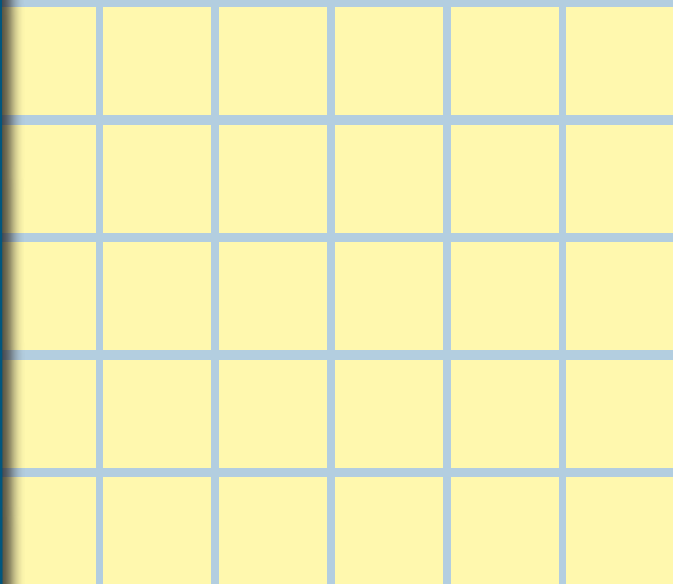
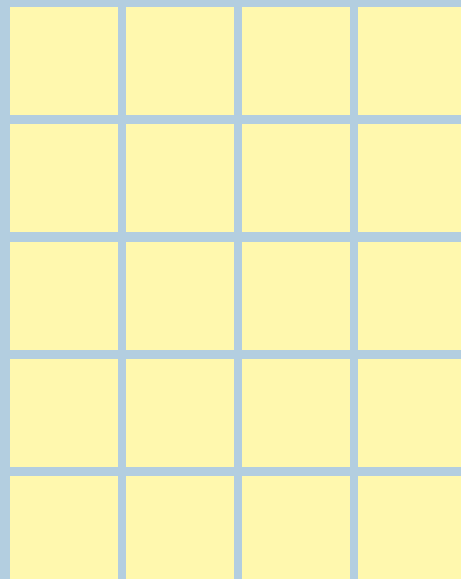




Dade Moeller

# Radiation Safety Academy



- 16 First Steps for New RSOs
1. Get copies of:
    - a. RSO Manual
    - b. License application materials
    - c. Assessment materials
    - d. Radiation Safety Program
    - e. Risk Characterization and Contingency Plans
    - f. Risk Assessment reports
  2. Meet with regulatory agency
  3. Communicate with regulators
  4. Review facility

# Dade Moeller Radiation Safety Academy

The Academy originated as a training and consulting practice founded by Raymond Johnson, MS, PE, CHP in 1984. Over the past 27 years, faculty and facilities have been added. The Academy now has three training centers (Gaithersburg, MD, Las Vegas, NV, and Acton, MA) and a full time professional training faculty of Certified Health Physicists (CHPs) with advanced degrees as well as part-time CHPs and several other staff who assist with training. The Academy's CHPs are recognized experts in radiation safety training and have decades of experience working in and managing radiation safety programs. We are ready to advise and assist you in support of your radiation safety program.



Although the Academy now offers 36 highly acclaimed classroom courses in radiation safety, our most popular course continues to be the 40-hour class to qualify Radiation Safety Officers (RSOs). Over 2,500 RSOs have graduated with rave reviews for the practical knowledge and experience of the faculty, as well as the outstanding training materials, facilities, and services. Academy faculty also frequently present customized training on site at government, industrial, academic, research, and medical facilities and for professional organizations around the US, Canada, and western Europe. The Academy introduced on-line web-based training in 2002 and now has 26 courses available at [www.moellerinc.com/webtraining](http://www.moellerinc.com/webtraining).



Within the industry, the Dade Moeller Radiation Safety Academy is known for providing high quality radiation safety training for those who want the best understanding and assurance of radiation safety.

## WHY HUNDREDS OF STUDENTS CHOOSE THE ACADEMY EACH YEAR

Dade Moeller Radiation Safety Academy	Other Training Companies
<b>Full Time Faculty</b> of National Experts, Including Board Certified Health Physicists (CHP)	?
<b>Free</b> Continental Breakfast <i>and</i> Lunch Provided Daily	?
Practical Instruction through <b>Show-and-Tell</b> and <b>Hands-on Exercises</b> with Live Radioactive Sources	?
<b>CHP, PhD and NRRPT Trainers</b> Provide Instruction in <b>All</b> Courses Taught at the Academy	?
State-of-the-Art <b>Training Centers</b> Offering: <ul style="list-style-type: none"> <li>• Wide array of <b>instruments and machines</b> for demonstrations and <b>hands-on</b> practice</li> <li>• Classrooms featuring <b>Smart-Board Technology</b> and high-back executive chairs for student comfort</li> <li>• Complete <b>kitchens</b> for student use</li> <li>• <b>Computer work centers</b> with printers for student use during instruction breaks</li> </ul>	?
<b>Free</b> Refresher Training with Select Courses	?
<b>Why choose ANYWHERE else ???</b>	

# Dade Moeller Radiation Safety Academy Training Courses

## Training for Safety Management & Persons Responsible for Radiation Safety

- Radiation Safety Officer, 5-day - Featured on Pgs. 6 & 7 ..... \$1,995
- Industrial Radiographer Training, 5-day - Featured on Pg. 16 ..... \$1,995
- Medical Radiation Safety Officer, 5-day - Featured on Pg. 8..... \$1,995
- **NEW** Development of Radiation Protection Program Improvement Plans, 4-day - Featured on Pg. 13 . \$1,580
- **NEW** Radiation Protection Fundamentals for Policymakers, 4-day - Featured on Pg. 14..... \$1,580
- Advanced RSO, 5-day - Featured on Pg. 16..... \$1,895
- Radiation Safety for Authorized Users and Supervisors, 3-day - Featured on Pg. 17 ..... \$1,095
- Site Characterization, Decontamination, and Decommissioning, 5-day ..... \$1,895
- Radiation Regulations, Licensing, Inspections and Compliance, 3-day ..... \$1,095
- How to Avoid Radiation Litigation, 2-day ..... \$795
- Laser Safety Officer, 1-5 day course options by Laser-Professionals Inc.  
Laser-Professionals.com 1-888-795-2737

## Radiation Worker Training Courses

- Radiation Safety Awareness, 1-day workshops..... Customized Course
- Basic Radiation Safety for Authorized Users, 1-day ..... \$395
- OSHA 8-hour Annual Refresher, 1-day ..... \$395
- Fluoroscopy Safety, 4-hour ..... \$275
- X-ray Safety for Industrial, Baggage, Analytical, & Cabinet Machines, 2-day - Featured on Pg. 17 ..... \$795
- DOT, NRC, & IATA Requirements for Shipping Radioactive Material, 2-day - Featured on Pg. 9 ..... \$795
- Low Level Radioactive & Mixed Waste Management, 3-day ..... \$1,095
- Naturally Occurring Radioactive Material (NORM), 3-day ..... \$1,095
- Radiation Safety Technician, 5-day ..... \$1,895
- Fundamentals of Liquid Scintillation Counting, 2-day ..... \$895
- Radiation Safety for Operators of Nuclear Gauges,  
Sealed Source Devices (Portable and Fixed), 2-day ..... \$795
- Radiation Instruments Workshop, 5-day - Featured on Pg. 15 ..... \$1,895
- DOE Radiological Worker Training I, 2-day ..... \$795
- DOE Radiological Worker Training II, 2-day ..... \$795

## Professional Development Training Courses

- CHP Exam Prep, 5-day - Featured on Pg. 12 ..... \$1,895
- NRRPT Exam Prep, 5-day - Featured on Pg. 12..... \$1,895
- Radiation Risk Communication, 3-day ..... \$1,095
- Counseling Radiation Workers, 3-day ..... \$1,095
- Training for the Radiation Safety Trainer, 3-day ..... \$1,095

## Homeland Security Workshops and Training Courses

- Radiation Safety for Homeland Security and Emergency Responders, 2-day ..... \$795
- How to Deal with the Terror of Nuclear Terrorism, 3-day ..... \$1,095
- Radiation Safety and Homeland Security, 1 to 8 hour workshops..... Customized Course

For courses that are not in this catalog or for more detailed course descriptions, sample agendas and registration information, please visit [www.moellerinc.com/academy](http://www.moellerinc.com/academy)

# Registration Information

## To Register for Classroom Courses:

1. Visit our website at [www.moellerinc.com/academy](http://www.moellerinc.com/academy) and register online, or
2. Call us to register and pay by phone at 1-800-871-7930.

### Courses and Dates for 2011 not featured in this catalog:

- **Low Level Radioactive & Mixed Waste Management, 3-day**  
Gaithersburg, MD Dates: March 14-16  
Las Vegas, NV Dates: October 17-19
- **Radiation Safety Technician, 5-day**  
Gaithersburg, MD Dates: March 14-18  
Las Vegas, NV Dates: October 17-21
- **Fundamentals of Liquid Scintillation Counting, 2-day**  
Gaithersburg, MD Dates: March 21-22, June 13-14, Sept 19-20 and Dec 12-13
- **Radiation Safety for Homeland Security and Emergency Responders, 2-day**  
Gaithersburg, MD Dates: March 14-15, June 7-8 and Nov 7-8  
Las Vegas, NV Dates: Sept 19-20
- **Naturally Occurring Radioactive Material (NORM), 3-day**  
Gaithersburg, MD Dates: February 28 - March 2  
Las Vegas, NV Dates: November 7-9
- **Laser Safety Officer, 1-5 day Course Options** by Laser-Professionals Inc.  
[Laser-Professionals.com](http://Laser-Professionals.com) 1-888-795-2737

Please call 1-800-871-7930 for information on these and other courses not described in this catalog.



The Dade Moeller Radiation Safety Academy has joined with University of Nevada Las Vegas, Department of Health Physics and Diagnostic Sciences to provide additional qualified instructors and analytical equipment to enhance the student's learning experience. UNLV has fully equipped laboratories such as: Spectroscopy Laboratory, Liquid Scintillation Laboratory, Hot Sample Preparation Laboratory,

Survey Instrument Laboratory and Environmental Radiochemistry Laboratory. We can now offer our Liquid Scintillation Counting Course and our Radiation Instruments Workshop in Las Vegas. The Department of Health Physics facility is located less than three miles from our Las Vegas Training Center and transportation is provided to the site for Dade Moeller Radiation Safety Academy students.

# Radiation Safety Academy Web-Based Training Services

[www.moellerinc.com/webtraining](http://www.moellerinc.com/webtraining)

The Academy web-based training provides 26 high quality courses available 24/7 for students located any where in the world with an internet connection. The Academy has also developed and hosted **customized web-based training** for several federal agencies as well as research and industrial facilities. Web-based training offers advantages for students who can complete required training in short blocks of time to fit busy schedules without traveling to a training center. Our web-based programs include extensive text material lavishly illustrated with pictures and graphics, audio narrative, large print option, a test to conclude each module, and a record of training results. Students with successful scores of 70% or better can print out their own training certificate at course completion.

## **Course selections include:**

### **Radiation Worker Training Courses**

- Basic Radiation Safety, 8 hours \$247
- Radioactive Waste Management and Disposal, 2 hours \$87
- Radioactive Material Package Receipt and Inspection, 2 hours \$47
- Fundamentals of Radiation Safety, 4 hours \$112
- Fluoroscopy Safety, 4 hours \$147
- Health Effects of Ionizing Radiation, 1 hour \$37
- X-ray Safety Awareness, 1 hour \$67

### **Radiation Worker Refresher Training Courses**

- Regulations, 1 hour \$37
- Detection Instruments, 1 hour \$37
- Safety Surveys, 1 hour \$37
- Radioactive Wastes, 1 hour \$37
- Safety Programs, 1 hour \$37
- Fluoroscopy Refresher, 1 hour \$47
- General Employee Radiation Safety Awareness, 1 hour \$47
- Fundamentals, 3 hours \$112
- OSHA HAZWOPER Refresher Training, 8 hours \$87

### **Hazardous Materials Transportation Courses**

- DOT, IATA & NRC Requirements for Shipping:
  - ✦ Limited Quantity Radioactive Materials with Radiation Fundamentals, 4 - 6 hours \$297
  - ✦ Limited Quantity Radioactive Materials, 4 hours \$237
  - ✦ Radioactive Empty Packages with Radiation Fundamentals, 4 - 6 hours \$297
  - ✦ Radioactive Empty Packages, 4 hours \$237
  - ✦ Radioactive Instruments and Articles with Radiation Fundamentals, 4 - 6 hours \$297
  - ✦ Radioactive Instruments and Articles, 4 hours \$237
- DOT Requirements for Shipping Model 451P Pressurized Ion Chambers, 1-2 hours \$97
- Hazardous Materials Transportation Security Awareness, 1 hour \$37
- Hazardous Materials Transportation General Awareness, 1 hour \$37

### **Homeland Security Workshops & Training Course**

- Radiation Safety and Homeland Security, 1 hour \$37



# Radiation Safety Officer (RSO)

**5-DAY COURSE (40-HOURS), \$1,995**

## **Course Description:**

This is our 22nd year offering training to qualify you as a Radiation Safety Officer. The Academy offers this course monthly with free refresher training for all former RSO students. We provide the technical information and practical experience to assure that you are well prepared to serve as an RSO. Instructors specialize in training for research, medical, biomedical, and educational programs, as well as for programs using sealed sources in irradiators, measurement devices, and gauges. We focus on how to meet the requirements of the U.S. Nuclear Regulatory Commission, Agreement States, and U.S. Department of Transportation (DOT). The RSO course consists of lectures, hands-on laboratory exercises, and extensive reference materials to assure your success as an RSO.

During the week, students must complete 32 hours of instruction in the following required subjects: radiation fundamentals, health risks, regulations, licensing, enforcement, dosimetry, instruments, statistics, quality assurance, DOT shipment and receipt of radioactive materials, program management, record keeping, emergency response, and preparing for inspections. Students must also complete 8 hours or more of instruction from the 23½ hours of elective subjects as shown on the adjacent RSO Course Agenda.

## **ADDITIONAL OPTION 1 - DOT HAZMAT: Additional \$200 Fee**

Students selecting this option (additional \$200 fee) will complete an additional four hours on shipping and receiving of radioactive materials. This class is designed to train workers in the requirements of the DOT as specified by 49 CFR 172 Subpart H and the NRC as specified by 10 CFR 71.5 and 10 CFR 20.1906. This module concludes with an examination. Students successfully completing the exam will receive an additional certificate documenting this training, which is valid for 3 years.

## **ADDITIONAL OPTION 2 - Liquid Scintillation Counting: Additional \$200 Fee**

Students selecting this option (additional \$200 fee) will complete an additional four hours on the fundamentals of liquid scintillation counting (LSC). The objective of this session is to provide students with a basic understanding of the principles of liquid scintillation counting for analysis of many types of samples.

## **Included Benefits:**

- Free online training course, "Fundamentals of Radiation Safety"
- Free one-time refresher training
- Comprehensive Training Manual
- Data CD containing supplemental reference material. You'll find copies of forms to use for surveying labs and posting rooms as well as sample spreadsheets for maintaining waste disposal records. The CD also contains several regulatory documents, including all 21 volumes of US NRC NUREG 1556.

## **Course Credits Offered:**

- AAHP 32 credits
- SNMT/ARRT Maximum of 42.5 VOICE Credits
- ABIH 6.68 CM Points

## **FREE REFRESHER TRAINING**

Whether you need to brush up on regulations or have questions about recordkeeping, all students graduating from the RSO course have the option of returning once to any of our locations to take the entire course again for free.



## COURSE TESTIMONIALS

*"I attended this course 12 years ago and was amazed then at the level of expertise provided in the course. This time they surpassed themselves. Extremely professional, very highly qualified staff that makes the course relevant to today's realities. I will not wait 12 years before my next visit. Highly recommend for both new and experienced RSO's. Everybody learns something new and applicable. Better than sliced bread."*

Bryan C. Staples  
FEMA

*"Radiation Safety with the technical and broad scope of work it entails was best exemplified in the course. The helpful attitude and friendly professional demeanor of the staff and not only through great knowledge, but great character, made this course something I was glad to attend. Better yet, it was something great to experience. Now, I feel more confident as an RSO. Hey, even the food was fantastic!"*

Dave Hurley  
Alliant Tech Systems, Inc.

*"I have attended several different training classes, on a wide variety of topics, at many different institutions. This facility and staff have far surpassed anything I have ever experienced in this field. I would highly recommend this course to anyone needing radiation training on any level!"*

Josh Swindell  
Energy Technologies Inc.

*"Do not take this course unless you are prepared to learn something. The instructors are experts, the information is presented in a logical order, and the environment is very conducive to learning."*

Dan Harrington  
Northrop Grumman

## Sample RSO Course Agenda

### Day 1

- 8:00 Introductions and Course Overview
- 11:00 Radiation and Radioactivity, Radioactive Decay
- 1:00 Radiation Units, Sources of Radiation
- 4:00 Health Effects and Daily Review
- \* 6:00 Training for the Radiation Safety Trainer (optional)
- 7:30 Adjourn

### Day 2

- 8:00 Radiation Protection Standards, 10 CFR Parts 19 & 20
- 10:00 Essential Highlights of 10 CFR Parts 2, 30, 31, 33
- \* 1:00 License Application and Amendments
- \* 1:00 Medical Radiation Safety
- 2:00 External Radiation Protection and Shielding
- \* 3:30 Internal Radiation Protection and Contamination Control
- \* 3:30 Sealed Source and Industrial Gauges
- \* 6:00 Math Review and Problem Solving (optional)
- 7:30 Adjourn

### Day 3

- 8:00 Radiation Survey Instruments
- 12:30 Instruments Lab, Applications & Trouble-shooting, Leak Tests
- 2:30 Emergency Response
- \* 3:30 Radiation Safety Surveys
- \* 3:30 Effective Communications for the RSO as a Manager and Instructor
- \* 5:30 Hands-on Laboratory Survey and PPE Exercise (optional)
- 7:00 Adjourn

### Day 4

- 8:00 Interpreting Radiation Measurements and Quality Assurance
- 9:30 Overview of Radioactive Material Transportation and Package Receiving
- 1:00 Developing a Training Program
- 2:00 Practical Record-keeping for RSOs
- \* 3:30 X-ray Safety
- \* 3:30 Radioactive Waste Management, Mixed Wastes, Waste Manifests
- \* 6:00 Reception (Refreshments)
- 7:00 Adjourn

### Day 5

- 8:00 Legal Implications: Radiation Litigation
- 9:30 First Steps as a New RSO
- 10:30 Radiation Protection Program Management, Preparing for Regulatory Inspections
- 12:00 Presentation of Certificates and Adjourn 40-Hour RSO Course
- \* 1:00 OPTION 1 - DOT HAZMAT Certification (additional fee)
- \* 1:00 OPTION 2 - Fundamentals of Liquid Scintillation Counting (additional fee)
- 5:00 Adjourn Optional Modules

Free Continental Breakfast and Lunch Provided Daily

\* Elective Choices

# Medical Radiation Safety Officer (MRSO)

5-DAY WORKSHOP, \$1,995

## Course Description

The use of radioactive materials in the medical field is continually evolving.

To help keep you current with new techniques and procedures, the Academy offers the Medical Radiation Safety Officer (MRSO) course for those managing or working with radioactive material in a medical environment. We offer this course regularly with free one-time refresher training for all former MRSO students.



This 5-day course is filled with comprehensive and useful information starting with a review of the responsibilities for managing radiation safety in a hospital. The days are packed with practical information including workshop discussions of real world experiences on numerous topics relevant to medical radiation safety as outlined in the agenda. We emphasize practical knowledge for implementing a successful and compliant radiation safety program at a reasonable cost that withstands rigorous radiation safety inspections.

### ADDITIONAL OPTION 1 - DOT HAZMAT: Additional \$200 fee

Please see RSO Course description on page 6 for more information.

### ADDITIONAL OPTION 2 - Liquid Scintillation Counting:

#### Additional \$200 fee

Please see RSO Course description on page 6 for more information.

### Included Benefits:

- Free one-time refresher training
- Comprehensive Medical Radiation Safety Manual

### Course Credits Offered:

- CAMPEP Up to 36 CE Credits (Advanced Approval Required)
- SNMT/ARRT 40.5 VOICE Credits
- AAHP 32 CE Credits
- ABIH 6.01 – 6.68 CM Points

*"I have just completed an extraordinary learning experience. The instructors clearly receive gratification from contributing to their students. However, they conduct the course such that the students have opportunity to share their experiences and knowledge. In fact the instructors, experienced and knowledgeable as they are, seem to appreciate the opportunity to learn from the sharing and resulting discussion by the students .....*

*If you simply need an RSO class to satisfy a requirement, you may want to consider other options; but if you really want to learn, this is the class for you!"*

Palmer Steward  
Genesis Medical Center, Davenport, IA  
Medical RSO Class

## Sample MRSO Course Agenda

### Day 1

- 7:45 Introduction, Course Overview, Risk Perceptions
- 9:00 Role of RSO in a Medical Setting
- 9:30 Health Effects
- 11:00 Radiation Protection Standards, Highlights of 10 CFR Part 19 & 20
- 3:00 Essential Highlights of 10 CFR Part 2, 30, 31, 33
- 4:00 Managing a Personnel Monitoring Program

### Day 2

- 8:00 Medical Use Licensing, 10 CFR Part 35
- 10:00 Security of Radioactive Materials and Increased Controls
- 11:00 Sealed Sources in Medicine, Blood Bank Irradiators, and Leak Tests
- 1:00 External Radiation Protection and Shielding
- 2:30 Internal Radiation Protection
- 4:00 Radiation Therapies: Teletherapy, Accelerators, Gamma Knife, Brachytherapy (HDR & LDR), Microspheres, Tomotherapy

### Day 3

- 8:00 Radiation Survey Instruments, Laboratory Instruments, Dose Calibrators
- 11:00 Instruments Applications & Troubleshooting
- 1:00 Instruments (hands-on) Lab
- 2:00 Radiation Safety in PET/CT Facilities
- 3:00 Radiation Safety in Nuclear Medicine
- 4:00 Managing <sup>131</sup>I Diagnostic Procedures, Therapeutic Procedures & Release of Patients

### Day 4

- 8:00 Shipping and Receiving Radioactive Materials for Medical Facilities
- 10:30 X-ray Safety, Registration, and Inspections
- 1:00 Emergency Response, Spills, Patient Care
- 2:00 Developing a Training Program- Medical
- 3:00 Radiation Safety Concerns with Fluoroscopy: Minimizing Doses to Patients & Staff
- 4:00 Medical Radioactive Waste Management, Mixed Wastes, Waste Manifests

### Day 5

- 8:00 Radiation Safety Surveys, Inspections, Audits in Medical Facilities
  - 10:00 Radiation Safety Program Management, Committees, & Human Use Involving Radiation
  - 12:00 Presentation of Certificates and Adjourn Workshop
  - 1:00 Fundamentals of Liquid Scintillation Counting (optional module, \$200 additional fee)
  - 1:00 DOT HAZMAT Certification Option (optional module, \$200 additional fee)
  - 5:00 Adjourn LSC/ DOT Option
- Free Continental Breakfast and Lunch Provided Daily



# DOT, NRC, & IATA Requirements for Shipping Radioactive Material

**2-DAY COURSE, \$795**

## Course Description:

This course is for persons involved in preparing or offering radioactive material for shipment. It is designed to enable workers to meet the training requirements of the U.S. Department of Transportation (DOT) as specified by 49 CFR 172 Subpart H, the U.S. Nuclear Regulatory Commission (NRC) as specified by 10 CFR 71.5, and the International Air Transport Association (IATA).

Course attendees are provided practical information to help them identify quantities of radioactive material that are regulated as hazardous materials when offered for shipment. We review requirements for shipping Type A and Type B packages, excepted packages for limited quantities, radioactive instruments or articles, low-specific activity materials, surface contaminated objects, and empty packages. NRC requirements for shipping radioactive wastes are also covered. Real-world in-class exercises are included. Due to time limitations, this course does not cover the detailed requirements for fissile materials, design of Type B packages, and highway-route controlled quantities.

Copies of pertinent shipping regulations and regulatory guides are provided in the course manual, which includes several checklists to assist in maintaining compliance with all regulatory requirements for shipping and receiving radioactive materials. Upon passing a required exam, students are provided a certificate, which may be used to document the training for employer certification, as required by 49 CFR 172.704(d).

## Included Benefits:

- Free online training course, "Hazardous Materials Transportation Security Awareness"
- Comprehensive training manual

## Course Credits Issued:

- |             |                           |
|-------------|---------------------------|
| • AAHP      | 24 - 32 CE Credits        |
| • ABIH      | 8.5 - 12 CEH              |
| • SNMT/ARRT | 1.34 - 2.67 VOICE Credits |

## Sample DOT, NRC, & IATA Requirements for Shipping Radioactive Material Agenda

### Day 1-Introduction to Transportation of Radioactive Materials

- 8:00 Introduction and Risk Perceptions
- 8:30 Sources of Radiation
- 9:30 Atomic Structure and Radioactivity
- 11:00 Radiation Health Risks
- 1:00 Radiation Detection Instruments
- 2:00 Review of DOT Training Materials
- 2:30 Applicability of DOT Regulations, DOT Training Regulations, General Awareness and Familiarization Video
- 3:30 Class Exercises
- 4:00 Definitions, Special Form, Normal Form, Categories of Radioactive Material
- 5:00 Adjourn

### Day 2- Shipping and Receiving RAM

- 8:00 NRC Regulations, General Requirements, Radiation Limits, Quality Control, Type A Packages, Type B Packages
- 9:00 Class Exercises
- 9:30 Hazmat Table and Hazard Communication (Marking, Labeling, Shipping Papers, Emergency Response, Placarding)
- 10:30 Class Exercises
- 11:00 Special Classifications (Limited Quantities, Instrument and Articles, Empty Packages, Low Specific Activity, Surface Contaminated Objects)
- 1:00 Class Exercises
- 1:30 Conveyance by Highway, Carrier Requirements, Registration, Incident Reporting, Package Receipt and Inspection, Low-level Radioactive Waste
- 3:00 Class Exercises
- 4:00 Questions and Answers, Course Critique
- 4:30 Written Exam
- 5:00 Review of Exam, Presentation of Certificates, Adjourn

**Free Continental Breakfast and Lunch Provided Daily**



**JANUARY**

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10 DOT Certification	11 Rad. Safety for Authorized Users Radiation Safety Officer	12	13	14	15
16	17	18	19	20	21	22
23/30	24/31	25	26	27	28	29
						Medical Radiation Safety Officer

**FEBRUARY**

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					
						Medical Radiation Safety Officer

**MAY**

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23 CHP/NRRPT Exam Prep	24 DOT Certification	25 Rad. Protection Fund. for Policymakers Medical Radiation Safety Officer	26	27	28
29	30	31				

**JUNE**

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

**SEPTEMBER**

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12 Rad. Safety for Authorized Users Radiation Safety Officer Medical Radiation Safety Officer	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

**OCTOBER**

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24/31	25	26	27	28	29
						Rad. Safety for Authorized Users Radiation Safety Officer

# COURSE CALENDAR

MARCH

S	M	T	W	T	F	S
		1	2	3	4	5
		Medical Radiation Safety Officer				
6	7	8	9	10	11	12
	Rad. Safety for Authorized Users		Rad. Protection Program Improvement			
	Radiation Safety Officer					
13	14	15	16	17	18	19
	DOT Certification		CHP/NRRPT Exam Prep			
20	21	22	23	24	25	26
	Rad. Safety for Authorized Users			Radiation Safety Officer		
27	28	29	30	31		
	Radiation Instruments Workshop					

APRIL

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
	DOT Certification		Advanced Radiation Safety Officer			
10	11	12	13	14	15	16
	Radiation Safety Officer					
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JULY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
	DOT Certification					
17	18	19	20	21	22	23
	Rad. Safety for Authorized Users			Radiation Safety Officer		
24/31	25	26	27	28	29	30
	Medical Radiation Safety Officer					

AUGUST

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
	DOT Certification		Radiation Instruments Workshop			
14	15	16	17	18	19	20
21	22	23	24	25	26	27
	Rad. Safety for Authorized Users			Radiation Safety Officer		
28	29	30	31			
	Rad. Protection Program Improvement Plans					

NOVEMBER

S	M	T	W	T	F	S
		1	2	3	4	5
	Advanced Radiation Safety Officer		CHP/NRRPT Exam Prep			
6	7	8	9	10	11	12
	Medical Radiation Safety Officer					
13	14	15	16	17	18	19
	DOT Certification		Rad. Safety for Authorized Users			
	Radiation Safety Officer					
20	21	22	23	24	25	26
27	28	29	30			

DECEMBER

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
	DOT Certification		Rad. Safety for Authorized Users		Rad. Protection Fund. for Policymakers	
	Radiation Safety Officer					
11	12	13	14	15	16	17
	Medical Radiation Safety Officer					
18	19	20	21	22	23	24
25	26	27	28	29	30	31

# CHP and NRRPT Examination Preparation

5-DAY COURSE, \$1,895

## Course Description:

Preparation for the ABHP Certification Part 1 and 2 exams or the NRRPT Certification exam requires individual commitment. Those successful are typically aided by intensive review and reinforcement. This course helps participants succeed. This one week course is designed to deliver useful and practical information needed to prepare for the ABHP Certification Part 1 and Part 2 exams or the NRRPT certification exam.

The course starts with a survey of the individual student's needs so that weaknesses can be addressed during the week. The material is presented via a student/instructor dialog and reinforced by problem-solving sessions facilitated by instructors specializing in the topics needed. A calculator is required.

Everyone intending to take Part 1 and/or Part 2 of the ABHP Certification Exam or the NRRPT Certification Exam will benefit from this course. Preparation and study prior to the course is recommended but not required.

Tuition assistance is available for students who are not sponsored by their employers. Please contact our registration department for details.

## Included Benefits:

- Fourth Edition of Introduction to Health Physics, text by Dr. Herman Cember.
- The Health Physics Solutions Manual: Introduction to Health Physics Problems Made Easy text
- Sample exam questions
- Comprehensive training manual

## Course Credits Offered

- AAHP 32 CE Credits for NRRPT Exam Prep Only
- ABIH 6.01 CM Points for NRRPT & CHP

## Sample CHP and NRRPT Examination Preparation Agenda

### Day 1

- 8:00 Introductions, course overview, strength/weakness survey
- 9:00 Radioactive Decay
- 1:00 Regulations
- 2:00 Interactions with Matter
- 5:00 Problem Solving Session 1 (Optional)
- 6:00 Adjourn

### Day 2

- 8:00 Chemical and Biological Effects
- 11:00 Dosimetry Basics, Internal Dose
- 1:00 Dosimetry Basics, Internal Dose (Continued)
- 3:00 Statistics
- 5:00 Problem Solving Session 2 (Optional)
- 6:00 Adjourn

### Day 3

- 8:00 Radiation Detection
- 1:00 X-ray Basics and Shielding
- 3:00 Atmospheric Transport
- 4:00 Waste Management
- 5:00 Problem Solving Session 3 (Optional)
- 6:00 Adjourn

### Day 4

- 8:00 Transportation
- 9:00 Lasers
- 1:00 Emergency Response, Protective Action Guides
- 2:00 Non-ionizing Radiation
- 4:00 Air Sampling and Respiratory Protection
- 5:00 MARSSIM/MARSAME/RESRAD
- 6:00 Adjourn

### Day 5

- 8:00 Criticality
- 10:00 External Dosimetry, Gamma/Neutron Shielding
- 12:00 Course Evaluation and Adjourn
- Free Continental Breakfast and Lunch Provided Daily

## COURSE TESTIMONIALS

*"I found the course very stimulating after the initial review section. The instructors were very knowledgeable and took whatever time was necessary for the students to understand a concept they were having difficulty with. The course is very interactive and the materials received should prove quite valuable in studying for the CHP exam."*

*Dennis Ryan  
Brookhaven National Lab*

# NEW COURSE: Development of Radiation Protection Program Improvement Plans

**4-DAY COURSE, \$1,580**

## **Course Description:**

As the saying goes, "There is always room for improvement". However, there are few opportunities to learn how to rigorously evaluate our programs in an unbiased and systematic way, to set improvement goals and develop a formal program improvement plan. The objective of this course is to do just that.

The curriculum is organized, after the careful examination of a case study, to provide time to assist the class participants in starting to apply the lessons learned in the class to their own programs.

The course is designed to be of use to a spectrum of individuals involved in the management, oversight and, implementation of a radiation protection program, including RSOs to Program Directors. Intimate familiarity with a radiation protection program and access to the program's documentation are desirable to achieve the maximum value from the last day's workshop.

## **Included Benefits:**

- Comprehensive training manual

## **Course Credits Offered**

- AAHP 32 CE Credits
- ABIH 4.76 CM Points



## Sample CHP and NRRPT Examination Preparation Agenda

### **Day 1 Program Evaluation**

**8:00-8:30 Introduction and Course Overview**

**8:30-9:00 Evaluation Criteria: Do You Have a Program?, Is The Program Communicated?, Is The Program Implemented?, How Do You Know?**

**9:00-10:30 Do You Have A Program?: Program Elements, Strategy, Structure, People, Processes, Resources, Knowledge, Management Support, and Evaluation Guidance**

**10:30-12:00 Is The Program Communicated?: Management Involvement, Documentation, & Training**

**1:00-2:30 Is The Program Implemented?: Management Support, Assignment Of Roles and Responsibilities, Procedures, Incentives/Enforcement, & Resources**

**2:30-5:00 How Do You Know?: ISO, Employee Feedback Loop, & External Inputs**

### **Day 2 Program Improvement Plans**

**8:00-10:30 Program Improvement Plans: Objective, Content Requirements, Format, Improvement Metrics, & Model Program Prototypes**

**10:30-12:00 USA Regulatory**

**1:00-2:30 Integrated Safety Management System**

**2:30-5:00 International Standards Organization**

### **Day 3 Case Study**

**8:00-9:00 Desired Program Goals (By Program Element)**

**9:00-10:00 Existing Impediments to Achieving Goals (By Program Element)**

**10:00-11:00 Delta Analysis of Evaluation Findings Vs. Desired Goals, Addressing Impediments**

**11:00-12:00 Improvement Strategy (By Program Element)**

**1:00-2:00 Improvement Action Plan (By Program Element)**

**2:00-3:00 Assignment of Responsibility for Improvement Actions**

**3:00-4:00 Improvement Schedule (By Program Element)**

**4:00-5:00 Action Plan Project Management**

### **Day 4 Program Plan Development Workshop**

**8:00-12:00 Student Improvement Plan Development Exercise**

**1:00-3:00 Student Improvement Plan Exercise Reports**

**3:00-3:30 Course Evaluation and Presentation of Certificates**

**Free Continental Breakfast and Lunch  
Provided Daily**

# NEW COURSE: Radiation Protection Fundamentals for Policymakers

**4-DAY COURSE, \$1,580**

## **Course Description:**

Over the past few years economic and technology conditions have lead to significant changes to the prevailing business models. One of the results of these changes has been the consolidation of responsibilities and the integration of related programs. This consolidation has lead to the need for both government and corporate policymakers to make crucial decisions in topical areas outside of their educational or occupational experience.

This situation is prevalent in the area of Radiation Protection because of the diverse scope of activities that involve radiation and radioactive materials, the wide range of organizations and institutions that use such machines and materials, and the paucity of individuals currently being trained in this area.

This four day course is designed to familiarize all levels of policymakers from various types of organizations and institutions with the fundamentals of radiation protection without using mathematics at a burdensome level. The objective of the course is to cover a wide range of radiation protection topics, focusing on the ones that are the most often the basis of programmatic decision making. Evening opportunities to discuss individual class participant interests are integrated into the course schedule.

## **Included Benefits:**

- Comprehensive training manual

## **Course Credits Issued:**

- AAHP 32 CE Credits
- ABIH 4.93 CM Points

## **Radiation Protection Fundamentals for Policymakers**

### *Day 1*

- 8:00-9:00** *Introductions and course overview*
- 9:00-10:00** *Atomic and nuclear structure*
- 10:00-12:00** *Introduction to radiation and radioactivity*
- 1:00-3:00** *Radiological decay*
- 3:00-4:00** *Sources of radiation*
- 4:00-5:00** *Radiation units*
- 5:00-6:00** *Math review and problem solving (optional)*

### *Day 2*

- 8:00-10:00** *Radiation interactions with matter*
- 10:00-12:00** *Radiation measurement instrumentation*
- 1:00-2:00** *Radiation dosimetry*
- 2:00-3:00** *Radiological health effects*
- 3:00-4:00** *Radiation protection standards*
- 4:00-5:00** *External radiation protection*
- 5:00-6:30** *Student interest workshop (optional)*

### *Day 3*

- 8:00-9:30** *Internal radiation protection and contamination control*
- 9:30-10:30** *Radiation safety surveys and quality assurance*
- 10:30-12:00** *Radioactive materials management*
- 1:00-3:00** *Radioactive material transportation and packaging*
- 3:00-5:00** *Radioactive waste management*
- 5:00-6:30** *Student interest workshop (optional)*

### *Day 4*

- 8:00-9:00** *Radiation protection program elements*
- 9:00-10:30** *Radiation protection program management, evaluation/metrics*
- 10:30-12:00** *Personnel training requirements*
- 1:00-2:00** *Emergency preparedness*
- 2:00-3:00** *Recordkeeping requirements/ Preparing for regulatory inspections*
- 3:00-4:00** *Legal implications: radiation litigation*
- 4:00-4:30** *Course Evaluation and Presentation of Certificates*

**Free Continental Breakfast and Lunch  
Provided Daily**



# Radiation Instruments Workshop

**5-DAY WORKSHOP, \$1,895**

## Course Description:

We have teamed with University of Nevada Las Vegas, Department of Health Physics and will have access to faculty and use of their state of the art analytical lab which is less than 10 minutes from our Las Vegas Training Center.

This workshop provides practical hands-on experience with a variety of portable and laboratory radiation instruments. Our faculty have the know-how to present the material and the real-world experience to provide the explanations for why it matters. The course will cover portable instruments including ion chambers, proportional counters, GM meters, and a variety of NaI, plastic, and ZnS scintillation detectors. The course will also cover laboratory instruments including proportional counters, NaI and solid state detectors, and liquid scintillation counters. We will emphasize how to choose the best instruments for your needs, how to set up and assure that instruments are working properly, how to properly and appropriately use each instrument, and how to calibrate each instrument. The course also provides instruction on interpreting radiation measurements, ensuring quality assurance, and troubleshooting instrument failures.

This course emphasizes practical hands-on exercises that will cover instrument calibrations and collection of survey and dosimetry measurements.

## Included Benefits:

- Comprehensive training manual

## Course Credits Offered

- AAHP 32 CE Credits
- ABIH 6.01 CM Points



## Sample Radiation Instruments Workshop Agenda

### Day 1

- 8:00 Introduction and Course Overview
- 8:30 Radiation and Radioactivity, Radiation Decay
- 10:00 Introduction to Principles of Radiation Measurements-Portable Instruments, Gas Ionization, Scintillation (NaI, ZnS, Plastic)
- 1:00 Introduction to Principles continued
- 4:00 Hands-on Exposure Measurements
- 5:00 Adjourn

### Day 2

- 8:00 Principles of Gamma Spectroscopy
- 11:00 Gas Proportional Detectors, Operation
- 1:00 Gamma Spectroscopy Laboratory Exercises, Peak Collection and Identification, Resolution and FWHM Calculation
- 3:00 Hands-on Exercises: Surveys with Gas Proportional Detectors; Exposure Meter Calibrations
- 5:00 Adjourn

### Day 3

- 8:00 Principles of Liquid Scintillation Counting, Quench, LSC Calibration and Quench Correction
- 1:00 Liquid Scintillation Counting Laboratory, MDA, X2, Sample Preparation (Smears, Bioassays), Analysis, Reporting, Programming your LSC
- 5:00 Adjourn

### Day 4

- 8:00 Interpreting Radiation Measurements, Radiation Statistics
- 10:00 Quality Assurance Programs
- 1:00 Radiation Surveys and Sampling
- 4:00 Decommissioning Surveys and MARSSIM-Instrumentation Requirements
- 5:00 Adjourn

### Day 5

- 8:00 Choosing the Right Instrument, Operational Checks, Troubleshooting
- 9:00 Instrument Calibration Exercise
- 9:30 Conducting and Documenting Radiation Survey Measurements
- 10:30 Life in the Real World; Situational Problems (Research Laboratories, Gauges, Emergency Response, Security Issues)
- 11:30 Course Summary and Evaluation
- 12:00 Presentation of Certificates and Adjourn

Free Continental Breakfast and Lunch Provided Daily

# Advanced Radiation Safety Officer

5-DAY WORKSHOP, \$1,895

## Course Description:

This workshop offers advanced training for experienced RSOs, health physicists, and specialists in radiation safety who have previously completed a 40-hour RSO course (or equivalent experience).

Topics include practical real-world assessments of radiation safety programs, HAZMAT and emergency response, radioactive and mixed waste management, bioassay programs, ALARA programs, DOT shipping and receiving requirements, BEIR IV, V, VI, risk communication and safety program implementation, instruments (failure troubleshooting, calibration, QA, and data interpretation), regulations (licensing, compliance, and enforcement), a review of NUREGs, MARSSIM and decommissioning, dosimetry review, risk assessment, and radiation litigation avoidance.

The workshop will include a review of standards development, risk assessment, probability of causation, and dosimetry based on pertinent reports from ICRP, NCRP, IAEA, IRPA, UNSCEAR, EPA, and BEIR.

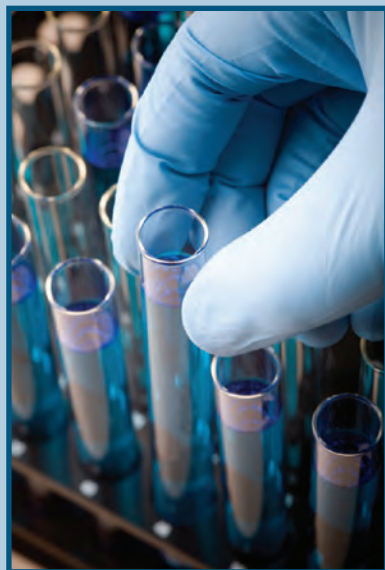
## Included Benefits:

- Comprehensive training manual
- Data CD containing supplemental reference material. You'll find copies of forms to use for surveying labs and posting rooms as well as sample spreadsheets for maintaining waste disposal records. The CD also contains several regulatory documents, including all 21 volumes of US NRC NUREG 1556.

## Course Credits Offered

- AAHP 32 CE Credits
- ABIH 6.01 CM Points

For a detailed course agenda, please visit [www.moellerinc.com/academy](http://www.moellerinc.com/academy)



# Industrial Radiographer Training

5-DAY WORKSHOP, \$1,895

## Course Description:

This 40-hour class is intended to meet State and Federal regulatory requirements for initial training to practice radiography with radioactive materials or x-ray machines.

This course will draw upon over 100 years of practical experience of the faculty. Practical classroom training will be provided by experienced career professional health physicists certified by the American Board of Health Physics and radiation safety professionals certified by the American Society for Nondestructive Testing, Inc. (ASNT). This course is not intended to be about theory or math. We will provide sufficient understanding of radiation theory and math to assure a minimum level of comfort in conducting radiographic operations. Our course will focus on practical things you need to know to pass the ASNT examination, work safely as a radiographer, and meet regulatory requirements. An examination will be given at the end of the course as a Practice Test to help attendees prepare for the ASNT certification examination for Industrial Radiography Radiation Safety Personnel (IRRSP).

## Course Approval:

- This course is now approved by the State of Texas

## Included Benefits:

- Comprehensive training manual

For a detailed course agenda, please visit [www.moellerinc.com/academy](http://www.moellerinc.com/academy)



## COURSE TESTIMONIALS

*It was remarkable, the knowledge base of the instructors and their ability to transfer that information over a wide spectrum of students' jobs... the risk assessment, training for radiation trainers and a great review of regulations. Through this class, I have gained a broader knowledge and better perspective of "the bigger picture".*

**Mike Warner**  
U.S. Capitol Police



# X-ray Safety for Industrial, Baggage, Analytical, & Cabinet Machines

**2 DAY COURSE, \$795**

## Course Description:

This workshop is for people who have responsibilities for X-ray safety or who work with the following types of open or closed beam (non-medical) X-ray machines:

- Baggage (or product) inspection systems
- Industrial X-ray systems
- Cabinet X-ray systems
- Analytical machines
- Density and thickness gauges

This workshop provides a thorough review of the fundamentals of radiation safety and focuses on the specifics of X-ray production, interactions and health effects of X-rays, state and federal regulatory requirements for X-ray safety. Comprehensive and practical information is provided on dose limits, radiation instruments and conducting X-ray safety surveys (hands-on), operating and emergency response procedures, causes of accidents, personnel monitoring, shielding, X-ray safety controls and postings, fail-safe interlocks, shutter controls, warning signals and devices, and responsibilities for X-ray safety.

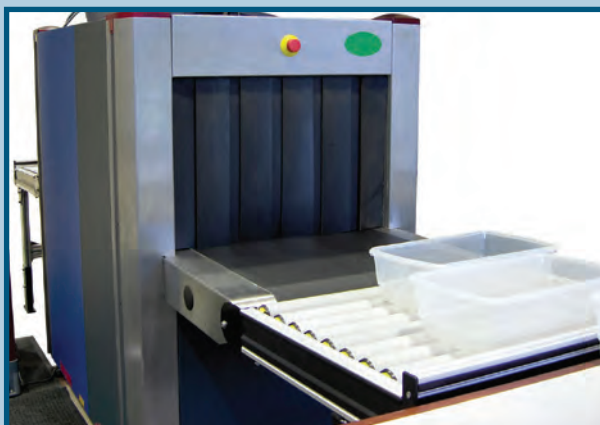
## Included Benefits:

- Comprehensive training manual

## Course Credits Issued:

- AAHP 16 CE Credits
- ABIH 2.67 CM Points

For a detailed course agenda, please visit [www.moellerinc.com/academy](http://www.moellerinc.com/academy)



# Radiation Safety for Authorized Users and Supervisors of Radioactive Materials

**3-DAY COURSE, \$1,095**

## Course Description:

This course is designed for those individuals working under a non-medical license who are delegated responsibility as an Authorized User to supervise the use of radioactive materials. An Authorized User (Principal Investigator) is often named on a radioactive materials license. We emphasize practical knowledge. This course is designed to provide training to those required or desiring to become authorized to use and supervise the use of radioactive materials.

## Included Benefits:

- Comprehensive training manual

## Course Credits Offered

- AAHP 32 CE Credits
- ABIH 4.01 CM Points
- SNMT/ARRT Up to 24 VOICE Credits

For a detailed course agenda, please visit [www.moellerinc.com/academy](http://www.moellerinc.com/academy)



*"This is a terrific course, full of practical applications, and taught by knowledgeable, friendly instructors. I recommend it to anyone wanting to further their knowledge of working with radioactive materials."*

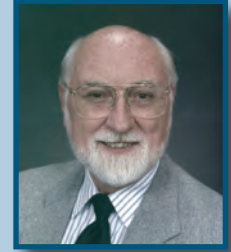
*Heather Collins  
Invitrogen*

# Dade Moeller Radiation Safety Academy Instructors

## Ray Johnson, MS, PE, CHP

*Vice President, Training Programs, Senior Health Physicist*

Ray has over 40 years of experience; provides consulting that includes sealed source device registrations, license applications and amendments, safety plan development, program audits, radiation risk assessment, dosimetry analysis and documentation, and decommissioning. Ray specializes in training on sealed sources, industrial gauge and X-ray, radiation instruments, licensing and audits, risk communication.



## Kelly Austin, MS, CHP

*Academy Training Manager, Senior Health Physicist*

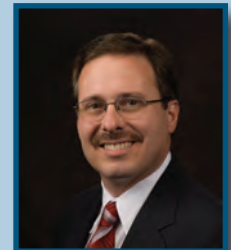
Kelly has over 20 years experience in operational health physics. She provides consulting that includes RSO services, program audits, license applications, renewals and amendments, irradiators, exposure investigations, and X-ray safety. Kelly specializes in training on medical radiation safety, radiation fundamentals, licensing, dosimetry, and fluoroscopy safety.



## Sean Austin, MS, CHP

*Vice President, Commercial Program Development, Senior Health Physicist*

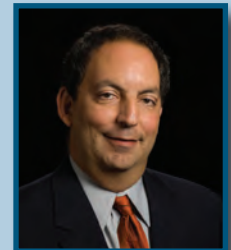
Sean has over 20 years of experience; provides consulting that includes RSO services, sealed source device registrations, license applications and amendments, program audits, RAM inventory, disposal including mixed waste management, and decommissioning. Sean specializes in training on instruments, waste management, regulations, licensing, and transportation, shipping and receiving of RAM.



## Dr. Alan Fellman, CHP

*Eastern Consulting and Lab Operations Manager, Senior Health Physicist*

Alan has over 20 years of experience; provides consulting that includes RSO services, sealed source device registrations, license applications and amendments, safety plan development, program audits, radiation risk assessment, dosimetry analysis and documentation, and decommissioning. Alan specializes in training on radiation fundamentals, regulations, dosimetry, health risk assessment, and inspections and audits.



## Dr. David Waite, CHP, CHMM

*Senior Health Physicist*

Dr. Waite is an internationally recognized expert in ISM, radiological health & waste management with 45 years of experience in health physics, environmental radioactivity, nuclear and mixed waste management, risk assessment, and large program management. David specializes in training for problem solving required for certification exams; and radiation program development, implementation, improvement and management.



## Additional Instructors Include:

Dr. Brian Dodd

Mike Jedlicka, BS

Dr. Ed Maher, CHP

Mike Nolan, NRRPT

# Dade Moeller Radiation Safety Academy Training Locations

## Las Vegas Training Center

Dade Moeller Radiation Safety Academy  
4100 West Flamingo Road, Suite 2200  
Las Vegas, NV 89103  
1-800-871-7930

Dade Moeller Radiation Safety Academy's Las Vegas Training Center offers approximately 5,000 square feet of training and office space, including two large classrooms and a relaxing break area. The classrooms contain state of the art projection/audio systems and a computerized projection board. It is conveniently located in the Vantage Pointe office complex, across the street from the Palms Resort and Casino and adjacent to the Gold Coast Hotel and Casino. Our training center is within 6 miles of the McCarran International Airport and less than 2 miles from the Las Vegas strip. Some of our courses offered in Las Vegas may include field trips to UNLV laboratory facilities. Call for details!



## Gaithersburg Training Center

Dade Moeller Radiation Safety Academy  
438 N. Frederick Ave, Suite 220  
Gaithersburg, MD 20877  
Phone: 301-990-6006 / 1-800-871-7930  
Fax: 301-990-9878

Dade Moeller Radiation Safety Academy's Gaithersburg Training Center is located in Gaithersburg, MD in the greater Washington DC Metropolitan region. The Training Center has two large classrooms equipped with projection/audio systems and a computerized projection board. This Center includes a licensed and operational analytical laboratory and radiation detector calibration facility as well as offices and an extensive collection of radioactive antiques. This Training Center can be reached easily from all three Washington Area airports: Reagan National Airport, Baltimore Washington International (BWI) Airport, and Dulles International Airport. Several hotels and restaurants are nearby.



## Acton, Massachusetts Training Site

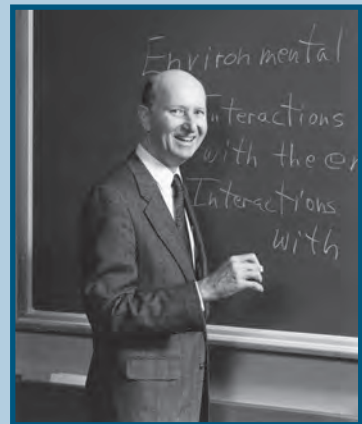
Dade Moeller Radiation Safety Academy  
One Acton Place, Suite 201  
Acton, MA 01720  
1-800-871-7930

To better serve the New England area, Dade Moeller Radiation Safety Academy offers training courses near the Dade Moeller & Associates offices at One Acton Place in picturesque Acton, Massachusetts. Acton is a suburban town about twenty miles west-northwest of Boston, west of Lexington and Concord, made famous during the American Revolutionary War. This training site is conveniently served by Logan International Airport, Manchester-Boston Regional Airport (NH), and TF Green International Airport in Rhode Island.



# *Dade Moeller*®

Founded in 1994, our Company proudly bears the name of the preeminent scientist and educator in the fields of health physics and environmental health, Dr. Dade W. Moeller, CHP, PE. Today, Dade Moeller & Associates offers best-in-class capabilities and exceptional depth in radiation protection, health physics, training, and worker safety. In all our work, we are dedicated to meeting the highest standards for professional integrity, job commitment, and technical excellence—the hallmarks embodied by Dr. Moeller throughout his distinguished career of more than 60 years.



Dade Moeller provides a full range of safety, health, and environmental services with a focus on clients who possess radioactive materials and operate nuclear facilities. We help our clients who protect human health and the environment from harmful exposure to radiation and hazardous agents, and comply with Federal and state regulations. We employ over 100 experienced professionals, including more Certified Health Physicists than any other private entity in the nation; Certified Industrial Hygienists; Certified Safety Professionals; and Professional Engineers. Our staff includes renowned leaders in virtually every area of radiation protection, and many have contributed to national and international policies, regulations, and industrial standards in their fields of expertise. In addition to our radiation and safety training, the staff is available to assist with:

- Radiological & Nuclear Services (Audits & Assessments; Dosimetry & Laboratory Services; Decontamination & Decommissioning; Waste Management)
- Occupational Safety & Health (Audits & Assessments; Incident/Accident Investigation; Industrial Hygiene & Safety; Quality Assurance)
- Environmental Protection (Audits; Compliance, Permits & Licensing; NEPA; Quality Assurance)

**Corporate Headquarters**  
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**(509) 946-0410 • [www.moellerinc.com](http://www.moellerinc.com)**