

--- Radiation Safety News ---

THE DADE MOELLER TRAINING ACADEMY NEWSLETTER



December 2011 Vol 2 : Issue 3

Dear Michelle,

Inside this edition of the Dade Moeller Training Academy Newsletter, you'll find articles to keep you up-to-date on the latest news from the NRC, Agreement States, US DOT, and much more...

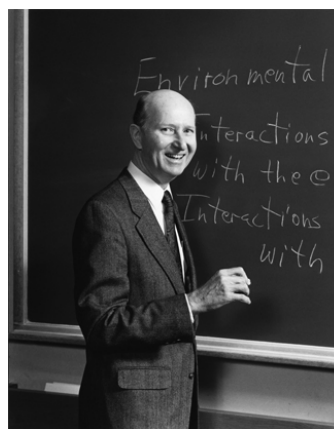
Honoring Dr. Dade W. Moeller

It is with profound sadness that we announce the death of our namesake, Dade W. Moeller. He passed away peacefully at home from complications due to cancer on September 26, 2011, in New Bern, N.C. Dade enjoyed 84 years of vitality, learning, teaching, love, and laughter.

"Dade was more than our company's namesake," said son and CEO Matt Moeller. "He was the very inspiration from which we built this remarkable company, and the principles by which he lived his life are now our corporate core values -- professional integrity, job commitment, and technical excellence."

"Dade's memory, his reputation, his passion for science, and his commitment to excellence and hard work will live on through every individual that makes this company what it is," said Matt. "Together, we are Dade Moeller."

For more information on the life of Dr. Moeller, please click [HERE](#).



Dr. Dade W. Moeller
1927-2011

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New Name - Same Outstanding Service!

Over the years, both as the Radiation Safety Academy founded by Ray Johnson in 1984 and, since 2007, as a division of Dade Moeller, we have made quite a name for ourselves. We have trained more than

11,400 people, and the kudos we have received over these past 28 years have proven the value we add to the professional lives of our students.

Based on this solid reputation, along with the growth our company is experiencing, we have decided to expand our training offerings beyond radiation safety. Our 2012 [course schedule](#) includes seven new courses in industrial hygiene and worker safety. Our flagship course is a 5-day class titled "[Industrial Hygiene Fundamentals for Non-Industrial Hygienists](#)," and we also will be offering courses on the National Fire Protection Association's Life Safety Code, Process Safety Management and Risk Management Planning, and Facilities Hazards Assessments. We are excited to expand our reach to new students and have the opportunity to positively impact workplace safety through them.

Because we are diversifying our training offerings beyond radiation safety, we recognized the need to reflect this change in the name of our Academy. As such, we are pleased to introduce you to our new name...!

Dade Moeller Training Academy

Specializing in Radiation and Occupational Safety Training

Dade Moeller Radioanalytical and Calibration Laboratory Opens in Oak Ridge

We are pleased to announce that Dade Moeller's new Oak Ridge, Tennessee, [Radioanalytical and Calibration Laboratory](#) is open for business, offering sample analysis, radioactive sealed source leak testing, and instrument calibration services. The Laboratory, previously located in Gaithersburg, Maryland, currently serves 100 private sector clients and was moved to better meet the needs of current and future operations. Dade Moeller also expanded its Oak Ridge office space to accommodate the Laboratory and [planned company growth](#).

"Since opening our office in Oak Ridge one year ago," said Eastern Operations Vice President Darrin Lawrence, "we have successfully established our presence supporting Health and Safety, Environmental, and Radiological programs in the Oak Ridge complex. Relocating our Laboratory promotes further growth in Oak Ridge, and allows us to capitalize on additional personnel and equipment resources to expand the depth and quality of our services."

The Laboratory's liquid scintillation and gamma counting technology can process different types of samples, including swipes and smears, sealed source leak tests, liquid waste samples, and filter or swab tests. Dade Moeller also maintains NIST-traceable radioactive sources for use in instrument calibration, including a 1.6-Curie Cesium-137 source under Tennessee license number R-01111-J21. To date, Dade Moeller has processed 98,570 sample analyses, 78,950 sealed source leak tests, and 580 calibrations through the Laboratory at its former Maryland location.

Dade Moeller's office expansion included the 800 square foot Laboratory, 10 new offices, a second conference room, and reception and kitchen areas. The office is located in Suite C-104 of the Pine Ridge Office Park at 704 S. Illinois Avenue, Oak Ridge, Tennessee, 37830.

Learn more [HERE!](#)

Dade Moeller and EnergX Partner to Expand Reach of Worker Safety Training

U.S. Department of Energy contractors Dade Moeller and EnergX [announce](#) their new partnership, aimed at meeting the demand for high-quality industrial hygiene and occupational safety training across the country. The collaboration promotes seven courses offered at shared facilities in Oak Ridge, Tennessee; Gaithersburg, Maryland; Las Vegas, Nevada; and Richland, Washington.



The forward-thinking partnership arose from a mutual respect for each other's expertise, experience, and reputation, as well as a shared commitment to excellence. By pooling their faculty, facilities, and marketing resources, Dade Moeller and EnergX can expand their client bases while keeping costs to students low.

"Partnering with EnergX makes good business sense," said Dade Moeller President David McCormack. "EnergX is well respected in Oak Ridge, where we currently are expanding, as well as here locally at Hanford, and, by working together, we will positively impact each other's breadth and depth."

"By leveraging Dade Moeller's solid reputation, we will reach new customers with our well-honed worker safety courses," said EnergX President and CEO Anthony Buhl. "We are pleased to partner with a company that shares our vision for ensuring capable, qualified, safety-minded workforces."

Detailed in the Dade Moeller Training Academy's [2012 Course Catalog](#), mailed this month to more than 27,000 recipients, Dade Moeller and EnergX offer jointly the following training courses in 2012:

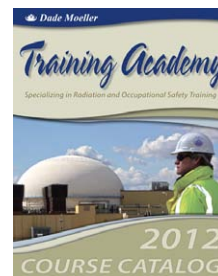
- **Industrial Hygiene Fundamentals for Non-Industrial Hygienists.** For safety, health, and environmental professionals or managers with Industrial Hygiene responsibilities but limited training or experience. (May 14-18 Richland; September 17-21 Las Vegas) [course description](#)
- **Accident Investigation.** For those responsible for conducting investigations of workplace accidents and events (March 26-28 Oak Ridge; May 14-16 Las Vegas; June 4-6 Richland; August 6-8 Gaithersburg) [course description](#)
- **Process Safety Management/Risk Management Planning.** For safety, maintenance, operations, and environmental professionals who have a system regulated by the Occupational Safety and Health Administration's (OSHA) Process Safety Management Rule or the Environmental Protection Agency's Risk Management Programs Rule. (September 10-13 Richland; November 12-15 Las Vegas) [course description](#)
- **Construction Safety University.** For those seeking the OSHA 10-Hour Construction Card. (March 13-16 Las Vegas; April 17-20 Oak Ridge; August 21-24 Gaithersburg; October 16-19 Richland) [course description](#)
- **General Industry Safety University.** For those seeking the OSHA 10-Hour General Industry Card. (March 19-22 Las Vegas; April 23-26 Oak Ridge; August 27-30 Gaithersburg; October 22-25 Richland) [course description](#)
- **National Fire Protection Association (NFPA) 101® Occupancies.** For those charged with reviewing their facility's compliance with the NFPA Life Safety Code, and/or evaluating new facilities or uses of current space. (February 27-March 2 Las Vegas; July 30-August 3 Richland) [course description](#)
- **Facilities Hazards Assessments and Analysis.** For safety, maintenance, operations, and

environmental professionals and supervisors with responsibility for the identification and mitigation of hazards at their work sites. (March 12-15 Richland; November 5-8 Las Vegas) [course description](#)

In addition to these seven mutually-promoted courses, the [Dade Moeller Training Academy](#) and [EnerGX](#) each will continue to offer its regularly-scheduled classroom training, web-based training, and customized training courses, as detailed on their respective websites.

2012 Course Catalog Now Available

The Dade Moeller Training Academy 2012 Course Catalog has been mailed and is now available. If you or anyone you know is interested in our training classes, either in a classroom with our awesome faculty or online with our web-based training program, please click on the links below:



- 2012 Course Catalog ([HTML](#) or [PDF](#))
- 2012 Course Calendar ([HTML](#) or [PDF](#))
- 2012 Web-Based Training Catalog ([HTML](#))

First Dade Moeller/UNLV Course in Vegas a Success



The first [Radiation Detection Instrumentation](#) course held in Las Vegas, Nevada, with UNLV was successful. The lectures were held at the Dade Moeller Training Academy classrooms, and a practical operation of the instruments was held at the University of Nevada Las Vegas Helath Physics Laboratories. Six students from across the United States participated in the course. This course will be offered in Las Vegas again from April 16-20, 2012. More [HERE!](#)

Emergency Planning Guidance for Nuclear Power Plants

The U.S. Nuclear Regulatory Commission (NRC) is issuing the following documents, all dated Nov. 2011:

- Supplement 3, "Guidance for Protective Action Strategies," to NUREG-0654/ FEMA-REP-1, Revision 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants"
- NSIR/DPR-ISG-01, "Interim Staff Guidance Emergency Planning for Nuclear Power Plants"
- NUREG/CR-7002, "Criteria for Development of Evacuation Time Estimate Studies"



These documents update implementation guidance regarding, and support recent changes to, the NRC's emergency preparedness regulations. The effective date for these documents is December 5, 2011. More information may be found [HERE](#).

Go With the Guidelines



This fall, Image Gently® and the Society of Nuclear Medicine (SNM) have unveiled the "Go With the Guidelines" awareness campaign, encouraging community hospitals, academic hospitals and clinics to observe new guidelines on radiopharmaceutical dose for pediatric patients. To foster awareness, Image Gently and SNM are distributing thousands of 11x14-inch posters that remind medical practitioners to use these new guidelines for 11 frequently performed imaging studies in children. Posters are provided at no cost and can be found inside medical imaging journals beginning fall 2011. The poster can be downloaded now from the Image Gently website ([HERE](#)).

Recent NRC Enforcement Actions



Gauge Licensee: On October 17, 2011, the NRC issued a Notice of Violation to a paper company for a Severity Level III violation involving the failure to ensure that only persons specifically licensed by the NRC or an Agreement State perform services involving the dismantling and non-routine maintenance or repair of components related to the radiological safety of the gauge. Specifically, the licensee performed non-routine maintenance on a fixed level gauge by using a rod to change the position of the shutter contrary to a condition of their license. The

licensee was not specifically licensed by the NRC or an Agreement State to perform this service.

Hospital Licensee: On September 2, 2011, the NRC issued a Notice of Violation to a hospital for a Severity Level III violation involving the failure to develop written procedures to provide high confidence that each administration was in accordance with the written directive as required by 10 CFR 35.41(a). Specifically, the licensee's written procedures for yttrium-90 treatments did not specify how personnel should administer a treatment using a fine bore catheter and a high concentration of microspheres in order to prevent blockage within the catheter.

Gauge Licensee: On September 2, 2011, a Notice of Violation was issued to a company for a Severity Level III Problem involving three violations:

- The first violation involved the failure to have the individual specifically authorized by Condition 12.A of the license fulfill the duties and responsibilities as the Radiation Safety Officer (RSO). Specifically, the individual left the company in 2007, and the licensee failed to appoint a new RSO and amend its license.
- The second violation involved the failure to conduct a physical inventory every six months, or at other intervals approved by the NRC, to account for all sealed sources and/or devices received and possessed under the license as required by Condition 15 of the license.
- The third violation involved the failure to test each gauge for the proper operation of the on-off mechanism (shutter) and indicator, if any, at intervals not to exceed six months or at intervals specified in the certificate of registration as required by Condition 16.B of the license.

Other enforcement actions may be found at the NRC website ([HERE](#)).

USDOT Rule on Mobile Phones



On December 2, 2011, the U.S. Department of Transportation's (DOT) Federal Motor Carrier Safety Administration (FMCSA) and Pipeline and Hazardous Materials Safety Administration (PHMSA) amended the Federal Motor Carrier Safety Regulations (FMCSRs) and the Hazardous Materials Regulations (HMR) to restrict the use of hand-held mobile telephones by drivers of commercial motor vehicles (CMVs). This rulemaking will improve safety on the Nation's highways by reducing the prevalence of distracted driving-related crashes, fatalities, and injuries involving drivers of CMVs. The Agencies also amended their regulations to implement new driver disqualification sanctions for drivers of CMVs who fail to comply with this Federal restriction and new driver disqualification sanctions for commercial driver's license (CDL) holders who have multiple convictions for violating a State or local law or ordinance on motor vehicle traffic control that restricts the use of handheld mobile telephones. Additionally, motor carriers are prohibited from requiring or allowing drivers of CMVs to use hand-held mobile telephones. The rule is effective as of January 3, 2012. More information on the rule may be found [HERE](#).

Upcoming Training Courses

[Accident Investigation](#) (3-day)

Mar 26-28 Oak Ridge, TN

[Construction Safety University](#) (4-day)

Mar 13-16 Las Vegas, NV
Apr 17-20 Oak Ridge, TN

[DOT, NRC, and IATA Requirements for Shipping Radioactive Material](#) (2-day)

Jan 09-10 Las Vegas, NV
Feb 13-14 Gaithersburg, MD
Mar 5-6 Las Vegas, NV
Apr 2-3 Gaithersburg, MD

[Facilities Hazards Assessments and Analysis](#) (4-day)

Mar 12-15 Richland, WA

[General Industry Safety University](#) (4-day)

Mar 19-22 Las Vegas, NV
Apr 23-26 Oak Ridge, TN

[Liquid Scintillation Counting Fundamentals](#) (2-day)

Mar 12-13 Oak Ridge, TN

[Low Level Radioactive & Mixed Waste Management](#) (3-day)

Feb 13-15 Gaithersburg, MD

[Medical Radiation Safety Officer](#) (5-day)

Jan 23-27 Gaithersburg, MD

May 21-25 Las Vegas, NV

[National Fire Protection Association \(NFPA\) 101®](#) (4-day)

Feb 27-Mar 2 Las Vegas, NV

[Naturally Occurring Radioactive Material \(NORM\)](#) (3-day)

Apr 23-25 Gaithersburg, MD

[Radiation Safety for Authorized Users](#) (3-day)

Jan 9-11 Gaithersburg, MD

Feb 13-15 Las Vegas, NV

Mar 5-7 Gaithersburg, MD

[Radiation Safety Officer \(RSO\)](#) (5-day) & [RSO Refresher](#) (1- to 5-day)

Jan 9-13 Gaithersburg, MD

Feb 13-17 Las Vegas, NV

Mar 5-9 Gaithersburg, MD

[Radiation Safety Technician](#) (5-day)

Feb 13-17 Gaithersburg, MD

[Shipping Radioactive Material](#) (2-day)

Jan 9-10 Las Vegas, NV

Feb 13-14 Gaithersburg, MD

Mar 5-6 Las Vegas, NV

[X-Ray Safety](#) (2-day)

Feb 27-28 Gaithersburg, MD



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