.

Accounting Data for Task Order No. 7 is as follows:

B&R No.: 05015303120  
JC No.: J5156  
BOC: 252A  
Appn. No.: 31X0200  
Obligated: \$10,914

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.

Template = ADM-001

ADM02

Your contacts during the course of this task order are:

Technical Matters: Jayne Halvorsen  
Project Officer  
(301) 415-6001

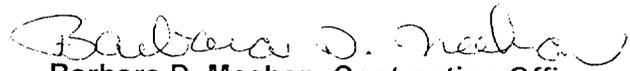
Contractual Matters: Barbara Meehan  
Contract Specialist  
(301) 415-6730

The issuance of Task Order No. 7 does not change any terms and conditions of the subject contract.

Please indicate your acceptance of Task Order No. 7 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-712, 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, Contracting Officer  
Contract Management Branch No. 2  
Division of Contracts and  
Property Management  
Office of Administration

Enclosure: As stated

Accepted:



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Name R. B. Kalmbach

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Director, Contracts

Title

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April 26, 2000

Date

TASK NO. 07 TITLE: Review "Re-evaluation of the Indoor Resuspension Factor for the Screening Analysis of the Building Occupancy Scenario for NRC's License Termination Rule"

JOB CODE: J5156  
NRC ISSUING OFFICE: NMSS  
NRC PROJECT MANAGER: Jim Shepherd  
NRC TECHNICAL MONITOR: Richard Codell  
DOCKET NO: N/A  
TAC NUMBER: N/A  
FEE RECOVERABLE: NO

### **1.0 Background**

The attached document will provide guidance for evaluation of the decommissioning of buildings contaminated with radioactive material that can become airborne and lead to doses to individuals, primarily through inhalation. The "resuspension factor" (RF) is the primary unknown factor necessary for the evaluation of inhalation doses. The report covers values of RF that would be expected from contaminated buildings, both prior to and after they have been decontaminated. Data on actual sites are sparse, and in many cases collected under less-than-ideal conditions. The authors of the report have used the available data that were considered applicable to provide guidance on RF values that can be used for screening analyses.

### **2.0 Objectives**

- A. Conduct a peer review of the subject document, and assist the staff with comments, corrections and additions.
- B. Review a set of staff comments on the document and assist in the resolution of these comments.

### **3.0 Technical Qualifications Required**

The reviewer(s) should have a working knowledge of radiation surveys, the use of resuspension factors in dose assessments, and statistics.

### **4.0 Level of Effort**

The estimated level of effort for this task is 80 hours (0.04 FTE)

### **5.0 Period of performance**

See task order letter for period of performance.

## **6.0 Scope of Work**

A. For the draft document, the review should answer the following questions:

- Were the data used adequate, with proper caveats, to develop screening values of RF?
- Are the reviewers aware of any other data that might be applicable?
- Were the techniques used to evaluate the data correct?
- Is the presentation clear and understandable by the intended audience?
- Are the values of RF presented suitable for screening, and do they provide high confidence that the true doses will not be greater?

B. For the staff comments:

- The review should consider the 13 major comments in responding to the above questions;
- Assess the merit of each comment; and
- Recommend changes, if any, that need to be made to address each comment

## **7.0 Meetings and Travel**

We expect that no meetings or travel will be required for this task.

## **8.0 NRC-Furnished Material**

- A. Draft NUREG-XXXX, "Re-Evaluation of the Indoor Resuspension Factor for the Screening Analysis of the Building Occupancy Scenario for NRC's License Termination Rule."
- B. Review of Draft NUREG Report-XXXX, "Re-Evaluation of the Indoor Resuspension Factor for the Screening Analysis of the Building Occupancy Scenario for NRC's License Termination Rule."

## **9.0 Schedule for Deliverables**

The Center shall submit to NRC their final peer review comments one month after receipt of the reports referenced in Section 8.0, "NRC-Furnished Material."

## **10.0 Technical Direction**

Technical instructions may be issued from time to time during the duration of this task. Technical instructions shall not constitute new assignments of work or changes of such nature as to justify

an adjustment in cost or period of performance. Directions for change in scope of work, cost, or period of performance shall be coordinated through the NRC Contracting Officer.