



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

September 9, 2005

ALL AGREEMENT STATES, MINNESOTA, PENNSYLVANIA

**ACCEPTANCE TO THE HEALTH PHYSICS TECHNOLOGY COURSE (H-201) (STP-05-068)**

Enclosure 1 is the list of students from the Agreement States selected to attend the October 17-28, 2005, Health Physics Technology Course (H-201). 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, however, there is no tuition for this course.

To assist us and other States, and to help ensure that States with candidates on waiting lists will have an opportunity to fill vacated slots that may open up after our course acceptance letters have been sent to you, we ask that you inform us of any cancellations 30 days prior to the course starting date.

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

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Dennis K. Rathbun, Deputy Director  
Office of State and Tribal Programs

Enclosures:  
As stated

STP-05-068

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OFFICE	STP		STP:DD						
NAME	BGUsilton:gd		DKRathbun						
DATE	09/9/05		09/9/05						

**LIST OF AGREEMENT STATE ATTENDEES FOR THE  
HEALTH PHYSICS TECHNOLOGY COURSE (H-201)**

**OCTOBER 17-28, 2005  
CHATTANOOGA, TN**

<b>STATE</b>	<b>PARTICIPANT(s)</b>	<b>NO TUITION COURSE</b>
<b>OHIO</b> Ohio Department of Health P.O. Box 118 Columbus, OH 43216-0118	Michael Rubadue	
<b>TEXAS</b> Texas Department of Health 1100 West 49th Street Austin, TX 78756-3189	Bridget Stephens Hans Weger	
<b>UTAH</b> Division of Radiation Control Department of Environmental Quality P.O. Box 144850 Salt Lake City, UT 84114-4850	David Hogge	

## **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-201), "Health Physics Technology Course." This course is scheduled to be presented October 17-28, 2005 at the NRC Technical Training Center, 5746 Martin Road, Osborne Office Center, Suite 200, Eastgate Shopping Center, Chattanooga, Tennessee 37411-5677.

**COURSE:** The course will be conducted beginning at 8:00 a.m. and end at 4:00 p.m. each day except for Friday, October 28, 2005, classes are scheduled to be completed at 1:00 p.m. However, on Monday, October 17, 2005, formal presentations will begin at 1:00 p.m. In place of a Math Review session formerly conducted on Monday morning, attached is a 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 [JLR1@NRC.GOV](mailto:JLR1@NRC.GOV). Students should bring an engineering or scientific calculator with them. A tentative schedule for the course is enclosed (Enclosure 3).

**LODGING AND TRAVEL:** Participants must make their own lodging arrangements. Individuals should request a State or government employee rate at the hotels. A map and a list of motels in the Chattanooga area can be found on the NRC Technical Training link at <http://www.hsrp.ornl.gov/nrc/home.html>. 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 cars.

**Tentative Schedule - Week 1 - October 17-21, 2005**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>8:00-8:30</b>		Radiation Concepts (1&3)	Quiz 1 and Q&A	Problem Session and Q&A	Quiz 2 and Q&A
<b>8:30-9:00</b>					
<b>9:00-9:30</b>		X-Rays (5)	Point Source Inverse Square (12)	(continue) Interactions, Shielding and Skin Dose (16/17)	ALARA (24)
<b>9:30-10:00</b>					
<b>10:00-10:30</b>					
<b>10:30-11:00</b>		Radioactive Decay (7)	Line Source (13)	Effective Dose Equivalent (29)	
<b>11:00-11:30</b>					
<b>11:30-12:00</b>		Specific Activity (8)	Lunch	Lunch	Lunch
<b>12:00-1:00</b>					
<b>1:00-1:30</b>	Lunch	Lunch	Lunch	Lunch	Lunch
<b>1:30-2:00</b>					
<b>1:00-1:30</b>	Introduction Admin	Neutron Activation (9)	Area and Volume Sources (14/15)	Instruments, Calibration and Surveys (21/22/23)	Submersion Dose (30)
<b>2:00-2:30</b>					
<b>2:30-3:00</b>		Dose Limits (6)	Serial Decay Equilibrium (10)		Interactions, Shielding and Skin Dose (16/17)
<b>3:00-3:30</b>					
<b>3:30-4:00</b>	Gamma Constant (11)				

**Tentative Schedule - Week 2 - October 24-28, 2005**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>8:00-8:30</b>	Problem Session and Q&A	Quiz 3 and Q&A	Problem Session and Q&A	Quiz 4 and Q&A	Final Exam
<b>8:30-9:00</b>					
<b>9:00-9:30</b>					
<b>9:30-10:00</b>					
<b>10:00-10:30</b>	Internal Dosimetry (32/33)	EPA FGR 11 (37)	Embryo/Fetal Dose (45)	TEDE ALARA (50)	
<b>10:30-11:00</b>					
<b>11:00-11:30</b>	Effective Half Life and Mean Life (34/35)	Effluents (39)	Contamination Surveys (46)	REMIT and NRC Forms 4 & 5 (51/20)	
<b>11:30-12:00</b>					
<b>12:00-1:00</b>	Lunch	Lunch	Lunch	Lunch	
<b>1:00-1:30</b>	ICRP-30 and 10 CFR Part 20 (36/38)	Sampling and Bioassay (47/48)	Contamination Surveys (46)	Problem Session and Q&A	
<b>1:30-2:00</b>					
<b>2:00-2:30</b>					
<b>2:30-3:00</b>	Lung Model and Particle Size (40/41)	MIRD (44)	Intake Retention Fractions (49)		
<b>3:00-3:30</b>					
<b>3:30-4:00</b>					