

February 25, 2000

ALL AGREEMENT STATES  
MINNESOTA, OKLAHOMA, PENNSYLVANIA, WISCONSIN

**TRAINING COURSE INFORMATION: ACCEPTANCE TO THE MARSSIM COURSE (H-121)  
(SP-00-016)**

Enclosure 1 is the list of students from the States selected to attend the April 18-20, 2000, 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, payable to the U.S. Nuclear Regulatory Commission, to the *following* address:

U.S. Nuclear Regulatory Commission  
Office of the Chief Financial Officer  
Attn: Leah P. Tremper  
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. If for any reason a candidate is unable to attend, please contact us as soon as possible, so that alternative arrangements can be made.

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

POINT OF CONTACT: Brenda G. Usilton INTERNET: [BGU@NRC.GOV](mailto:BGU@NRC.GOV)  
TELEPHONE: (301) 415-2348 FAX: (301) 415-3502

***/RA/***

Frederick C. Combs, Deputy Director  
Office of State Programs

Enclosures:  
As stated

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OFFICE	OSP	OSP:DD					
NAME	BGUsilton:kk	FCombs					
DATE	02/25/2000	02/25/2000					

OSP FILE CODE:SP-A-4; SP-T-3

STATE PARTICIPANT LIST FOR  
 MULTI-AGENCY RADIATION SURVEY AND SITE  
 INVESTIGATION MANUAL (MARSSIM) (H-121)  
 APRIL 18-20, 2000

STATE	PARTICIPANT(S)	PAYING TUITION/ SPACE AVAILABLE
<b>ARIZONA</b> Arizona Radiation Regulatory Agency 4814 South 40th Street Phoenix, AZ 85040	1. JOHN NEAL 2. GARY FREELAND	1. PAYING TUITION 2. PAYING TUITION
<b>CALIFORNIA</b> Radiologic Health Branch Division of Food, Drug & Radiation Safety California Department of Health Services P.O. Box 942732 Sacramento, CA 94234-7320	1. GARY BUTNER	1. PAYING TUITION
<b>PENNSYLVANIA</b> Bureau of Radiation Protection Department of Environmental Protection Rachel Carson State Office Building P.O. Box 8469 Harrisburg, PA 17105-8469	1. JAMES KOPENHAVER 2. ROBERT MAIERS 3. ANDREW GARDISIK	1. PAYING TUITION 2. PAYING TUITION 3. SPACE AVAILABLE
<b>TEXAS - TNRCC</b> UIC and Radioactive Waste Section Texas Natural Resource Conservation Commission P.O. Box 13087, MC 131 Austin, TX 78711-3087	1. JIM SHROFF 2. BOB BELECKIS	1. PAYING TUITION 2. 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 April 18-20, 2000 in Room T-3-B15 at the NRC Professional Development Center, Two White Flint North Building, 11545 Rockville Pike, Rockville, Maryland 20852.

**COURSE:** The course will be conducted beginning at 8:00 a.m. and end at 4:00 p.m. each day. A course outline is attached. Students should bring an engineering or scientific calculator with them.

**LODGING AND TRAVEL:** Below is a list of motels and hotels in the Rockville area. You should plan to arrive on Monday April 17, 2000 and depart on late Thursday, April 20, 2000 or Friday, April 21, 2000. Participants must make their own lodging arrangements. Individuals should request a State or government employee rate at the hotels.

Close by hotels are:	Ramada Inn	(800) 255-1775
	1775 Rockville Pike	(301) 881-2300
	Rockville, MD	
	Doubletree Hotel	(800) 222-8733
	1750 Rockville Pike	(301) 468-1100
	Rockville, MD	
	Bridgestreet Accommodations	(800) 776-5057
	Across the Street from NRC	Salesperson - Jim Lee

ENCLOSURE 2

## COURSE OUTLINE

### Multi-agency Radiation Survey and Site Investigation Manual (MARSSIM) Course (H-121)

April 18-20, 2000

<u>DATE</u>	<u>TIME</u>	<u>TOPIC</u>
Tuesday 04/18/00	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> 04/19/00	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

## COURSE OUTLINE

### Multi-agency Radiation Survey and Site Investigation Manual (MARSSIM) Course (H-121)

<b><u>DATE</u></b>	<b><u>TIME</u></b>	<b><u>TOPIC</u></b>
<b><u>Thursday</u></b> 04/20/00	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