

March 30, 2006

ALL AGREEMENT STATES, PENNSYLVANIA, VIRGINIA

**ACCEPTANCE TO THE MARSSIM COURSE (H-121) (STP-06-027)**

Enclosure 1 is the list of students from the States selected to attend the May 2-4, 2006, 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: Leah P. Tremper  
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 a student has any special needs, please advise us as soon as possible so that we may arrange to accommodate these needs prior to arrival at the training site.

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

**/RA by Dennis Sollengerger for/**  
Dennis K. Rathbun, Deputy Director  
Office of State and Tribal Programs

Enclosures:  
As stated

OSP-06-027

March 30, 2006

Distribution:

DIR RF DCD (SP03)

RReed, TTD

JPatterson, TTD

**SISP Review Complete**

: Publicly Available ☐ Non-Publicly Available

: Non-Sensitive ☐ Sensitive

**DOCUMENT NAME: G:\BGU\H121course.wpd**

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	STP		STP:DD					
NAME	BGUsilton:		DMSollenberger for DKRathbun					
DATE	03/30/06		03/30/06					

**OFFICIAL RECORD COPY**

STATE PARTICIPANT LIST FOR  
MULTI-AGENCY RADIATION SURVEY AND SITE  
INVESTIGATION MANUAL (MARSSIM) (H-121)  
MAY 2-4 2006  
ROCKVILLE, MARYLAND

STATE	PARTICIPANT(S)	PAYING TUITION/ SPACE AVAILABLE
<b>ALABAMA</b>	Bridget Stephens	Paying Tuition
<b>PENNSYLVANIA</b>  Bureau of Radiation Protection Pennsylvania Department of Environmental Protection Rachel Carson State Office Building P.O. Box 8469 Harrisburg, PA 17105-8469	John Chipppo Tonda Lewis Christopher Ott	Paying Tuition Paying Tuition Paying Tuition
<b>TENNESSEE</b>  Tennessee Department of Environment and Conservation 3 <sup>rd</sup> Floor, L&C Annex 401 Church Street	Roger Fenner	Paying Tuition
<b>TEXAS</b>  Texas Department of Health 1100 West 49th Street Austin, TX 78756-3189	Abra Paul Sanford	Paying Tuition
<b>WASHINGTON</b>  Washington Department of Health 7171 Cleanwater Lane, Building 5 P.O. Box 47827 Olympia, WA 98504-7827	Victoria Dix	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 2-4, 2006 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 on May 2, 2006 at 8:00 a.m. and end on Thursday, May 4, 2006 at 4:00 p.m. A course outline is included 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 1, 2006 and depart late on Thursday, May 4, 2006 or Friday, May 5, 2006. 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 TWFN. A picture ID or some other form of ID is required.

Close by hotels are:	Ramada Inn	(800) 255-1775
	1775 Rockville Pike	(301) 881-2300
	Doubletree Hotel	(800) 222-8733
	1750 Rockville Pike	(301) 468-1100
	Bridge Street Accommodations	(800) 776-5057
	(Right across the street from One White Flint Building)	
	Bethesda North Marriott Hotel	(800) 858-8003
	5701 Marinelli Road	(301) 822-9200
	North Bethesda, MD 20852	

## **COURSE OUTLINE**

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

**HQ**

**May 2- 4, 2006**

<b><u>DATE</u></b>	<b><u>TIME</u></b>	<b><u>TOPIC</u></b>
<b><u>Tuesday</u></b>		
05/02/06	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
<hr/>		
<b><u>Wednesday</u></b>		
05/03/06	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
<hr/>		

## **COURSE OUTLINE**

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

**HQ**

**May 2- 4, 2006**

<b><u>DATE</u></b>	<b><u>TIME</u></b>	<b><u>TOPIC</u></b>
<b><u>Thursday</u></b>		
05/04/06	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