

NUCLEAR POWER PLANT OPERATIONS

October 26-27, 2020
Online | Central Time



“Very informative, very interactive and very entertaining! This course helped me better understand how a nuclear plant operates, shuts down, refuels and reconnects into the grid.”

Applications Engineer, Diaknot

RELATED EVENT:

**NUCLEAR POWER PLANT
INTRODUCTION TO EMERGENCY
PLANNING**

October 27-28, 2020 | Online

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The nuclear power plant (NPP) operations course provides attendees with a clear understanding of how these powerful plants function and produce electricity. The course describes how plants are built, how a nuclear startup is conducted, and how the plant is taken from cold iron to 100-percent power. The inherent stability and safety systems of nuclear plants will be covered in detail. Procedures for conducting a refueling outage and discussion of major outage tasks, including refueling, CEA changeouts, component rebuilds, and surveillance testing will be conducted. Participants will complete the course with full comprehension of and appreciation for the functions of the NPP and the production of electricity in the nuclear environment.



EUCI is authorized by IACET to offer 1.0 CEUs for the course. Participants must log on each day and be in attendance for the entirety of the course to be eligible for continuing education credit.

LEARNING OUTCOMES

- Describe how fission is accomplished and the basics of how a nuclear reactor produces energy
- Explain the three loops in a nuclear plant
- Discuss the thermal cycle and describe heat transfer and fluid flow
- Identify the major components of a nuclear power plant including generators, turbines, and cooling systems
- Discuss normal nuclear power plant operations and compare the variations in startup, steady-state operations, and shutdowns
- Examine nuclear power plant safety systems and the concepts of redundancy and defense-in-depth

INSTRUCTORS

Mr. Ronald L. York, Nuclear Industry Consultant

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“EUCI offers comprehensive courses lead by very knowledgeable subject matter experts. I would recommend EUCI to utility professionals, from an entry-level analyst to a senior manager.”

Sr. Project Manager, Southern California Edison



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The Nuclear Power Plant (NPP) Introduction to Emergency Planning course provides attendees with a clear understanding of how these powerful plants plan to protect the public if a casualty occurs. The course will describe: how plants are built for safety, the inherent stability of nuclear plants, what decay heat and radiation is, how radiation release is minimized, how the emergency plan is developed, and how the emergency plan is tested. Functions of nuclear safety components of the nuclear plant site will be described (containment, containment spray, safety injection, decay heat removal). Participants will complete the course with full comprehension of, and appreciation for, the functions of the NPP and the protections of the public in the nuclear environment.



EUCI is authorized by IACET to offer 1.0 CEUs for the course. Participants must log on each day and be in attendance for the entirety of the course to be eligible for continuing education credit.

LEARNING OUTCOMES

- Identify basic design differences of PWR and BWR nuclear plants
- Describe nuclear power plant safety systems, concepts of redundancy, and defense-in-depth for mitigating accidents
- Identify the design objectives, major components, and functions of nuclear power plant safety systems
- Describe site staffing and personnel assignments required for emergency planning
- Discuss the roles of Federal, State, and local agencies responsible for emergency planning
- Identify the emergency planning zones of concern
- Provide examples of accident types and initiating conditions for activating the emergency plan

INSTRUCTORS

To Register Click Here, or

Mail Directly To:

PMA Conference Management
405 Highview Rd
Englewood NJ 07631
201 871 0474
Fax 253 663 7224
register@pmaconference.com

ONLINE DELIVERY & PARTICIPATION DETAILS

EUCI will use Microsoft Teams to facilitate participation in the upcoming event. Attendees do not need to have an existing Teams account to participate in the broadcast. The course will play in attendee's browser. When attendees sign on, their microphones are typically muted. Attendees should keep their mic muted until such time as it's needed to ask a question. During the event, participants will have the option of using a microphone to speak with the room and ask questions, or type in any questions via the chat window and our online administrator will relay your question to the instructor.

Each attendee will receive an event invitation by e-mail,

- which will include one link to sign on for each half-day of the event (i.e., three links for a 1 ½ day event). The appropriate link must be used to join each half-day event segment at the appropriate time. The remote meeting connection will open approximately 30 minutes before the start of the course. We encourage attendees to connect as early as possible in case of unforeseen problems.

PLEASE SELECT

- BUNDLE PRICE: NUCLEAR POWER PLANT OPERATIONS AND NUCLEAR POWER PLANT INTRODUCTION TO EMERGENCY PLANNING ONLINE COURSES:** OCTOBER 26-28, 2020: US \$2,195 (Single Connection)
- NUCLEAR POWER PLANT OPERATIONS ONLINE COURSE ONLY:** OCTOBER 26-27, 2020: US \$1,195 (Single Connection)
- NUCLEAR POWER PLANT INTRODUCTION TO EMERGENCY PLANNING ONLINE COURSE ONLY:** OCTOBER 27-28, 2020: US \$1,195 (Single Connection)

How did you hear about this event? (direct e-mail, colleague, speaker(s), etc.)

Print Name

Job Title

Company

Address

City

State/Province

Zip/Postal Code

Country

Phone

Email

CREDIT CARD INFORMATION

Name on Card

Billing Address

Account Number

Billing City

Billing State

Exp. Date

Security Code (last 3 digits on the back of Visa and MC or 4 digits on front of AmEx)

Billing Zip Code/Postal Code

OR Enclosed is a check for \$ _____ to cover _____ registrations.

Substitutions & Cancellations

Your registration may be transferred to a member of your organization up to 24 hours in advance of the event. Cancellations must be received on or before September 24, 2020 in order to be refunded and will be subject to a US \$195.00 processing fee per registrant. No refunds will be made after this date. Cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCI event. This credit will be good for six months from the cancellation date. In the event of non-attendance, all registration fees will be forfeited. In case of course cancellation, EUCI's liability is limited to refund of the event registration fee only. For more information regarding administrative policies, such as complaints and refunds, please contact our offices.

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

