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

(FSME-09-046, June, Training, H-122)

June 29, 2009

ALL AGREEMENT STATES, MICHIGAN, NEW JERSEY

ACCEPTANCE TO THE BASIC HEALTH PHYSICS TECHNOLOGY COURSE (H-122) (FSME-09-046)

Purpose: To provide the list of students selected for the NRC Basic Health Physics Technology Course (H-122).

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 August 24 - Sept 4, 2009 Basic Health Physics Technology Course (H-122). This course is to be held in Oak Ridge, Tennessee. Please provide the list of students and the instructions (Enclosure 2) to each individual from your program that is on the list. Enclosed for your information is a tentative schedule for the course (Enclosure 3). Students attending this course will be paid for by the U.S. Nuclear Regulatory Commission (NRC). 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 (Appendix A) to Brenda Usilton (Fax 301-415-3502). (See invitational travel information in AD-500 at: http://nrc-stp.ornl.gov/procedures/ad500.pdf)

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 the student cannot attend the course.*

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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, 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

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

Enclosures:
As stated

BASIC HEALTH PHYSICS TECHNOLOGY COURSE
AUGUST 24-SEPTEMBER 4, 2009
OAK RIDGE, TN

STATE	PARTICIPANT
ARIZONA Radiation Regulatory Agency 4814 South 40th Street Phoenix, AZ 85040	Joshua Hoeh
KENTUCKY Cabinet for Health & Family Services 275 East Main Street, HS1C-A Frankfort, KY 40621-0001	James Pendergrass Melvin Goodfriend James May
NEW JERSEY Dept. of Environmental Protection P.O. Box 415 Trenton, NJ 08625-0415	Karen Flanigan
OREGON Dept of Human Services 800 NE Oregon Street, Suite 640 Portland, OR 97232-2162	Philip Wilson
PENNSYLVANIA Dept. of Environmental Protection Rachel Carson State Office Bldg. P.O. Box 8469 Harrisburg, PA 17105-8469	Stephan Brown Cory Fahnestock Andrew Gardosik Dustin Wyant
TENNESSEE Division of Radiological Health L&C Annex, Third Floor 401 Church Street Nashville, TN 37243-1532	Tammy Hicks-Graves Andrew Holcomb

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 August 24-September 4, 2009 at the Oak Ridge Institute for Science and Education (ORISE) training center at 1299 Bethel Valley Road, Building SC-200, Oak Ridge,Tennessee 37830. If you go to the following website (below the lodging etc list) there are directions and also a photo of the building with the streets labeled.

http://www.orau.org/busops/ivhp/health-physics/lodging.htm

COURSE: The course will be conducted beginning at 8:00 a.m. and end at 4:00 p.m. each day except for Friday, September 4, 2009 classes are scheduled to be completed at 3:00 p.m. The per diem for Oak Ridge, TN area is 86/39/125. This means lodging/meals/not to exceed total. Tax is a separate line item on your voucher. There is no suitable lodging within walking distance, nor reliable public transportation, from the hotels to the Training Center; therefore, students should coordinate with students who have a car.or take a taxi to and from the training center. No rental cars will be authorized for travel. If traveling by air, you need to contact Carlson Travel at 1-866-250-2160 for airline reservations. Please complete the invitational travel authorization request as described in FSME Procedure AD-500, "Invitational Travel Authorization and Voucher" and return it to Brenda Usilton at Brenda.Usilton@nrc.gov or fax it to 301-415-3502. If you have any questions regarding the travel form please contact Brenda on 301-415-2348. You will receive a travel voucher for reimbursement after the course ends.

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. Enclosure 3 is a tentative agenda for the course. Students should bring a scientific calculator and know how to use it.

LODGING: Participants must make their own lodging and travel arrangements. The following hotels are listed for your convenience. Individuals should request a Federal government 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
August 24-September 4, 2009

First Week

DATE	TIME	TOPIC	INSTRUCTOR(S)	LOCATION
Monday,	8:00 AM	Registration, Orientation and Photo Staff	W-14/W-13	
August 24	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,	8:00 AM	RADIATION SAFETY PRINCIPLES (Cont'd)	Thomas	W-14
August 25	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,	8:00 AM	INSTRUMENT OVERVIEW – Gas detectors,	Frame	W-14
August 26		scintillation detectors, semiconductor detectors		
	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,	8:00 AM	NATURAL BACKGROUND RADIATION	Bernhardt	C-1
August 27	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,	8:00 AM	REGULATIONS and REGULATORY GUIDANCE	Thomas	C-1
August 28	10:00AM	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

August 31-September 4, 2009
Second Week

DATE	TIME	TOPIC	INSTRUCTOR(S)	LOCATION
Monday, August 31	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, Sept. 1	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, Sept. 2	8:00 AM	RADIATION SHIELDING	Thomas	C-1
	10:00AM	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, Sept. 3	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, Sept. 4	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