



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

April 2, 2002

ALL AGREEMENT STATES  
MINNESOTA, PENNSYLVANIA, WISCONSIN

**TRAINING COURSE INFORMATION: ACCEPTANCE TO THE MARSSIM COURSE (H-121)  
(STP-02-026)**

Enclosure 1 is the list of students from the States selected to attend the May 7-9, 2002, 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, to the *following* address:

Office of the Chief Financial Officer  
Attn: Leah P. Tremper  
U.S. Nuclear Regulatory Commission  
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.

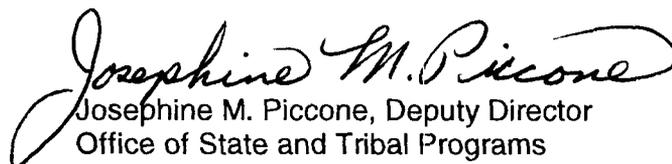
To assist us and other States, and to help ensure that States with candidates on waiting lists will have an opportunity to fill vacated slots that may open up after our course acceptance letters have been sent to you, we ask that you inform us of any cancellations 30 days prior to the course starting date.

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

POINT OF CONTACT:  
TELEPHONE

Brenda G. Usilton  
(301) 415-2348

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

  
Josephine M. Piccone, Deputy Director  
Office of State and Tribal Programs

Enclosures:  
As stated

STP-02-026

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OFFICE	STP	STP:DD							
NAME	BG Usilton	JM Piccone							
DATE	04/2/02	04/2/02							

*Out*

STATE PARTICIPANT LIST FOR  
 MULTI-AGENCY RADIATION SURVEY AND SITE  
 INVESTIGATION MANUAL (MARSSIM) (H-121)  
 MAY 7-9, 2002

STATE	PARTICIPANT(S)	PAYING TUITION/ SPACE AVAILABLE
<b>MASSACHUSETTS</b>  Radiation Control Program Department of Public Health 174 Portland Street, 5 <sup>th</sup> Floor Boston, MA 02114	1. Cynthia Tozian	1. Space Available
<b>MINNESOTA</b>  Section of Asbestos, Indoor Air, Lead and Radiation Div. of Environmental Health, Department of Health 121 E. Seventh Place, Suite 220 St. Paul, MN 55164-0975	1. Tim Donakowski 2. John Goepferd 3. Craig Verke	1. Space Available 2. Space Available 3. Space Available
<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. Larry Chang 2. Jeffrey Whitehead	1. Paying Tuition 2. Paying Tuition
<b>TEXAS - BRC</b>  Bureau of Radiation Control Texas Department of Health 1100 West 49th Street Austin, TX 78756-3189	1. Gene Forrer	1. 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 7-9, 2002 at the NRC Professional Development Center, Two White Flint North, 11545 Rockville Pike, Rockville, Maryland 20852, Room T-3-B41.

**COURSE:** The course will be conducted beginning Tuesday, May 7, 2002 at 8:00 a.m. and ending on Thursday, May 9, 2002 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, May 6, 2002 and depart on late Thursday, May 9, 2002 or Friday, May 10, 2002. Participants must make their own lodging arrangements. Individuals should request a State or government employee rate at the hotels.

### Hotel Accommodations in the Rockville, Maryland Area

Ramada Inn 1775 Rockville Pike	(800) 255-1775 (301) 881-2300
Doubletree Hotel 1750 Rockville Pike	(800) 222-8733 (301) 468-1100
Bridgestreet Accommodations (right across the street from NRC's One White Flint North Building)	(800) 776-5057

**COURSE OUTLINE**  
**Multi-Agency Radiation Survey and**  
**Site Investigation Manual (MARSSIM) Course (H-121)**  
**May 7-9, 2002**

<u>DATE</u>	<u>TIME</u>	<u>TOPIC</u>
<b><u>Tuesday</u></b>		
05/7/02	8:00am	Welcome, Registration, and Orientation
	9:00am	MARSSIM Overview
	11:00am	Overview of Radiological Survey Types in Support of Decommissioning-historical Site Assessment Process Scoping, Characterization, Final Status Surveys
	12:00 noon	Lunch
	1:00pm	Selection and Application of DCGLS
	2:30pm	Selection of Background Reference Areas
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<b><u>Wednesday</u></b>		
05/8/02	8:00am	Detection Sensitivity of Survey Instrumentation- Static and Scan MDCs
	10:30am	Classification of Areas by Contamination Potential and Identification of Survey Units
	12:00 noon	Lunch
	1:00pm	Statistical Design of Final Status Survey-Wilcox on Rank Sum and Sign Tests; Hot Spot Considerations; Determining Survey Unit Locations
	2:30pm	Class Exercise: Statistical Survey Design for Thorium- contamination Site

**Thursday**

05/9/02

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

**INSTRUCTORS:** Tim Bitkus and Paul Fram, ORISE