



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

(FSME-11-016, February, Training, H-201)

February 14, 2011

ALL AGREEMENT STATES, MICHIGAN

ACCEPTANCE TO THE HEALTH PHYSICS TECHNOLOGY COURSE (H-201)  
**(FSME-11-016)**

**Purpose:** To provide the list of students selected for the U.S. Nuclear Regulatory Commission (NRC) Health Physics Technology Course (H-201).

**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 April 11-22, 2011, Health Physics Technology Course (H-201). This course will be held in Chattanooga, TN. Please provide the list of students and the instructions (Enclosure 2) to each individual from your program that is on the list. The PDF Math review can be found at our training website <http://nrc-stp.ornl.gov/training.html>. You should study the math problems to familiarize yourself with what we will be teaching. Also enclosed for your information is a tentative schedule for the course (Enclosure 3). NRC will pay travel expenses and per diem to students attending this course. Students should make their travel arrangements through Carlson Wagonlit Travel at 1-866-250-2160. Please go to <http://nrc-stp.ornl.gov/training.html> to download the Travel Application Form 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 the student cannot attend the course.\*

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\* This information request has been approved by OMB 3150-0029 expiration 11/30/2013. 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](mailto:Brenda.Usilton@NRC.GOV)  
FAX: (301) 415-3502

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

Enclosures:

1. Course Participants List
2. Instructions to Students
3. Tentative Course Agenda

Health Physics Technology (H-201)  
April 11-22, 2011  
Chattanooga, TN

STATE	PARTICIPANT
ARKANSAS Dept. of Health 4815 W. Markham St., Slot 30 Little Rock, AR 72205-3867	Kayla Avery
COLORADO Dept. of Public Health & Environment HMWMD-RAAD-B2 4300 Cherry Creek Drive South Denver, CO 80246-1530	Phillip Peterson
MISSISSIPPI Office of Environmental Compliance Emergency & Radiological Services P.O. Box 4312 Baton Rouge, LA 70821	Dorsey Hamlin
NORTH CAROLINA Dept. of Environment & Natural Resources 3825 Barrett Drive Raleigh, NC 27609-7221	Henry Barnes
PENNSYLVANIA Bureau of Radiation Protection Rachel Carson State Office Bldg P.O. Box 8469 Harrisburg, PA 17105-8469	Randy Kutchman
WISCONSIN Division of Public Health Dept. of Health Services P.O. Box 2659 Madison, WI 53701-2659	Kurt Pedersen

## INSTRUCTIONS TO STUDENTS

**ACCEPTANCE:** This is to advise you that those individuals in Enclosure 1 have been accepted for participation in the Health Physics Technology Course (H-201). This course is scheduled to be presented April 11-22, 2011, at the U.S. Nuclear Regulatory Commission (NRC) Technical Training Center, 5746 Marlin Road, Suite 200, Osborne Office Center (near Eastgate Shopping Center), Chattanooga, Tennessee 37411-5677, Telephone (423) 855-6500.

**COURSE:** The course hours are 8:00 a.m.-4:00 p.m. each day except Friday, April 22, 2011. Friday's class is scheduled to end at 1:00 p.m., however, if more time is needed to complete the exam, students have until 4:00 p.m. There will be a morning session of a Math Review conducted on Monday; you will need to go to our training website <http://nrc-stp.ornl.gov/training.html> and printout the PDF file containing the student handout for the Math Review. You are encouraged to read it and do the sample problems provided. This will familiarize you with the level of math that may be required to solve problems during the course. If you have any questions concerning the PDF file, please send an e-mail to [Jeff.Griffis@nrc.gov](mailto:Jeff.Griffis@nrc.gov). Students should bring an engineering or scientific calculator with them. A tentative schedule for the course is enclosed (Enclosure 3). 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 training. Please complete the Travel Application Form <http://nrc-stp.ornl.gov/training.html> and return it to Brenda Usilton at [Brenda.Usilton@nrc.gov](mailto: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 also go to the same website to receive a copy of the travel instructions and voucher for reimbursement.

**LODGING AND TRAVEL:** You should plan to arrive on Sunday, April 10, 2011, and depart on Friday, April 22, 2011. If you find there are no return flights that can get you home on Friday afternoon, you may depart on Saturday. Participants must make their own lodging and travel arrangements. Individuals should request a Federal government employee rate at the hotels.

The per diem for Chattanooga, TN area is 88/56/144. This means lodging/meals/not to exceed the total per day. Tax is a separate line item on your voucher. No rental cars will be authorized for travel. You will need to take a taxi or shuttle to and from the airport. There is neither suitable lodging within walking distance, nor reliable public transportation from the hotels to the training center; therefore, students should coordinate with students who have cars or take a taxi to and from the training center. An internet search should be conducted to locate hotels in Chattanooga, TN. You may make reservations at the hotel of your choice, as long as rates are within per diem.

HEALTH PHYSICS TECHNOLOGY (H-201)

April 11-22, 2011

Chattanooga, TN

WK 1 4/11-15/11	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-8:30	Introduction Admin	Radiation Concepts (1)	Quiz 1 and Q&A	Problem Session and Q&A	Quiz 2 and Q&A
8:30-9:00		X-Rays (1)			
9:00-9:30					
9:30-10:00	Math Review	Radioactive Decay (2)	Interactions with Matter (3)	Line Source (4)	External Dose Evaluation (6)
10:00-10:30				Specific Activity (2)	Area and Volume Source (4)
10:30-11:00					
11:00-11:30	HP Review	Lunch	Lunch	Lunch	Lunch
11:30-12:00					
12:00-1:00	HP Review	Neutron Activation (2)	Interactions with Matter and Skin Dose (3)	Effective Dose Equivalent (5)	Instruments, Calibration and Surveys (8)
1:00-1:30		Serial Decay Equilibrium (2)	Gamma Constant (4)		
1:30-2:00			Point Source Inverse Square (4)		
2:00-2:30	Radiation History (1)	Interactions with Matter (3)			
2:30-3:00			Dose Quantities and Limits (1)		
3:00-3:30	Interactions with Matter (3)				
3:30-4:00					

WK 2 4/18-22/11	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-8:30	Problem Session and Q&A	Quiz 3 and Q&A	Problem Session and Q&A	Quiz 4 and Q&A	Final Exam
8:30-9:00					
9:00-9:30					
9:30-10:00					
10:00-10:30	Internal Dosimetry (9)	EPA FGR 11 (13)	Embryo/Fetal Dose (15)	TEDE ALARA (18)	
10:30-11:00					
11:00-11:30	Effective Half Life and Mean Life (10)	Effluents (13)	Intake Retention Fractions (16)	REMIT and NRC Forms 4 & 5 (18)	
11:30-12:00					
12:00-1:00	Lunch	Lunch	Lunch	Lunch	
1:00-1:30	ICRP-30 and 10 CFR Part 20 (11)	Bioassay and Air Sampling (14)	IRF (16)	Problem Session and Q&A	
1:30-2:00					
2:00-2:30					
2:30-3:00	Lung Model and Particle Size (12)	MIRD (15)	Contamination (17)		
3:00-3:30					
3:30-4:00					
					Course Ends When Final Exam Completed