



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

(FSME-14-020, March, Training, H-119)

March 5, 2014

ALL AGREEMENT STATES

ACCEPTANCE TO THE AIR SAMPLING FOR RADIOACTIVE MATERIALS COURSE (H-119)
(FSME-14-020)

PURPOSE: To provide the list of students selected for the Air Sampling for Radioactive Materials Course (H-119).

BACKGROUND: U.S. Nuclear Regulatory Commission (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 May 5-9, 2014, Air Sampling for Radioactive Materials Course (H-119). This course is to be held at 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). Also enclosed is a greeting packet from Oak Ridge Associated Universities (ORAU) with information regarding hotels and logistics to get to the course (Enclosure 4). Students attending this course will be paid lodging and per diem by the NRC. Students should also be aware that you must be a U.S. citizen to have access on to the Oak Ridge training site. If you are a foreign student and do not have citizenship you need to contact Ms. Kristy Mashburn at Kristy.Mashburn@orau.org. She is the Registrar at Oak Ridge Universities and she will give you direction as to how you can get access on to the Oak Ridge site. Students should make their travel arrangements through Carlson Wagonlit Travel at 1-800-453-8396 immediately and then submit their travel information needed for NRC to issue their travel authorization. Please go to the following website to download the Travel Application Form <http://nrc-stp.ornl.gov/training.html> and then send it to AStrainingandtravel.Resource@nrc.gov. Information should not be sent directly to Ms. 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 results in significant delays.

We ask that you inform us of any cancellations 30 days prior to the course starting date.* This will assist us in ensuring that States with candidates on waiting lists have an opportunity to fill vacated slots that may open up after our course acceptance letters have been sent to you.

*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, 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.

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

POINT OF CONTACT: Ms. Brenda G. Usilton
TELEPHONE: (301)-415-2348

INTERNET: Brenda.Usilton@nrc.gov

/RA/ DWhite for LDudes

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
4. ORAU Information Packet

AIR SAMPLING FOR RADIOACTIVE MATERIALS COURSE (H-119)
May 5-9, 2014
OAK RIDGE, TN

STATE	PARTICIPANT(S)
CALIFORNIA Dept of Health Services P.O. Box 997414, MS-7610 Sacramento, CA 95899-7414	Carol Rexroth Jennifer Cho
FLORIDA Dept. of Health 4052 Bald Cypress Way, Bin C21 Tallahassee, FL 32399-1741	Caleb Smith
ILLINOIS Emergency Management Agency 2200 south Dirksen Parkway Springfield, IL 62703	Brent Russell
KANSAS Dept. of Health & Environment 1000 SW Jackson, Suite 330 Topeka, KS 66612-1365	Cynthia Siemers
LOUISIANA Emergency & Radiological Services Div. P.O. Box 4312 Baton rouge, LA 70821-4312	Michael McMahon
NEW HAMPSHIRE Dept. of Health and Human Services 29 Hazen Drive Concord, NH 03301-6504	Brian Scherer
OHIO Dept. of Health 246 North High Street Columbus, OH 43216	Eric Denison
OKLAHOMA P.O. Box 1677 Oklahoma City, OK 73101-1677	Keisha Cornelius
OREGON Dept. of Human Services 800 NE Oregon Street, Suite 640 Portland, OR 97232-2162	Molly Keller
UTAH Dept. of Environmental Quality 195 North 1950 West Salt Lake City, UT 84116	Boyd Imai Spencer Wickham

INSTRUCTIONS TO STUDENTS

ACCEPTANCE: This is to advise you that the individuals listed in Enclosure 1 have been accepted for participation in the training course (H-119), "Air Sampling for Radioactive Materials." This course is scheduled to be presented May 5-9, 2014, at the Oak Ridge Institute for Science and Education (ORISE) training center which is located at 1299 Bethel Valley Road, Building SC-1, Oak Ridge, Tennessee 37830.

COURSE: The course starts at 8:00 a.m. on Monday, May 5, 2014 and will end at approximately 4:30 p.m. on Friday, May 9, 2014. You should plan on arriving Sunday, May 4, 2014. If you not able to get a flight out on Friday you may stay and return on May 10th. Please make sure you indicate that on your travel form. If you have any significant medical or family issues that might preclude you from remaining until the course is completed please notify Brenda prior to the start date of the course. This course is to be held at 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). Also enclosed is a greeting packet from ORAU with information regarding hotels and logistics to get to the course (Enclosure 4). Students attending this course will be paid lodging and per diem by the U.S. Nuclear Regulatory Commission (NRC). The per diem for Oak Ridge, TN is 88/46/134. Students should also be aware that you must be a U.S. citizen to have access on to the Oak Ridge training site. If you are a foreign student and do not have citizenship you need to contact Kristy Mashburn at Kristy.Mashburn@ornl.gov. She is the Registrar at Oak Ridge Universities and she will give you direction as to how you can get access on to the Oak Ridge site. Students should make their travel arrangements through Carlson Wagonlit Travel at 1-800-453-8396 immediately and then submit their travel information needed for NRC to issue their travel authorization. Please go to the following website to download the Travel Application Form <http://nrc-stp.ornl.gov/training.html> and then send it to ASTrainingandtravel.Resource@nrc.gov. Information should not be sent directly to Ms. 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.

Enclosure 3 is a tentative agenda for the course. We have also enclosed a Student Information document provided by Oak Ridge Institute for Science and Education (ORISE) (Enclosure 4)

AIR SAMPLING FOR RADIOACTIVE MATERIALS (H-119) MAY 5-9, 2014

DATE	TIME TOPIC
Monday, MAY 5	8:00 AM Welcome and Registration 9:00 AM AIR SAMPLING INTRODUCTION 10:30 AM AIR SAMPLING METHODS – FILTERS 12:00 PM Lunch 1:00 PM AIR SAMPLING METHODS – COLLECTING GASES AND VAPORS 2:00 PM AIR SAMPLING METHODS – AIR MOVERS (PUMPS) 3:30 PM REGULATIONS & STANDARDS FOR AIRBORNE RADIOACTIVE MATERIALS
Tuesday, MAY 6	8:00 AM STACK SAMPLING 9:30 AM AIR SAMPLER CALIBRATION 11:00 AM Lab: Flowmeter Calibration I ASC-101, AS-108 12:30 PM Lunch 1:30 PM Lab/Demo: Critical Flow Orifice AS-112 Lab/Demo: Burial Losses AS-110 2:30 PM Lab: Stack Sampling AS-106
Wednesda MAY 7	8:00 AM AIR SAMPLING EQUATIONS 9:30 AM AIR SAMPLING IN THE WORKPLACE 10:30 AM ENVIRONMENTAL AIR SAMPLING 11:30 PM Lunch 12:30 PM Lab: A) Air Sampling in the Workplace AS-115 Lab: B) Flowmeter Calibration II ASC-107, 109 2:30 PM Lab: A) Flowmeter Calibration II ASC-107, 109 Lab: B) Air Sampling in the Workplace AS-115
Thursday, MAY 8	8:00 AM Sample Analysis AS-106, ASC-109 9:00 AM PARTICLE SIZING 10:30 AM Lab: A) Environmental Air Sampling Lab: B) Particle Sizing AS-107 12:30 PM Lunch

1:30 PM AIR MONITORS

2:30 PM Lab: A) Particle Sizing AS-107

Lab: A) Environmental Air Sampling

Friday,
MAY 9

8:00 AM RADON AND ITS DECAY PRODUCTS

9:30 AM Lab/Demo: Airborne Tritium Measurements

10:00 AM Lab: Sample Analysis AS-104, 105

11:30 AM Exam

12:30 PM Course critique and Adjourn (afternoon session optional)

1:00 PM Lunch

2:00 PM Lab: Radon Daughter Measurements AS-103 (optional)

2:30 PM Lab: Radon Measurements AS-109, 111 (optional)

Greetings,

On behalf of Professional Training Programs' we are pleased to have you registered for our upcoming training course! The course will be held in Room 135 of the Oak Ridge Institute for Science and Education (ORISE) building at 1299 Bethel Valley Road, Oak Ridge, Tennessee. The enclosed directions and map of Oak Ridge should help you find our facility. *(Note: Please follow the directions we have provided, GPS is not exact and will take you to the ORNL guard gate.)*

Be sure to enter the building via the closest entrance to the intersection of Bethel Valley Road and Pumphouse Rd./Scarboro Rd. It is on the northwest corner of the building facing Bethel Valley Rd. On the detailed map, the building entrance is shown.

Please be prepared to show ID the first day of the course for identity purposes (driver's license, federal or state issued badge, etc). The course will start at 8:00 a.m. There will be someone at the front entrance to check you in beginning at 7:30 a.m.

ORISE is a Department of Energy (DOE) facility, so we are subject to DOE requirements. There are special briefing and badging requirements for Foreign National Participants. **If you are not a U.S. Citizen, please contact me immediately.**

We will supply you with course notebooks, notebook paper, pencils, etc. You should bring a calculator with exponential functions and be familiar with its use.

If you have any questions about the course, please contact me at Kristy.Mashburn@orau.org or 865-576-3576 or Tracy.Whitaker@orau.org at 865-576-6408. We look forward to meeting you!

Kristy Mashburn, Registrar
Oak Ridge Associated Universities (ORAU)
Independent Environmental Assessment and Verification (IEAV)

DIRECTIONS, LODGING, & TRANSPORTATION DIRECTIONS

Oak Ridge is approximately 20 miles west-northwest of Knoxville, Tennessee. The course will be held at the Oak Ridge Institute for Science and Education (ORISE) Professional Training Programs (PTP) training facility located at 1299 Bethel Valley Road. *GPS takes you to another facility so please do not rely on it for correct directions.*

Directions for Automobile Travel to Oak Ridge:

Heading east on I-40 (e.g., from Nashville), take Exit 356 onto Gallaher Road (State Route 58). This exit is just east of Kingston. Eventually, Gallaher Road will become the Oak Ridge Turnpike (State Route 95).

Heading south on I-75 (e.g., from Lexington), take Exit 122 from I-75 and head west on State Route 61 towards Clinton. Oak Ridge is approximately ten miles west of Clinton. Just before it reaches Oak Ridge, Route 61 effectively becomes the Oak Ridge Turnpike (State Route 95).

Heading west on I-40/75 (e.g., from Knoxville) take Exit 376A onto State Route 162 (aka Pellissippi Parkway) into Oak Ridge. See directions from Airport for additional information.

Heading north on I-75 (e.g., from Chattanooga), you have two options. The first is to take Exit 364 onto State Route 95 which will eventually become the Oak Ridge Turnpike. Sections of 95 have lots of tight curves so be careful. The other option is to continue on I-75 and take Exit 376 onto State Route 162 (aka Pellissippi Parkway) into Oak Ridge. See directions from Airport for additional information.

Directions from Airport to Oak Ridge:

1. From airport, take Alcoa Highway (US 129 North) toward Knoxville for approximately 2.5 miles.
2. Take the OAK RIDGE exit to the right onto I-140.
3. Continue on I-140 for approximately 11.5 miles. You will cross interstate I-40/I-75. As you cross the interstate, watch for the Oak Ridge sign telling you to bear left. This takes you onto Route 162, better known as the Pellissippi Parkway.
4. In about 6 miles, you will go through the small Solway community that primarily consists of gas stations. Continue over the Clinch River/Solway Bridge (bearing left), and past a local cemetery that will be on the right.
5. Once past the cemetery, bear left at the sign indicating the approach into Oak Ridge. In a mile or so, this will take you onto South Illinois Avenue. Most of the Oak Ridge hotels are located on South Illinois.

Directions from Airport Directly to Training Facility:

1. After you have crossed the bridge over the river and are next to the cemetery, you will see a sign that says "Bethel Valley Road. Closed to through traffic." That is the road that you want to take. Bear right onto Bethel Valley Road.

2. The training center will be on the left at the first intersection that you come to: the intersection of Bethel Valley Road and Pumphouse Rd. (to the left) and Scarboro Rd. (to the right). Turn left onto Pumphouse Road. There will be two entrances immediately on the left into the parking lot.
3. **IMPORTANT:** To enter the facility walk around to the front of the building. The building entrance that you must use is the one facing Bethel Valley Road closest to the intersection. Someone should be there to let you in. See attached photo. **DO NOT USE ANY OTHER BUILDING ENTRANCE!**

Directions from Oak Ridge to Training Facility:

1. Proceed south on South Illinois as if you were leaving Oak Ridge and going towards Knoxville or the Airport.
2. Bear right at the first intersection after McDonalds. You will now be heading south on Scarboro Road. Stay in the left lane since you do not want to be forced to turn right into the Y-12 Plant.
3. In approximately one mile you will come to the intersection with Bethel Valley Road (Knoxville is to the left and Oak Ridge National Laboratory is to the right). The training facility is on the south east corner of the intersection.
4. Go straight through the intersection onto Pumphouse Road. There will be two entrances immediately on the left into the parking lot.
5. **IMPORTANT:** To enter the facility; walk around to the front of the building. The building entrance that you must use is the one facing Bethel Valley Road closest to the intersection. Someone should be there to let you in. See attached photo. **DO NOT USE ANY OTHER BUILDING ENTRANCE!**



Google Earth Address of Training Facility: 35.983667 -84.222

LODGING

Be sure to ask if they have ORAU rate

<u>Candlewood Suites</u>	10206 Parkside Dr., Knoxville	865-777-0400	1-877-226-3539
<u>Comfort Inn</u>	433 S. Rutgers Ave.	865-481-8200	1-800-228-5150
<u>Days Inn</u>	206 S. Illinois Ave.	865-483-5615	1-800-329-7466
<u>Doubletree</u>	215 S. Illinois Ave.	865-481-2468	1-800-222-TREE
<u>Hampton Inn</u>	208 S. Illinois Ave.	865-482-7889	1-800-HAMPTON
<u>Hampton Inn & Suites</u>	11340 Campbell Lakes Dr, Knoxville	865-966-0303	
<u>Homewood Suites</u>	10935 Turkey Drive, Knoxville	865-777-0375	1-800-CALL-HOME
<u>Jameson Inn</u>	216 S. Rutgers Ave.	865-483-6809	1-800-JAMESON
<u>Staybridge Suites</u>	420 Illinois Avenue	865-483-0200	1-800-238-8000
<u>Westgate Apartments</u>	101-0 Gates Drive, Oak Ridge	865-481-0603	

TRANSPORTATION

Air travel reservations should be made to McGhee-Tyson Airport (TYS), Knoxville, TN, which is located 35 miles from Oak Ridge.

Airport/Airlines

<u>McGhee Tyson Airport</u>	865-970-2773
McGhee-Tyson Airport Information Directory	865-342-3000

<u>American Eagle</u>	1-800-433-7300
<u>American Airlines</u>	1-800-433-7300
<u>Comair</u>	1-800-354-9822
<u>Continental</u>	1-800-525-0280
<u>Delta</u>	1-800-221-1212
Delta - Lost Luggage:	1-800-325-8224
<u>Northwest Airlines</u>	1-800.225-2525
<u>United</u>	1-800.241-6522
<u>US Airways</u>	1-800.428-4322

Car Rental Agencies at the McGhee Tyson Airport

<u>Agency</u>	<u>Phone number</u>	<u>Reservations</u>
<u>Alamo</u>	865-342-3210	1.800.327.9633
<u>Avis</u>	865-342-3220	1-800-331-1212
<u>Budget</u>	865-342-3225	1-800-527-0700
<u>Enterprise</u>	865-342-1650	1-800-rent-a-car
<u>Hertz</u>	865-342-3232	1-800-654-3131
<u>National</u>	865-342-3240	1-800-227-7368
<u>Thrifty</u>	865-342-3250	1-800-367-2277

Enterprise in Oak Ridge: 608 Oak Ridge Turnpike, 865-483-8494 or 1-800-325-8007

Limousine Service

Limousine service (telephone 1-800-432-7923 or 865-671-2509) is available from the airport to Oak Ridge. Services must be reserved before you get to the airport (they would like a couple of days advance notice). They will bring you to any hotel in Oak Ridge or to our

facility. Service charge is \$40.00 for one way and \$80.00 round trip. Two or more transported together is \$22 each one way.

Taxis

Yellow Cab (Oak Ridge) 865-483-4343
ABC Taxi (at airport) 865-970-4545

There is no bus service in Oak Ridge

GENERAL INFORMATION

Registration will be in the PTP classroom (Room 135). Your schedule indicates the starting time of the course. You should report to ORISE **approximately ten minutes** before this time to complete registration forms and for class to start promptly. There will be a PTP staff member to greet you at the door of the building.

The PTP website will give you complete information about all our classes, schedules, registration, and payment methods.

You may have **mail** sent to you at the following address: Your name, Course Participant, Course Title (optional), Professional Training Programs, Oak Ridge Institute for Science and Education, P.O. Box 117, MS-11, Oak Ridge, TN 37831-0117. Incoming mail service is available twice daily.

Any **telephone calls** or **messages** for you will be received between the hours of 7:30 a.m. and 4:00 p.m. at 865-576-3576. Messages will be taken for you while you are in class (emergency calls will be relayed immediately).

Oak Ridge **banks** will not cash personal or company checks for participants. We encourage you to bring traveler's checks or enough cash for the duration of your visit.

NOTE: Since we will be providing you with course notebooks and materials, you may want to allow room in your suitcases for these resources. If you prefer to ship these notebooks and handouts, boxes will be provided.

You may wish to bring **recreation equipment** for backpacking, lake fishing, camping, tennis, volleyball, basketball, or jogging. During the winter, ski facilities are open in Gatlinburg, approximately 50 miles east of Oak Ridge.

Area Attractions

- Great Smoky Mountains National Park / Cades Cove... 69 miles
- Dollywood Theme Park ... 60 miles
- Gatlinburg / Pigeon Forge / Sevierville ... 58 miles
- Ripley's Aquarium of the Smokies (Gatlinburg) ... 58 miles
- Museum of Appalachia ... 15 miles
- Norris Dam State Park ... 22 miles
- Melton Hill Dam ... 6 miles
- Blue Ridge State Park ... 27 miles
- Frozen Head State Park ... 21 miles
- Big South Fork Natural Recreation Area (Oneida) ... 71 miles
- Neyland Stadium ... 26 miles

- University of Tennessee ... 26 miles
- Oak Ridge Arboretum ... 4 miles
- The Knoxville Zoo ... 28 miles
- American Museum Science and Energy ... 1 mile
- Windrock ATV Club (Oliver Springs) ... 8 miles
- The Lost Sea (Sweetwater) ... 52 miles
- Ocoee Whitewater Rafting ... 92 miles
- Tennessee Aquarium (Chattanooga) ... 111 miles
- Cumberland County Playhouse in Crossville ... 60 miles
- Historic British Colony in Rugby
- Biltmore Estate ... 139 miles