



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

(FSME-14-054, June, Training, H-313)

June 5, 2014

ALL AGREEMENT STATES

ACCEPTANCE TO BRACHYTHERAPY & GAMMA KNIFE COURSE (H-313) (FSME-14-054)

**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 August 11-15, 2014, Brachytherapy & Gamma Knife Course (H-313). This course will be held in Houston, Texas. Please provide the list of students and instructions (Enclosure 2) to each individual from your program that has been accepted to this class. Also included for your information is a tentative schedule for the course (Enclosure 3). Attendees will be paid lodging and per diem by the NRC. Students should make their travel arrangements through Carlson Wagonlit Travel at 1-800-453-8396, download the new Travel Application Form at [http://nrc-stp.ornl.gov/special/travel\\_form.docx](http://nrc-stp.ornl.gov/special/travel_form.docx), and send the completed form to [ASTrainingandtravel.Resource@nrc.gov](mailto:ASTrainingandtravel.Resource@nrc.gov). Please inform us of any cancellations 30 days prior to the course start date. This will allow us to ensure that States with candidates on the waiting list have an opportunity to fill vacated slots that may open up after the course acceptance letters have been transmitted.

If you have any questions regarding this correspondence, please contact me at 301-415-3340 or the individual named below:

POINT OF CONTACT: Marcia J. Casby  
INTERNET: [ASTrainingandtravel.Resource@nrc.gov](mailto:ASTrainingandtravel.Resource@nrc.gov)

TELEPHONE: (301) 415-6525

**/RA Duncan White 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

BRACHYTHERAPY & GAMMA KNIFE COURSE (H-313)  
AUGUST 11-15, 2014  
HOUSTON, TX

STATE	PARTICIPANT(S)
<b>CALIFORNIA</b> Dept. of Health Services P.O. Box 997414, MS-7610 Sacramento, CA 9499-7414	Josephine Ortego
<b>FLORIDA</b> Dept. of Health Bureau of Radiation Control 4052 Bald Cypress Way, Bin C21 Tallahassee, FL 32399-1741	Kenneth Barnhart
<b>GEORGIA</b> Environmental Protection Division 4244 International Parkway, Suite 120 Atlanta, GA 30354	Irene Bennett
<b>KANSAS</b> Dept. of Health & Environment 1000 SW Jackson, Suite 330 Topeka, KS 66612-1365	Aaron Short
<b>LOUISIANA</b> Emergency & Radiological Services Division P.O. Box 4312 Baton rouge, LA 70821-4312	Melanie Bauder Jessica Chaney-Walker
<b>MASSACHUSETTES</b> Radiation Control Program Schrafft Center, Suite 1M2A 529 Main Street Charlestown, MA 02129	Edward Salomon
<b>NEW MEXICO</b> Radiation Control Bureau Marquez Building-Suite 1 525 Camino de Los Marquez Santa Fe, NM 87505	Victor Diaz
<b>NEW YORK STATE HEALTH</b> Bureau of Environmental Radiation Protection Empire State Plaza-Corning Tower-12th Fl. Albany, NY 12237	Michelle Kehoe
<b>OHIO</b> Bureau of Radiation Protection 246 North High Street Columbus, OH 43215	Erick Ziegler
<b>OKLAHOMA</b> Radiation Management Section P.O. Box 1677 Oklahoma City, OK 73101-1677	Libby McCaskill

<b>STATE</b>	<b>PARTICIPANT(S)</b>
<b>OREGON</b> Radiation Protection Services 800 NE Oregon Street, Suite 640 Portland, OR 97232-2162	Richard Beauman
<b>PENNSYLVANIA</b> Bureau of Radiation Protection Rachel Carson State Office Bldg. P.O. Box 8469 Harrisburg, PA 17105-8469	Mary Fekete
<b>WISCONSIN</b> Radiation Protection Section P.O. Box 2659 Madison, WI 53701-2659	Andrew Turner

## 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 August 11-15, 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 which will end at 1:00 p.m. Please refer to AHEC's Webpage at <http://www.aheconline.com> and Click on "Contact Us" and then "General Information" for hotel and transportation 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 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. Please complete the new Travel Application Form which is available at [http://nrc-stp.ornl.gov/special/travel\\_form.docx](http://nrc-stp.ornl.gov/special/travel_form.docx) and return it to [AStrainingandtravel.Resource@nrc.gov](mailto:AStrainingandtravel.Resource@nrc.gov). A copy of the travel instructions and voucher for reimbursement may also be obtained at this Web site. If you have any questions, please contact Marcia Casby at 301-415-6525.

**GROUND TRANSPORTATION:** Rental cars will not be authorized for travel. Airport Express (713-523-5695 or 713-523-8888) provides ground transportation to and from both Intercontinental and Hobby airports. Buses depart every 30 minutes for designated terminals and the Galleria where you may take a taxi to transport you to your hotel. Taxi fare is approximately \$40 from Hobby Airport and \$60 from Intercontinental to hotels in the area. Bus fare ranges from \$10 - \$20. An Airport Express Ticket Agent is located in the baggage claim area. Yellow Cab Company may be contacted at Call 713-236-1111. If you call a taxi service, establish the rates prior to engaging the taxi. Parking in Houston is on surface lots and is free of charge.

**MEALS/RESTAURANTS:** There are multiple eating facilities within walking distance, such as Subway, Chinese Buffet, and Denny's. In addition, if you would like to place an order for delivery, AHEC has a small lunch area for your use.

**LODGING:** Plan to arrive on Sunday, August 10, 2014 and depart on Friday, August 15, 2014. Participants must make their own lodging and transportation arrangements. Individuals should request the Federal government rate at the hotel. The per diem for Houston is 118/71/189. This means lodging/meals/not to exceed total. Houston is a tax exempt city so we ask that you download a copy of the exemption form at <http://smartpay.gsa.gov/program-coordinators/tax-information/texas> and present it to the hotel attendant upon check in.

**Hotels in vicinity of training:**

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

Approximately 1 mile 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 provide transportation to other destinations within a 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.

**BRACHYTHERAPY & GAMMA KNIFE**

Tentative Schedule

August 11-15, 2014

Houston, TX

<b>Day/Time</b>	<b>Topic</b>	<b>Chapter Number</b>	<b>Faculty Name</b>
<b>MONDAY</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 PM	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</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</b>			
8:00-8:50 AM	DVD on microspheres (10 min)	16D	Dr Moore
	Selective Internal Radiation Therapy (SIRT) with SIR -spheres and Theraspheres		
	"Preparing for a Clinical Dose of Y-90 Theraspheres:A HAZMAT Tech's Perspective"	16D	Read Only
9:00-10:15	Emerging Technologies:		Harris
	Nucleotron First System	16A	
10:15-10:30	Break		
10:30-11:30	Gliasite Therapy	16B	Harris
	Nucleotron First System		
	In vivo Brachytherapy Cardiac Treatment	16C	Harris
11:30-12:30 PM	Lunch		
12:30-1:00	Ophthalmic Applicators	9	Zeck
1:00-1:50	Stereotactic Radiosurgery/Gamma Knife	13	Zeck
2:15-2:30	Break		
2:30-3:45	Gamma Knife Calibration	14	Zeck
3:45-5:00	Gamma Knife Source Replacement and Room Design		Zeck
5:00	Dismiss		
<b>THURSDAY</b>			
8:00-9:30 AM	Workshop: Case Reviews, Medical Events	18	Adams
9:30	Leave AHEC for clinical site visit to Gamma Knife		
10:00-12:00	Gamma Knife Site Visit And Case Study		Zeck
12:00 PM	Lunch		
1:00-5:00	NRC Guest Lecturer		
5:00	Dismiss		
<b>FRIDAY</b>			
8:00-9:30 AM	Lab and Demonstration of Fletcher Suit Applicators, Dummy Seeds, Dummy sources, Mick Applicators, and Bronchial Catheter		Martir
9:45 - 10:00	Break		
10:00- 11:00	Review		Adams
11:00 - 12:30 PM	Examination		Staff