



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

(FSME-14-014, February, Training, H-111)

February 4, 2014

ALL AGREEMENT STATES

ACCEPTANCE TO THE ENVIRONMENTAL MONITORING COURSE (H-111) –  
RESCHEDULED APRIL 14-18, 2014 (FSME-14-014)

**PURPOSE:** To provide the list of students for the Environmental Monitoring Course (H-111) to each individual from your program that is on the list.

**BACKGROUND:** The 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 after this notification letter has been sent.

**DISCUSSION:** Enclosure 1 is the list of students from the States selected to attend the April 14-18, 2014, Environmental Monitoring Course (H-111). 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 NRC. Students should immediately make their travel arrangements through Carlson Wagonlit Travel at 1-800-453-8396 and then submit their travel information needed for NRC to issue their travel authorization. Download the Travel Application Form <http://nrc-stp.ornl.gov/training.html> and then send it to [ASTrainingandtravel.Resource@nrc.gov](mailto:ASTrainingandtravel.Resource@nrc.gov). Information should not be sent directly to Brenda Usilton. 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.

Students should be aware that you must be a U.S. Citizen to have access to the Oak Ridge site. If you are a foreign student and do not have citizenship, please contact Kristy Mashburn who is the registrar at Oak Ridge Universities at [Kristy.Mashburn@ornl.gov](mailto:Kristy.Mashburn@ornl.gov).

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.\*

\*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-14-014

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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 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
4. ORAU Information Packet

ENVIRONMENTAL MONITORING COURSE (H-111)

April 14-18, 2014

OAK RIDGE, TN

| STATE  | PARTICIPANTS                  |
|--|-------------------------------|
| <b>ARKANSAS</b> Dept. of Health<br>4815 W. Markham St., Slot 30 Little Rock, AR 72205-3867   | Angela Dyan Hill              |
| <b>CALIFORNIA</b> Dept. of Health<br>1500 Capitol Ave., 5 <sup>th</sup> Floor, MS7610 Sacramento, CA 94817                             | Eugene Forrer<br>Beverly Hill |
| <b>FLORIDA</b><br>Dept. of Health<br>4052 Bald Cypress Way, Bin C21 Tallahassee, FL 32399-1741   | Leon Larrivee                 |
| <b>ILLINOIS</b><br>Division of Nuclear Safety<br>1035 Outer Park Drive<br>Springfield, IL 62704  | Kathy Allen                   |
| <b>MAINE</b><br>Radiation Control Program<br>286 Water Street, 11 SHS<br>Augusta, ME 04333-0011  | Jean Geslin                   |
| <b>OREGON</b><br>Dept. of Human Services<br>800 NE Oregon Street, Suite 640<br>Portland, OR 97232-2162                                 | Sudhir Oberoi                 |
| <b>PENNSYLVANIA</b><br>Bureau of Radiation Protection<br>Rachel Carson State Office Bldg<br>P.O. Box 8469<br>Harrisburg, PA 17105-8469 | Farahat Darwish               |
| <b>VIRGINIA</b><br>Dept. of Health<br>James Madison Bldg.<br>109 Governor Street, Rm 730<br>Richmond, VA 23219                         | Brigid Mountain               |
| <b>WASHINGTON</b><br>Dept. of Health<br>111 Israel Road, SE<br>P.O. Box 47827<br>Olympia, WA 98504-7827                                | John Riley                    |

## 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-111), "Environmental Monitoring Course." This course is scheduled to be presented April 14-18, 2014 at the Oak Ridge Institute for Science and Education (ORISE) training center at 1299 Bethel Valley Road, Building SC-1 Annex, Oak Ridge, Tennessee 37830.

**COURSE:** The course starts at 8:00 a.m. on Monday, April 14, 2014, and will end at approximately 12:00 noon on Friday, April 18, 2014. 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 a car, or take a taxi to and from the training center. No rental cars will be authorized for travel. Please complete the Travel Application Form <http://nrc-stp.ornl.gov/training.html> and return it to [ASTrainingandtravel.Resource@nrc.gov](mailto:ASTrainingandtravel.Resource@nrc.gov). Information should not be sent directly to Brenda Usilton. If you have any questions regarding the travel form please contact Brenda on 301-415-2348. You will also need to go to the same website to receive a copy of the travel instructions and voucher for reimbursement. The **Federal** mileage rate for FY2014 changed to **56** cents per mile. You will also need a copy of your travel itinerary included in your voucher reimbursement. They will not process your voucher without it.

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 NRC courses. Students should bring a scientific calculator and know how to use it.

**NRC ENVIRONMENTAL MONITORING FOR RADIOACTIVITY  
(H-111)  
April 14-18, 2014**

| <b>DATE</b> | <b>TIME</b> | <b>TOPIC</b>   | <b>INSTRUCTOR(S)</b>  | <b>ROOM</b> |
|-------------|-------------|--|-----------------------|-------------|
| Monday,     | 8:00 AM     | Welcome, Registration, Orientation and Photo                                 | Frame                 | 135         |
| April 14    | 9:00 AM     | INTRODUCTION   | FRAME                 | 135         |
|             | 10:00 AM    | RADIONUCLIDE PATHWAYS  | FRAME                 | 135         |
|             | 11:00 AM    | BACKGROUND RADIOACTIVITY AND RADIATION                                       | FRAME                 | 135         |
|             | 12:00 N     | Lunch  |                       |             |
|             | 1:00 PM     | ENVIRONMENTAL MONITORING OVERVIEW  | FRAME                 | 135         |
|             | 2:30 PM     | ENVIRONMENTAL STANDARDS & REGS (NRC, EPA, DOE)                               | SPENCE                | 135         |
| Tuesday,    | 8:00 AM     | DIRECT RADIATION (TLDs, PICs, and NaI; Point Measurements and Surface Scans) | FRAME                 | 135         |
| April 15    | 9:30 AM     | ENVIRONMENTAL AIR SAMPLING   | FRAME                 | 135         |
|             | 11:30 AM    | Lunch  |                       |             |
|             | 12:30 PM    | Lab: A) Gamma Measurements   | Bernhardt/Estes/Boice | A.N.C.      |
|             |             | Lab: B) Air Sampling   | Frame/Worthington     | ORISE       |
|             | 2:30 PM     | Lab: A) Air Sampling   | Frame/Worthington     | ORISE       |
|             |             | Lab: B) Gamma Measurements   | Bernhardt/Estes/Boice | A.N.C.      |
| Wednesday   | 8:00 AM     | SOIL SAMPLING  | FRAME                 | 135         |
| April 16    | 9:30 AM     | SEDIMENT SAMPLING  | FRAME                 | 135         |
|             | 11:00 AM    | SAMPLING BIOTA AND FOOD PRODUCTS   | FRAME                 | 135         |
|             | 12:00 N     | Lunch  |                       |             |
|             | 1:00 PM     | Lab: A) Soil Sampling  | Frame/Worthington     | ORISE       |
|             |             | Lab: B) Gamma Measurements and Borehole Logging                              | Bernhardt/Estes/Boice | A.N.C.      |
|             | 2:45 PM     | Lab: A) Gamma Measurements and Borehole Logging                              | Bernhardt/Estes/Boice | A.N.C.      |
|             |             | Lab: B) Soil Sampling  | Frame/Worthington     | ORISE       |

|                       |                           |   |                   |        |
|-----------------------|---------------------------|---|-------------------|--------|
| Thursday,<br>April 17 | 8:00 AM                   | SAMPLE PROCESS                          | CONDRA            | 135    |
|                       | 10:30 AM                  | WATER SAMPLING: SURFACE AND GROUNDWATER | FRAME             | 135    |
|                       | 12:00 N                   | Lunch                                   |                   |        |
|                       | 1:00 PM                   | Lab: A) Water Sampling                  | Bernhardt         | ORISE  |
|                       |                           | Lab: B) Sediment Sampling               | Frame/Estes/Boice | A.N.C. |
| 2:30 PM               | Lab: A) Sediment Sampling | Frame/Estes/Boice                       | A.N.C.            |        |
|                       | Lab: B) Water Sampling    | Bernhardt                               | ORISE             |        |
| Friday,<br>April 18   | 8:00 AM                   | DECOMMISSIONING                         | FRAME             | 135    |
|                       | 9:00 AM                   | Lab: Sample Analysis                    | Frame/Worthington | 19     |
|                       | 10:00 AM                  | Electronic Resources                    | Frame             | 135    |
|                       | 11:30 AM                  | Review and Course Critiques             | Frame             | 135    |
|                       | 12:00 N                   | Adjourn                                 |                   |        |



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](mailto:Kristy.Mashburn@orau.org) or 865-576-3576 or [Tracy.Whitaker@orau.org](mailto: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)**

Enclosure 4

## **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 Rd. 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*

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

|   |              |
|---|--------------|
| <a href="#">McGhee Tyson Airport</a>          | 865-970-2773 |
| McGhee-Tyson Airport<br>Information Directory | 865-342-3000 |

|                                    |                |
|------------------------------------|----------------|
| <a href="#">American Eagle</a>     | 1-800-433-7300 |
| <a href="#">American Airlines</a>  | 1-800-433-7300 |
| <a href="#">Comair</a>             | 1-800-354-9822 |
| <a href="#">Continental</a>        | 1-800-525-0280 |
| <a href="#">Delta</a>              | 1-800-221-1212 |
| Delta - Lost Luggage:              | 1-800-325-8224 |
| <a href="#">Northwest Airlines</a> | 1-800-225-2525 |
| <a href="#">United</a>             | 1-800-241-6522 |
| <a href="#">US Airways</a>         | 1-800-428-4322 |

**Car Rental Agencies at the McGhee Tyson Airport**

| <u>Agency</u>              | <u>Phone number</u> | <u>Reservations</u> |
|----------------------------|---------------------|---------------------|
| <a href="#">Alamo</a>      | 865-342-3210        | 1-800-327-9633      |
| <a href="#">Avis</a>       | 865-342-3220        | 1-800-331-1212      |
| <a href="#">Budget</a>     | 865-342-3225        | 1-800-527-0700      |
| <a href="#">Enterprise</a> | 865-342-1650        | 1-800-rent-a-car    |
| <a href="#">Hertz</a>      | 865-342-3232        | 1-800-654-3131      |
| <a href="#">National</a>   | 865-342-3240        | 1-800-227-7368      |
| <a href="#">Thrifty</a>    | 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