



**Department of Energy**  
Germantown, MD 20874-1290

NOV 15 1996

Mr. John Greeves  
Acting Director  
Division of Waste Management  
Office of Nuclear Materials  
Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Greeves:

The U.S. Department of Energy (DOE) has developed the RESidual Radioactivity (RESRAD) computer code for the evaluation of radioactively contaminated sites. Pursuant to the telephone discussions of our staffs, DOE will sponsor two RESRAD training workshops jointly with the U.S. Nuclear Regulatory Commission (NRC), to be held at the NRC computer training facility in Rockville, Maryland. In addition, DOE and NRC will jointly sponsor a training workshop at the NRC computer training facility for the RESRAD-Build computer code.

The purpose of this letter is to confirm the following arrangements for the workshops:

- The workshops will be jointly sponsored by DOE and NRC.
- NRC will furnish the use of its computer training facility without cost to DOE.
- The instruction and workshop materials will be furnished by DOE through Argonne National Laboratory (ANL), under the direction of Dr. Ernesto Faillace.
- Each sponsor will pay the travel costs associated with the travel of its own personnel.
- The workshops will be conducted on February 3-7, 1997, in the 2 White Flint North Building at 11545 Rockville Pike in Rockville, Maryland.
- The first RESRAD workshop will begin at 1:30 p.m. on February 3 and continue all day on February 4. The second RESRAD workshop will begin at 8 a.m. on February 6 and continue until noon on February 7.
- The RESRAD-Build workshop will begin at 8:00 a.m. on February 5 and continue all day.

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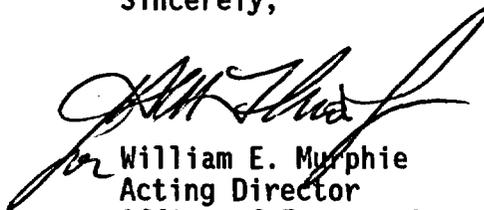
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- The workshops will use code versions developed for the WINDOWS operating system, and attendees should have experience with WINDOWS.
- Attendance at the workshops shall be limited to employees of DOE, NRC, and other Federal, State and local agencies. Contractor personnel may attend provided that their attendance is sponsored by one of the above organizations.
- NRC will furnish travel information for out-of-town attendees. NRC will provide administrative assistance for building access for attendees and training equipment.

I have enclosed an agenda for the workshops for your information and use. If you have any questions, please contact me at 301-903-2328. The point-of-contact on my staff is Dr. W. Alexander Williams (301-903-8149).

Sincerely,



William E. Murphie  
Acting Director  
Office of Eastern Area Programs  
Office of Environmental Restoration

Enclosure

cc: E. Faillace, ANL



# RESRAD-BUILD WORKSHOP

February 5, 1997  
Rockville, MD

|                |                                      |          |
|----------------|--------------------------------------|----------|
| 8:00-8:20 AM   | Opening Remarks                      | Williams |
| 8:20-8:40 AM   | RESRAD-BUILD Overview                | Faillace |
| 8:40-9:25 AM   | RESRAD-BUILD Input Demonstration     | LePoire  |
| 9:25-9:45 AM   | RESRAD-BUILD Output Demonstration    | LePoire  |
| 9:45-10:00 AM  | Break                                |          |
| 10:00-11:00 AM | Hands-on Experience                  |          |
| 11:00-11:30 AM | RESRAD-BUILD Methodology             | Faillace |
| 11:30-1:00 PM  | Lunch                                |          |
| 1:00-1:30 PM   | RESRAD-BUILD Methodology (continued) | Faillace |
| 1:30-2:00 PM   | Advanced Features Demonstration      | LePoire  |
| 2:00-3:00 PM   | Hands-on Experience                  |          |
| 3:00-3:15 PM   | Break                                |          |
| 3:15-3:30 PM   | Input Data Requirements - An Example | Faillace |
| 3:30-3:40 PM   | Problem Solving Techniques           | LePoire  |
| 3:40-4:20 PM   | Hands-on Experience                  |          |
| 4:20-4:25 PM   | Verification and Validation          | LePoire  |
| 4:25-4:30 PM   | Course Evaluation                    |          |



# RESRAD WORKSHOP

February 3-4, 1997  
Rockville, MD

## February 3

|              |                             |          |
|--------------|-----------------------------|----------|
| 1:30-1:50 PM | Opening Remarks             | Williams |
| 1:50-2:15 PM | Overview of RESRAD          | Faillace |
| 2:15-3:15 PM | RESRAD Input Demonstration  | LePoire  |
| 3:15-3:30 PM | Break                       |          |
| 3:30-3:45 PM | RESRAD Output Demonstration | LePoire  |
| 3:45-4:30 PM | Hands-on Experience         |          |

## February 4

|                |                                       |                           |
|----------------|---------------------------------------|---------------------------|
| 8:00-8:30 AM   | RESRAD Methodology                    | Faillace                  |
| 8:30-9:15 AM   | Hands-on Experience                   |                           |
| 9:15-10:00 AM  | RESRAD Methodology (continued)        | Faillace                  |
| 10:00-10:15 AM | Break                                 |                           |
| 10:15-10:45 AM | RESRAD Data Requirements              | LePoire                   |
| 10:45-11:30 AM | Hands-on Experience                   |                           |
| 11:30-1:00 PM  | Lunch                                 |                           |
| 1:00-1:30 PM   | RESRAD Sensitivity Analysis           | Faillace                  |
| 1:30-2:30 PM   | Hands-on Experience                   |                           |
| 2:30-3:15 PM   | Problem Solving - An Example          | Faillace/Williams/LePoire |
| 3:15-3:30 PM   | Break                                 |                           |
| 3:30-3:45 PM   | RESRAD Verification and Validation    | Faillace                  |
| 3:45-4:30 PM   | Hands-on Experience/Course Evaluation |                           |



# RESRAD WORKSHOP

February 6-7, 1997  
Rockville, MD

## February 6

|                |                                |          |
|----------------|--------------------------------|----------|
| 8:00-8:20 AM   | Opening Remarks                | Williams |
| 8:20-8:45 AM   | Overview of RESRAD             | Faillace |
| 8:45-9:45 AM   | RESRAD Input Demonstration     | LePoire  |
| 9:45-10:00 AM  | Break                          |          |
| 10:00-10:15 AM | RESRAD Output Demonstration    | LePoire  |
| 10:15-11:30 AM | Hands-on Experience            |          |
| 11:30-1:00 PM  | Lunch                          |          |
| 1:00-1:30 PM   | RESRAD Methodology             | Faillace |
| 1:30-2:15 PM   | Hands-on Experience            |          |
| 2:15-3:00 PM   | RESRAD Methodology (continued) | Faillace |
| 3:00-3:15 PM   | Break                          |          |
| 3:15-3:45 PM   | RESRAD Data Requirements       | LePoire  |
| 3:45-4:30 PM   | Hands-on Experience            |          |

## February 7

|                |                                       |                           |
|----------------|---------------------------------------|---------------------------|
| 8:00-8:30 AM   | RESRAD Sensitivity Analysis           | Faillace                  |
| 8:30-9:30 AM   | Hands-on Experience                   |                           |
| 9:30-10:15 AM  | Problem Solving - An Example          | Faillace/Williams/LePoire |
| 10:15-10:30 AM | Break                                 |                           |
| 10:30-10:45 AM | RESRAD Verification and Validation    | Faillace                  |
| 10:45-12:00 AM | Hands-on Experience/Course Evaluation |                           |