



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

(FSME-10-026, March, Training, H-121)

March 26, 2010

ALL AGREEMENT STATES, MICHIGAN

**ACCEPTANCE TO THE MARSSIM COURSE (H-121) (FSME-10-026)**

**Purpose:** To provide the list of students selected for the NRC MARSSIM Course.

**Background:** NRC provides the list of students and instructions to the States to help ensure that States with candidates on waiting lists will have an opportunity to fill vacated slots that may open up after this notification letter has been sent.

**Discussion:** Enclosure 1 is the list of students from the States selected to attend the May 24-28, 2010. This course is to be held in Orlando, Florida. Please provide the list of students and the instructions (Enclosure 2) to each individual from your program that is on the list. Students attending this course will be paid lodging and per diem. Students should make their travel arrangements through Carlson Wagonlit Travel at 1-866-250-2160 immediately and then submit their travel information needed for NRC to issue their travel authorization. Please go to the following website to download the Travel Application Form <http://nrc-stp.ornl.gov/training.html> and then send it to [Brenda.Usilton@nrc.gov](mailto:Brenda.Usilton@nrc.gov) or fax it to 301-415-3502.

We ask that you inform us of any cancellations 30 days prior to the course starting date or as soon as you are aware that you cannot attend.\*

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\*This information request has been approved by OMB 3150-0029, expiration 08/31/2010. The estimated burden per response to comply with this voluntary collection is approximately 8 hours. Send comments regarding the burden estimate to the Records and FOIA/Privacy Services Branch (T-5F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to [infocollects@nrc.gov](mailto:infocollects@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0029), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

If you have any questions regarding this correspondence, please contact me at 301-415-3340 or the individual named below.

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

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

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Robert J. Lewis, Director  
Materials Safety and State Agreements  
Office of Federal and State Materials  
and Environmental Management Programs

Enclosures:  
As stated

AGREEMENT STATE STUDENT LIST FOR THE  
MULTI-AGENCY RADIATION SURVEY AND SITE  
INVESTIGATION MANUAL (MARSSIM) (H-121)  
ORLANDO, FLORIDA  
MAY 24-28, 2010

STATE	PARTICIPANT(S)
CALIFORNIA Dept. of Health Services P.O. Box 997414, MS-7610 Sacramento, CA 95899-7414	Delia Aquino
FLORIDA Dept. of Health 4052 Bald Cypress Way, Bin C21 Tallahassee, FL 32399-1741	Dan Borek Jose Guadix Robert Knecht Paul Pavlick Tristan Timm David Whitman
KANSAS Dept. of health & environment Bureau of Air and Radiation 1000 SW Jackson, Suite 310 Topeka, KS 66612-1366	Isabelle Busenitz
OKLAHOMA Dept. of Environmental Quality Radiation Management Section P.O. Box 1677 Oklahoma City, OK 73101-1677	John Flynn
OREGON Dept. of Human Services 800 NE Oregon Street, Suite 640 Portland, OR 97232-2162	Daryl Leon
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY Radioactive Materials Division MC 233 P.O. Box 13087 Austin, TX 78711-3087	Muhammadali Abbaszadeh
UTAH Dept. of Environmental Quality 168 North 1950 West P.O. Box 144850 Salt Lake City, UT 84114-4850	Mario Bettolo

## 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 24-28, 2010 at the Embassy Suites Lake Buena Vista, 8100 Lake Street, Orlando, FL 32835, phone is (407) 239-1144..

**COURSE:** This course will be conducted beginning at 8:00 a.m. and end at 5:00 p.m. each day except for Friday May 28, 2010, when the class is scheduled to end at 12:00 noon.

**LODGING AND TRAVEL:** You should plan to arrive on Sunday, May 23, 2010, and depart on Friday, May 28, 2010. Participants must make their own travel arrangements. A block of rooms have been reserved at the Embassy Suites Lake Buena Vista. When making a reservation please ask for the Group Contract Code "FDH" (Florida Department of Health). The per diem for the area is \$108 for lodging, \$56 for meals and incidents, not to exceed \$164. However, your per diem will be reduced because the hotel is going to provide complimentary breakfast and lunch each day. You will need to subtract \$9.00 for breakfast and \$13.00 for lunch. If traveling by air, you need to contact Carlson Travel at 1-866-250-2160 for airline reservations. Please complete the Travel Application Form which is located at <http://nrc-stp.ornl.gov/training.html>. You can also go to the same website to receive a copy of the travel instructions and voucher for reimbursement. Please return the travel form to Brenda Usilton by email or fax (301) 415-3502. If you have any questions regarding the form contact Brenda Usilton at [Brenda.Usilton@nrc.gov](mailto:Brenda.Usilton@nrc.gov) or 301-415-2348. A tentative outline for the course (Enclosure 3) is attached.

Cellular phones and similar devices with audible capability should be disabled while classes are in session. Normal office/business attire is appropriate for students attending TTC courses. Students should bring an engineering or scientific calculator with them. If you have a student training manual that you need to ship back to your office we will cover the expense on your travel voucher.

**COURSE OUTLINE**  
**Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)**  
**May 24-28, 2010 – Orlando, Florida**

<b>DATE</b>	<b>TIME</b>	<b>TOPIC</b>
Monday	8:15 AM	Welcome, Registration, Orientation
May 24	9:30 AM	INTRODUCTION
	10:00 AM	MARSSIM OVERVIEW
	12:00 N	Lunch
	1:00 PM	MARSSIM OVERVIEW cont'd
	3:00 PM	SELECTION AND APPLICATION OF DCGLs
Tuesday	8:15 AM	DandD, RESRAD, RESRAD Build, VSP
May 25	10:00 AM	Problem Session: DCGLS
	12:00 N	Lunch
	1:00 PM	AREA CLASSIFICATION BY CONTAMINATION POTENTIAL & IDENTIFICATION OF SURVEY UNITS
	2:30 PM	SELECTION OF BACKGROUND REFERENCE AREAS
Wednesday	8:15 AM	Electronic Resources
May 26	9:00 AM	OVERVIEW OF RADIOLOGICAL SURVEY TYPES IN SUPPORT OF DECOMMISSIONING-HISTORICAL SITE ASSESSMENT PROCESS, SCOPING, CHARACTERIZATION, FINAL STATUS SURVEYS
	10:00 AM	DETECTION SENSITIVITY OF SURVEY INSTRUMENTATION-STATIC AND SCAN MDCs
	12:00 N	Lunch
	1:00 PM	STATISTICAL DESIGN OF FINAL STATUS SURVEY- WILCOXON RANK SUM AND SIGN TESTS; HOT SPOT CONSIDERATIONS; DETERMINING SURVEY UNIT LOCATIONS
	3:00 PM	INTEGRATED FINAL STATUS SURVEY
Thursday	8:15 AM	CLASS EXERCISE: STATISTICAL SURVEY DESIGN EXAMPLES
May 27	10:30 AM	THE MARSAME and TRIAD METHODOLOGIES FRAME
	12:00 N	Lunch
	1:00 PM	DATA QUALITY ASSESSMENT- EVALUATING AN EXAMPLE SET
	3:00 PM	DATA QUALITY ASSESSMENT- PERFORMING STATISTICAL TESTS AND ELEVATED MEASUREMENT COMPARISONS; POWER CURVES
Friday	8:15 AM	INDISTINGUISHABLE FROM BACKGROUND
May 28	10:30 AM	FINAL SURVEY REPORTS
	11:00 AM	SUMMARY: TAKING ADVANTAGE OF FLEXIBILITY OFFERED BY MARSSIM
	11:30 AM	Critique/course evaluation
	12:00 N	Adjourn
INSTRUCTORS: Bernhardt and Paul Frame, ORISE		