

January 4, 2007

ALL AGREEMENT STATES, NEW JERSEY, PENNSYLVANIA, VIRGINIA

**ACCEPTANCE TO THE BASIC HEALTH PHYSICS TECHNOLOGY COURSE (H-122)
(FSME-07-001)**

Enclosure 1 is the list of students from the States selected to attend the February 5-16, 2007, Basic Health Physics Technology Course (H-122). 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 expense, 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 T9 E10
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

FSME-07-

Distribution:

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OFFICE	FSME/DMSSA		FSME/DMSSA:D						
NAME	BGUsilton:kk		JRSchlueter						
DATE	01/3/07		01/4/07						

OFFICIAL RECORD COPY

LIST OF ATTENDEES FOR THE
 BASIC HEALTH PHYSICS COURSE (H-122)
 FEBRUARY 5-16, 2007
 OAK RIDGE, TENNESSEE

STATE	PARTICIPANT(S)	PAYING TUITION/ SPACE AVAILABLE
ARKANSAS Division of Radiation Control & Emergency Management Arkansas Department of Health 4815 West Markham Street, Slot 30 Little Rock, AR 72205-3867	Katia Gray Robert Pemberton	Space Available Paying Tuition
CALIFORNIA Division of Food, Drug & Radiation Safety California Department of Health Services P.O. Box 997414 Sacramento, CA 95899-7414	Emir Cruz Narendra Khilnani Debra Vail	Paying Tuition Paying Tuition Paying Tuition
COLORADO Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246-1530	Edgar Ethington	Paying Tuition
MARYLAND Air and Radiation Management Administration Maryland Department of the Environment 1800 Washington Blvd., Suite 750 Baltimore, MD 21230-1724	Tiffany Greenwood	Paying Tuition
NEVADA Nevada State Health Division, 1179 Fairview Drive, Suite 201 Carson City, NV. 89701-5405	David Friedman	Paying Tuition
TENNESSEE Division of Radiological Health Tennessee Department of Environment and Conservation 3 rd Floor, L&C Annex 401 Church Street Nashville, TN 37243-1532	Stephanie Cochran Angie Morris	Space Available Space Available
UTAH Division of Radiation Control Utah Dept. Of Environmental Quality 168 North 1950 West P.O. Box 144850 Salt Lake City, UT 84114-4810	Mario Bettolo	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-122), "Basic Health Physics Technology." This course is scheduled to be presented February 5-16, 2007 at the Oak Ridge Institute for Science and Education (ORISE) training center on Laboratory Road, Oak Ridge, Tennessee. Attached is a course outline for persons scheduled to attend (Enclosure 3).

COURSE: The course will be conducted beginning at 8:00 a.m. and end at 4:00 p.m. each day except for Friday, February 16, 2006, classes are scheduled to be completed at 3:00 p.m. Students should bring an engineering or scientific calculator with them.

LODGING: Participants must make their own lodging and travel arrangements. The following hotels are listed for your convenience. Individuals should request a State or government employee rate at the hotels.

Comfort Inn
433 South Rutgers Avenue
Oak Ridge, TN
(423) 481-8200
1-800-221-2222

Garden Plaza Hotel
215 South Illinois Avenue
Oak Ridge, TN
(423) 481-2468
1-800-3GARDEN

Tentative Course Outline
Basic Health Physics Technology
February 5-16, 2007

First Week

DATE	TIME	TOPIC	INSTRUCTOR(S)	LOCATION
Monday, February 5	8:00 AM	Registration, Orientation and Photo Staff	W-14/W-13	
	9:00 AM	INTRODUCTION TO RADIOACTIVITY	Frame	W-14
	12:00 Noon	Lunch and Welcome		
	1:00 PM	INTERACTIONS OF RADIATION WITH MATTER	Thomas	W-14
	3:00 PM	RADIATION SAFETY PRINCIPLES	Thomas	W-14
	4:00 PM	Practice Test	Worthington	
Tuesday, February 6	8:00 AM	RADIATION SAFETY PRINCIPLES (Cont'd)	Thomas	W-14
	9:00 AM	RADIATION QUANTITIES AND UNITS	Frame	W-14
	12:00 Noon	Lunch		
	1:00 PM	BIOLOGICAL EFFECTS OF RADIATION	Frame	W-14
	2:30 PM	Demonstration: Cloud Chamber, Lab: GM Detectors (GM-100, 103, 105, 106)	Bernhardt/Worthington	W-4
Wednesday, February 7	8:00 AM	INSTRUMENT OVERVIEW – Gas detectors, scintillation detectors, semiconductor detectors	Frame	W-14
	11:00 AM	SURVEY INSTRUMENTS	Frame	W-14
	12:00 Noon	Lunch (review at 12:15 PM in C-1)		
	1:00 PM	Lab: Survey Instruments I (SI-100, 100.1, 102)	Thomas	W-15
	2:45 PM	Lab: Survey Instruments II (SI-101, 103)	Thomas	W-15
	4:00 PM	Test		
Thursday, February 8	8:00 AM	NATURAL BACKGROUND RADIATION	Bernhardt	C-1
	9:30 AM	INSTRUMENT CALIBRATION	Frame	C-1
	11:00 AM	CONTAMINATION SURVEYS	Bernhardt	C-1
	12:00 Noon	Lunch		
	1:00 PM	Lab: Survey Instrument Calibration (SI-106)	Bernhardt/Worthington	W-15
	2:30 PM	Lab: Walkover Survey – NaI detectors	Bernhardt/Worthington	W-15
	3:30 PM	Lab: Floor Monitoring – Gas Flow Proportional	Bernhardt/Worthington	W-15
Friday, February 9	8:00 AM	REGULATIONS and REGULATORY GUIDANCE	Thomas	C-1
	10:00 AM	Lab: Ion Exchange (RC-102)	Thomas/Bernhardt	W-19
	12:00 Noon	Lunch (review at 12:15 PM in C-1)		
	1:00 PM	Lab: Contamination Surveys (ST-102)	Bernhardt/Thomas	W-19
	2:00 PM	COUNTING STATISTICS	Thomas	C-1
	3:00 PM	Lab: Counting Statistics (S-102)	Thomas/Worthington	W-15
	4:00 PM	Test	Worthington	

ENCLOSURE 3

February 5-16, 2007

Second Week

DATE	TIME	TOPIC	INSTRUCTOR(S)	LOCATION
Monday, February 12	8:00 AM	EXTERNAL DOSIMETRY AND PERSONNEL MONITORING	Thomas	C-1
	10:00 AM	BIOASSAY	Toohey	C-1
	12:00 Noon	Lunch		
	2:30 PM	Lab: Gamma Spectroscopy II (GE-100, 101.1, 103)	Thomas/Bernhardt	W-15
Tuesday, February 13	8:00 AM	NEUTRON SOURCES, INTERACTIONS AND DETECTION	Frame	C-1
	10:00 AM	NEUTRON ACTIVATION	Frame	C-1
	11:00 AM	THERMOLUMINESCENT AND OSL	Frame	C-1
	12:00 Noon	Lunch		
	1:00 PM	Lab: Activation Analysis (NAA-103)	Thomas/Worthington	W-15
	2:30 PM	Lab: TLD Systems (TLD-100, 102,103)	Thomas/Worthington	W-15
Wednesday, February 14	8:00 AM	RADIATION SHIELDING	Thomas	C-1
	10:00 AM	Lab: Shielding	Thomas/Worthington	C-1
	11:00 AM	AIR SAMPLING	Frame	C-1
	12:00 Noon	Lunch (review at 12:15 PM in C-1)		
	1:00 PM	AIR SAMPLING continued	Frame	C-1
	2:00 PM	Lab: Air Sampling (AS-105)	Frame/Worthington	W-1
	4:00 PM	Test	Worthington	
Thursday, February 15	8:00 AM	RESPIRATORY PROTECTION	Frame	C-1
	9:00 AM	Lab: Protective Clothing	Bernhardt	W-15-C
	10:30 AM	ENVIRONMENTAL TRANSPORT MODELING	Frame	C-1
	12:00 Noon	Lunch		
	1:00 PM	RADIOACTIVE WASTE	Frame	C-1
	2:00 PM	LIQUID SCINTILLATION COUNTING	Frame	C-1
	3:00 PM	Lab: LSC	Bernhardt, Worthington	W-15
Friday, February 16	8:00 AM	MEDICAL USES OF RADIATION	Thomas	C-1
	9:00 AM	REAL-WORLD LICENSEE ISSUES Power Reactors; Fuel Cycle Licensees; Industrial Uses: Academic Users; Decommissioning Uranium Recovery Facilities; Waste Disposal Sites	Staff	C-1
	12:00 Noon	Lunch (review at 12:15 PM in C-1)		
	1:00 PM	CURRENT TOPICS - Issues, events, accidents	Thomas	C-1
	3:00 PM	Test	Worthington	

ENCLOSURE 3