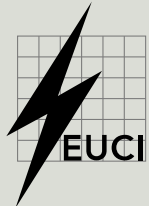


EUCI Presents a Course on:



Nuclear Power Regulation Basics (NRC 101)



A Leading Provider of
Continuing Education for
Energy Professionals

June 24 – 25, 2008

Hilton Alexandria Mark Center  Alexandria, VA

Register Today! Call (201) 871-0474

Nuclear Power Regulation Basics (NRC 101)

June 24 – 25, 2008

OVERVIEW

Two acknowledged experts in nuclear regulation, former NRC senior executive Hugh L. Thompson, Jr., and attorney and author Alex Polonsky, will present an overview of nuclear regulation. The course will cover the history and background necessary to understand the regulatory process. It will bring attendees up to date on the latest regulatory changes that have transformed the way commercial nuclear reactors are licensed for construction, approved siting, and regulated during construction and operation. The course also will cover NRC regulatory requirements, guidance documents, and will examine NRC's role in the nuclear fuel cycle from enrichment and fabrication to waste disposal. Each attendee will receive a copy of *Fundamentals of Nuclear Regulation in the United States* by Morgan Lewis Partner, and former Nuclear Regulatory Commission (NRC) Regional Counsel, Jay M. Gutierrez and nuclear regulatory lawyer Alex Polonsky.

Topics Include:

- How NRC deals with existing reactor licenses and licensees
- How NRC imposes its regulatory requirements
- How new plants are licensed
- How NRC evaluates licensee performance
- How NRC assesses operating experience

WHO SHOULD ATTEND

- All new employees who must deal with nuclear industry licensing or regulations
- Employees who need a job-related understanding of the history, structure, purpose, and application of nuclear regulations
- Executives and managers who need a broad understanding of nuclear licensing and regulation impacting nuclear plant design, construction, operations, and regulatory reporting
- Managers and engineers responsible for licensing new nuclear plant construction
- Suppliers and vendors involved in the procurement cycle for new nuclear plants
- Attorneys and paralegals whose work is directly or indirectly involved with nuclear energy
- Those whose job performance would be enhanced by an understanding of the nuclear regulatory environment, including those working for or with the NRC, the Institute of Nuclear Power Operations, American Nuclear Insurers, the Nuclear Energy Institute, the American Society of Mechanical Engineers, the American Nuclear Society, and other nongovernmental organizations
- People who have responsibilities for complying with or enforcing nuclear safety regulations in countries outside the US

Nuclear Power Regulation Basics (NRC 101)

June 24 – 25, 2008

Program Agenda

Day1 Tuesday, June 24, 2008

Registration and Continental Breakfast: 8:00 – 8:30 a.m.
Course Timing: 8:30 a.m. – 4:00 p.m.

Welcome and Program Overview

Technical Overview of the Nuclear Fuel Cycle

History of Nuclear Regulation 1946-Present

- Atomic Energy Act of 1946 & 1954
- Atomic Energy Commission
- Joint Committee on Atomic Energy
- Energy Policy Act of 1974 & formation of the NRC
- NRC's changing roles to the present

NRC's Relationship to Others, Both Within and Outside the Government

- The role of the NRC
- External influences on the NRC
- Congressional committees and subcommittees with oversight responsibility for the NRC
- NRC's relationship to others, both inside and outside the government

Morning Break: 10:00 – 10:15 a.m.

Structure and Function of NRC's Component Offices

- The structure of the NRC
- Adjudicatory functions of the commission
- The structure of the NRC staff offices
- NRC staff program offices
- The regional offices
- Other NRC offices important to nuclear power plants
- Other NRC offices
- Standing principal advisory committees and boards

How NRC Imposes Formal Regulatory Requirements, Informal Expectations, and Commitments

- Hierarchy of NRC regulatory requirements
- Statutes
- Regulations
- License requirements
- Final safety analysis report (FSAR) and commitments
- Design and procedures
- Key NRC documents: How they are used in regulation and regulatory guidance
- Role of NRC guidance

About EUCI

EUCI is a leading provider of conferences, seminars, workshops and courses designed exclusively for the energy industry. We seek to create a forum for professional communication and exchange knowledge and ideas among energy industry professionals and others interested in the industry.

Join the thousands of others who have attended our events since 1987 and see why they keep coming back.

Nuclear Power Regulation Basics (NRC 101)

June 24 – 25, 2008

Program Agenda

Day 1 Tuesday, June 24, 2008 (Continued)

Reactor Licensing Processes: Existing Plants

- Licensing process for current term plants
- License amendments
- NRC license amendment review process overview
- Changes in final safety analysis reports (FSARs)
- Resolution of degraded and nonconforming conditions; operability determination
- Reportability
- NRC Backfitting Rule – 10 CFR § 50.109
- License renewal process
- Post-license renewal requirements
- Licensing process

Group Luncheon: 12:00 – 1:00 p.m.

How NRC Evaluates Licensee Performance

- Evaluation of licensee performance
- Inspection program
- Reactor oversight process (ROP)
- Response levels
- Inspection and ROP outputs
- ROP in practice
- Operating experience

New Nuclear Plant Licensing

- Licensing of new plants
- Early site permits
- Design certification
- COL application
- COLA FSAR referencing a DC
- Design centered working groups
- Authorization to load fuel and operate
- ITAAC review and approval
- Examples of ITAAC
- Closing ITAAC
- ITAAC hearings under 10 CFR 52.103

Afternoon Break: 2:30 – 2:45 p.m.

Overview of the Materials License Program

- Responsible NRC offices
- Range of materials licenses
- Materials licenses applicable to reactors

Nuclear Power Regulation Basics (NRC 101)

June 24 – 25, 2008

Program Agenda

Day1 Tuesday, June 24, 2008 (Continued)

The Hearing Process: When Is Someone Entitled To A Hearing and On What Issues?

- Who is an interested party?
- What triggers a right to request a hearing?
- What kind of hearing?
- History of informal hearings
- Overview of the hearing process
- Discovery & limitations
- Provisions for timely completion of hearings
- New e-filing rule
- Walkthrough of a license amendment

Day2 Wednesday, June 25, 2008

Continental Breakfast: 8:00 – 8:30 a.m.

Course Timing: 8:30 a.m. – 12:30 p.m.

NRC Enforcement

- Authorities & key regulations
- Key enforcement categories
- Agency action matrix
- Regulatory and enforcement conferences
- Significance determination – ROP
- Regulatory conference
- Traditional violation categories
- Severity levels & significance determination
- Predecisional enforcement conference
- Civil penalty amount & assessment process
- Civil penalty mitigation: Identification of corrective actions
- Enforcement action discretion
- Enforcement against individuals

Nuclear Worker Rights and Licensee Obligations to Assure A Safety-Conscious Work Environment

- Employee concerns
- Department of labor and NRC parallel paths
- Dominant impacts outside DOL
- Industry experience
- Management acts to detect and prevent retaliation
- Learning objectives
- Overview
- Four elements of retaliation claim
- Key indicators
- Ultimate questions
- Chilling effects

Nuclear Power Regulation Basics (NRC 101)

June 24 – 25, 2008

Program Agenda

Day 2 Wednesday, June 25, 2008 (Continued)

Morning Break: 9:45 – 10:00 a.m.

The NRC's Allegation and Investigatory Processes

- Allegations
- Referred allegations
- Investigations
- Investigation process
- OI interviews

Nuclear Waste and Related Fuel Cycle Issues

- Background
- Low level waste issues
- High level waste issues

Closing & Open Forum for Questions

INSTRUCTORS

Hugh L. Thompson, Jr. is **Vice President** of **Talisman International, LLC** and is a Partner in the firm. He has more than 35 years of nuclear safety experience, including senior level management positions at the US Nuclear Regulatory Commission. From 1996 to 1998, Mr. Thompson was the Deputy Executive Director for Regulatory Programs at the NRC. In that position, he directed the licensing, inspection, and rule making activities for all NRC licensed nuclear reactors, the oversight of DOE's high-level radioactive waste program, the decontamination and decommissioning of contaminated sites, and the material licensees regulated by both the agreement states and the NRC. At Talisman, Mr. Thompson has provided expert regulatory assistance in cases involving NRC regulatory actions, including lost spent fuel, independent reviews of safety allegations at reactors and fuel cycle facilities, and reviewed operational issues with fuel cycle facilities. Mr. Thompson is currently serving as an independent member of the University of Chicago ANL Oversight Board. Mr. Thompson received his BS from the US Naval Academy, his MS in Nuclear Engineering from the Georgia Institute of Technology, and his JD from George Washington University.

Alex Polonsky is an **Attorney** with the Energy Practice at **Morgan Lewis & Bockius LLP**, one of the world's largest law firms, with more than 1,400 lawyers in over 20 offices around the world. Mr. Polonsky has extensive experience as a nuclear lawyer, assisting a variety of clients before the US Nuclear Regulatory Commission and the federal courts. He is the co-author of the textbook *Fundamentals of Nuclear Regulation in the United States*. Mr. Polonsky's nuclear practice includes advising on NRC licensing; enforcement proceedings; applications for new plants, license transfers, license renewal, and decommissioning; employment discrimination; and environmental justice. He is admitted to practice in the District of Columbia and New York. He graduated with high honors from the Vermont Law School in 1998. He received his undergraduate degree in Environmental Science, with honors, from Wesleyan University in 1992.

PROCEEDINGS

The proceedings of the course will be published and one copy will be distributed to each registrant at the course.

COURSE LOCATION

A room block has been reserved at the Hilton Alexandria Mark Center, 5000 Seminary Road, Alexandria, VA 22311 for the nights of June 22-24, 2008. Room rates are \$189 for single/double occupancy. Call 703-845-1010 for reservations and mention the EUCI course to get the group rate. Make your reservations prior to June 9, 2008. There are a limited number of rooms available at the course rate. Please make your reservations early.



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CPE CREDITS

Upon successful completion of this event, program participants interested in receiving CPE credits will receive a certificate of completion.

Course CPE Credits: 10.5

There is no prerequisite for this conference.
Program Level 1: Beginner
Delivery Method: Group-Live

REMEMBER, EVERY 4TH REGISTRANT IS FREE!

REGISTRATION INFORMATION

For instant registration call (201) 871-0474 or fax Registration Form to (201) 767-1928.

Register 3, Send 4th Free!!

Any organization wishing to send multiple attendees to these conferences may send 1 FREE for every 3 delegates registered. Please note that all registrations must be made at the same time to qualify.

All cancellations received on or before May 23, 2008 will be subject to a \$195 processing fee. Written cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCI conference or publication. This credit will be good for six months. In case of conference cancellation, Electric Utility Consultants' liability is limited to refund of the conference registration fee only. For more information regarding administrative policies such as complaint and refunds, please contact our offices at (201) 871-0474

EUCI reserves the right to alter this program without prior notice.

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(201) 767-1928

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- Nuclear Power Regulation Basics (NRC 101), June 24 - 25, 2008: \$1395, **Early Bird Before June 10, 2008, \$1195**

How did you hear about this event? (Direct email, Colleague, Speaker(s), etc.)

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