



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

(FSME-07-029, March, Training, MARSSIM Course, H-121)

March 22, 2007

ALL AGREEMENT STATES, NEW JERSEY, PENNSYLVANIA, VIRGINIA

ACCEPTANCE TO THE MARSSIM COURSE (H-121) (FSME-07-029)

Enclosure 1 is the list of students from the States selected to attend the May 1-3, 2007, Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) course (H-121). Please provide the list of students and the instructions (Enclosure 2) to each individual from your program who is on the list. States with students attending this course have agreed to pay travel expenses, and, where designated, the tuition. To cover the tuition expenses, each State should submit a purchase order or equivalent document, to the U.S. Nuclear Regulatory Commission (NRC), to the *following* address:

U.S. Nuclear Regulatory Commission
Attn: Gina Jones
Office of the Chief Financial Officer
Mail Stop T9E10
Washington, DC 20555

The NRC will, in turn, issue you a bill (invoice). If for any reason your attendee is unable to attend, please submit to us a written purchase order, or equivalent, to cancel, prior to the starting date of the course. Course attendees should be encouraged to make travel and lodging arrangements as soon as possible.

We ask that you inform us of any cancellations 30 days prior to the course starting date. This will assist us in ensuring that States with candidates on waiting lists have an opportunity to fill vacated slots that may open up after our course acceptance letters have been sent to you.

If you have any questions regarding this correspondence, please contact me or the individual named below.

POINT OF CONTACT: Brenda G. Usilton
TELEPHONE: (301) 415-2348

INTERNET: BGU@NRC.GOV
FAX: (301) 415-3502

/RA/

Janet R. Schlueter, Director
Division of Materials Safety and State Agreements
Office of Federal and State Materials
and Environmental Management Programs

Enclosures:
As stated

STATE PARTICIPANT LIST FOR
MULTI-AGENCY RADIATION SURVEY AND SITE
INVESTIGATION MANUAL (MARSSIM) (H-121)
MAY 1-3, 2007
BETHESDA, MARYLAND

STATE	PARTICIPANT(S)	PAYING TUITION/ SPACE AVAILABLE
OREGON Oregon Health Services Department of Human Services 800 NE Oregon Street, Suite 260 Portland, OR 97232-2162	Justin Spence	Paying Tuition

INSTRUCTIONS TO STUDENTS

ACCEPTANCE: This is to advise you that those individuals in Enclosure 1 have been accepted for participation in the training course (H-121), "Multi-agency Radiation Survey and Site Investigation Manual (MARSSIM)." This course is scheduled to be presented May 1-3, 2007 at 7201 Wisconsin Avenue, Suite 425, in Bethesda, Maryland. We suggest you stay at a hotel on the metro line for your convenience. The new Professional Development Center is 3.5 blocks from the Bethesda Metro stop.

COURSE: The course will be conducted beginning on May 1, 2007 at 8:00 a.m. and end on Thursday, May 3, 2007 at 4:00 p.m. A course outline is attached as Enclosure 3. Students should bring an engineering or scientific calculator with them.

LODGING AND TRAVEL: Below is a list of hotels in the Rockville, Maryland area. You should plan to arrive on Monday, April 30, 2007 and depart on late Thursday, May 3, 2007 or Friday, May 4, 2007. Participants must make their own lodging arrangements. Individuals should request a State or government employee rate at the hotels.

Non-NRC attendees should allow sufficient time to process through security screening upon arrival at the training facility. A picture ID or some other form of ID is required.

Close by hotels are: Hyatt Regency Hotel
7400 Wisconsin Ave
Bethesda, MD 20814
(301) 657-1234
*Near Bethesda Metro Station

Residence Inn
7335 Wisconsin Ave.
Bethesda, MD 20814
(301) 718-0200
1-800-331-3131
*Across from Bethesda Metro Station

COURSE OUTLINE
Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) Course
(H-121)
HQ
May 1-3, 2007

<u>DATE</u>	<u>TIME</u>	<u>TOPIC</u>
<u>Tuesday</u>		
05/01/07	8:00 am	Welcome, Registration, and Orientation
	9:00 am	MARSSIM Overview
	11:00 am	Overview of Radiological Survey Types in Support of Decommissioning-historical Site Assessment Process, Scoping, Characterization, Final Status Surveys
	12:00 noon	Lunch
	1:00 pm	Selection and Application of DCGLS
	2:30 pm	Selection of Background Reference Areas

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<u>DATE</u>	<u>TIME</u>	<u>TOPIC</u>
<u>Wednesday</u>		
05/02/07	8:00 am	Detection Sensitivity of Survey Instrumentation-Static and Scan MDCs
	10:30 am	Classification of Areas by Contamination Potential and Identification of Survey Units
	12:00 noon	Lunch
	1:00 pm	Statistical Design of Final Status Survey-Wilcox on Rank Sum and Sign Tests; Hot Spot Considerations; Determining Survey Unit Locations
	2:30 pm	Class Exercise: Statistical Survey Design for Thorium-contaminated Site

<u>DATE</u>	<u>TIME</u>	<u>TOPIC</u>
<u>Thursday</u> 05/03/07	8:00 am	Integrated Final Status Survey - Survey Activities; Survey Coverage by Area Classification; Investigation Levels
	10:00 am	Data Quality Assessment - Evaluating Data Set from Class Exercise
	12:00 noon	Lunch
	1:00 pm	Data Quality Assessment (Cont.) - Performing Statistical Tests and Elevated Measurement Comparisons; Power Curves
	2:30 pm	Final Survey Reports
	3:00 pm	Summary: Taking Advantage of Flexibility Offered by MARSSIM
	4:00 pm	Adjourn

INSTRUCTORS: Eric Abelquist and Paul Frame, ORISE