



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

April 14, 2014

ALL AGREEMENT STATES

ACCEPTANCE TO BRACHYTHERAPY & GAMMA KNIFE COURSE (H-313)  
(FSME-14-037)

**Purpose:** To provide the list of students selected for the U.S. Nuclear Regulatory Commission's (NRC) Brachytherapy & Gamma Knife Course.

**Background:** The 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 June 9-13, 2014, Brachytherapy & Gamma Knife Course (H-313). This course will be held in Houston, Texas. 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. The per diem for Houston, Texas is 118/71/189. Students should immediately make their travel arrangements through Carlson Wagonlit Travel at 1-800-453-8396 and then download the Travel Application Form at <http://nrc-stp.ornl.gov/training.html>. The completed form should be sent to [ASTrainingandtravel.Resource@nrc.gov](mailto:ASTrainingandtravel.Resource@nrc.gov). Information should not be sent directly to Brenda Usilton. In addition, we are requesting that you do not send any training applications, travel forms and vouchers by fax. Processing of your requests sent by fax could result in significant delays.

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.\*

---

\* This information request has previously been approved by OMB 3150-01029 and was resubmitted to OMB for review of continued approval of information collection. 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 Information Services Branch (T-5F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to [infocollects.resource@nrc.gov](mailto:infocollects.resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0200), 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.

FSME-14-037

2

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)

**/RA DWhite for/**

Laura A. Dudes, Director  
Division of Materials Safety and State Agreements  
Office of Federal and State Materials  
and Environmental Management Programs

Enclosures:

1. List of students
2. Instructions for students
3. Tentative Schedule

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)

**/RA DWhite for/**

Laura A. Dudes, Director  
Division of Materials Safety and State Agreements  
Office of Federal and State Materials  
and Environmental Management Programs

Enclosures:

1. List of students
2. Instructions for students
3. Tentative Schedule

DISTRIBUTION:  
MSSA RF

**MI14104A030**

OFFICE	FSME/MSSA	FSME/ASPB	FSME/MSSA
NAME	BGUsilton	ADWhite	LADudes
DATE	4/14/14	4/14/14	4/14/14

**OFFICIAL RECORD COPY**

BRACHYTHERAPY & GAMMA KNIFE COURSE (H-313)  
 JUNE 9-13, 2014  
 HOUSTON, TX

STATE	PARTICIPANT(S)
<b>CALIFORNIA</b> Dept. of Health Services P.O. Box 997414, MS-7610 Sacramento, CA 9499-7414	Julie Miller Emir Cruz
<b>FLORIDA</b> Dept. of Health Bureau of Radiation Control 4052 Bald Cypress Way, Bin C21 Tallahassee, FL 32399-1741	James Futch Rowena Nash
<b>GEORGIA</b> Environmental Protection Division 4244 International Parkway, Suite 120 Atlanta, GA 30354	David Crowley
<b>KANSAS</b> Dept. of Health & Environment 1000 SW Jackson, Suite 330 Topeka, KS 66612-1365	John Kratina
<b>LOUISIANA</b> Emergency & Radiological Services Div. P.O. Box 4312 Baton rouge, LA 70821-4312	Melanie Bauder Brad Schexnadyer
<b>NORTH CAROLINA</b> Dept. of Health & Human Services 3825 Barrett Drive Raleigh, NC 27609-7221	Christopher Fidalgo
<b>PENNSYLVANIA</b> Bureau of Radiation Protection Rachel Carson State Office Bldg P.O. Box 8469 Harrisburg, PA 17105-8469	Robert Wickline
<b>TEXAS</b> Dept. of State Health Services P.O. Box 149347 Austin, TX 78714-9347	Roger Sawyer Helen Watkins

## 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-313), Brachytherapy & Gamma Knife. This course is scheduled to be presented June 9-13, 2014, at the Advanced Health Education Center (AHEC) 8502 Tybor Drive, Houston, Texas 77074, Telephone: (713) 772-0157 or 1-800-239-1361.

**COURSE:** The course will be conducted beginning at 8:00 a.m. and end at 5:00 p.m. each day except for Friday, June 13, 2014, which will end at 1:00 p.m. Please refer to AHEC's Webpage at URL: <http://www.AHECOnline.com> for hotel information and transportation between the hotel and the AHEC. Click on Contact Us and then General Information. 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 Technical Training Center (TTC) courses. The classroom at the contractor's facility is located on the second floor and there is no elevator. If you have any special needs that the contractor should be aware of, please let us know so that we may provide that information to them. Participants must make their own lodging arrangements. If traveling by air, you need to contact Carlson Travel at 1-800-453-8396 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 Web site to receive a copy of the travel instructions and voucher for reimbursement, as well as the tax exemption form. Please return the travel form to [AStrainingandtravel.Resource@nrc.gov](mailto:AStrainingandtravel.Resource@nrc.gov) and if you have any questions regarding the form contact Brenda Usilton at [Brenda.Usilton@nrc.gov](mailto:Brenda.Usilton@nrc.gov) or call 301-415-2348. No rental cars will be authorized for travel.

**LODGING:** You should plan to arrive on Sunday, June 8, 2014, and depart on Friday, June 13, 2014. Some hotels offer transportation to and from the AHEC. Participants must make their own lodging and travel arrangements. Individuals should request a Federal government rate at the hotel. The per diem for Houston area is 118/71/189. This means lodging/meals are not to exceed the per diem total. Houston, TX is a tax exempt city and you can go to the above Web site and download a copy of the exemption. Give it to the hotel when you check in and you will not have to pay taxes for the lodging. Effective **January 1, 2014**, the Federal mileage rate has changed to **56** cents per mile.

Ground transportation from airports to Houston hotels Airport Express, services ground transportation to and from both Intercontinental and Hobby airports. Buses depart every 30 minutes for designated terminals and will take you to the Galleria where you should call a cab to deliver you to your hotel. Call (713) 523-5695 or (713) 523-8888 for Airport Express Information.

Cab fare is approximately \$40 from Hobby Airport and \$60 from Intercontinental to hotels in your area. Bus fare is \$10 - \$20. The Airport Express Ticket Agent is located in the baggage claim area. Call (713) 236-1111 for Yellow Cab Company. If you call a cab service, establish the rates prior to engaging the taxi. Parking in Houston is on surface lots and is free of charge.

HOTELS IN THE VICINITY OF THE TTC:

**Wingate Inn** - 11050 Southwest Freeway - 281-568-6969 or 1-800-228-1000

The Wingate Inn is approximately 1 mile away from the AHEC facility. The Wingate Inn also offers shuttle service to and from the AHEC facility and complimentary continental breakfast.

**Country Inn & Suites** - 11230 South West Freeway - 281-575-8283

**Hilton Houston Southwest** - 6870 Southwest Freeway - 713-977-7911

The Hilton Southwest is an excellent hotel. They will provide transportation at no charge to AHEC. They will also take you to the mall or to other eating destinations in close proximity.

**Holiday Inn** - 11160 Southwest Freeway - 800-230-8730

**Crown Plaza Houston Suites** - 9090 Southwest Freeway - 713-995-0123

The Crown Plaza Suites offers shuttle service to and from the AHEC facility.

**Meals/Restaurants** - (Houston/AHEC classes): There are multiple eating facilities within walking distance, such as Subway, Chinese Buffet, and Denny's. If it rains, AHEC has a small lunch area and you can order and have sandwiches or pizza delivered.

**BRACHYTHERAPY & GAMMA KNIFE TENTATIVE SCHEDULE**  
**JUNE 9-13, 2014**  
**HOUSTON, TX**

<b>Allotted Time/Date</b>			
<b>Monday, June 9</b>	<b>Topic</b>	<b>Chapter Number</b>	<b>Faculty Name</b>
8:00-8:15 AM	Introduction		Hoosier
8:15-8:45	Public Aspects of Cancer	2	Adams
8:45-9:15	Principles of Radiobiology	3	Callahan
9:15-9:30	Break		
9:30-11:00	Overview of Radiation Therapy	4	Callahan
11:00-12:00	Principles of Brachytherapy	5	Callahan
12:00-1:00	Lunch		
1:00-2:00	Radiation Safety Concerns in Brachytherapy	6	Martir
2:00-2:30	Overview of QC Concepts	7	Martir
2:30-2:45	Break		
2:45-3:45	Written Directives	8	Martir
3:45-4:15	Treatment Deviations, Regulations and Written Directives Issues	17	Martir
4:15-5:00	Clinical Radiation Safety ALARA in Therapy	10	Martir
5:00	Dismiss		
<b>Tuesday, June 10</b>			
8:00-9:30 AM	Mammosite	15	Martir
9:30-9:45	Break		
9:45-11:30	Basic Dosimetry Calculations in Brachytherapy	11	Martir
11:30-12:30 PM	Lunch		
12:30-3:00	HDR Remote Afterloader Brachytherapy	12	Martir
3:45	Clinical Site Visit for HDR demonstration and Case Study		Hamberger
4:45	Dismiss		
<b>Wednesday, June 11</b>			
8:00-8:50 AM	DVD on microspheres (10 min)	16D	Dr Moore
	Selective Internal Radiation Therapy (SIRT) with SIR -spheres and Theraspheres		

	<b>"Preparing for a clinical Dose of Y-90 Theraspheres:A HAZMAT Tech's Perspective"</b>	16D	Read Only
9:00-10:15	<b>Emerging Technologies:</b>		Harris
	<b>Nucleotron First System</b>	16A	
10:15-10:30	<b>Break</b>		
10:30-11:30	<b>Gliasite Therapy</b>	16B	Harris
	<b>Nucleotron First System</b>		
	<b>In vivo Brachytherapy Cardiac Treatment-</b>	16C	Harris
11:30-12:30 PM	<b>Lunch</b>		
12:30-1:00	<b>Ophthalmic Applicators</b>	9	Zeck
1:00-1:50	<b>Stereotactic Radiosurgery/Gamma Knife</b>	13	Zeck
2:15-2:30	<b>Break</b>		
2:30-3:45	<b>Gamma Knife Calibration</b>	14	Zeck
3:45-5:00	<b>Gamma Knife Source Replacement and Room Design</b>		Zeck
5:00	<b>Dismiss</b>		
<b>Thursday, June 12</b>			
8:00-9:30	<b>Workshop: Case Reviews, Medical Events</b>	18	Adams
9:30	<b>Leave AHEC for clinical site visit to Gamma Knife</b>		
10:00-12:00	<b>Gamma Knife Site Visit And Case Study</b>		Zeck
12:00	<b>Lunch</b>		
1:00-5:00	<b>NRC Guest Lecturer</b>		
5:00	<b>Dismiss</b>		
<b>Friday, June 13</b>			
8-9:30	<b>Lab and Demonstration of Fletcher Suit Applicators, Dummy Seeds, Dummy sources, Mick Applicators, and Bronchial Catheter</b>		Martir
9:45 - 10:00	<b>Break</b>		
10:00- 11:00	<b>Review</b>		Adams
11:00 - 12:30	<b>Examination</b>		Staff

**This agenda is tentative. Specific topics, and the order in which lectures are delivered are subject to change. You will receive a final schedule on the first day of the course.**