COAL ASH LANDFILL MANAGEMENT AND ASH POND CLOSURE

March 10-11, 2014
Rosen Centre Hotel
Orlando, FL

EUCI is authorized by IACET to offer 1.3 CEUs for the course.
OVERVIEW

As coal generation continues, utilities are faced with increased storage and handling of coal ash. This course is intended to give new and current landfill operators and managers, utility personnel involved with coal ash storage, and secondary coal ash beneficiation market users knowledge of how to properly store and manage coal ash in landfills. This course will also discuss methods and procedures for closing existing ash ponds. Attendees will walk away with immediate and applicable insight into how to properly store and handle coal ash in a landfill environment and the proper closing of ponds.

Attendees will immediately be able to apply their knowledge of coal ash landfill management and pond closure to their everyday operations of coal ash storage and handling.

WHO SHOULD ATTEND

- Coal ash managers and directors
- Utility operations and generation managers
- Handlers and storage personnel of coal ash facilities
- Coal combustion product vendors and marketers
- Coal ash storage engineers and designers
- Utility regulatory and permitting engineers and specialists
- Landfill operators
- Coal equipment operators and handlers

LEARNING OUTCOMES

- Identify what coal ash and coal combustion products are
- Address the requirements of coal ash landfill management
- Discuss current and future regulatory and permitting issues
- Characterize siting and site specifications and requirements
- Compare and contrast design and permitting of coal ash landfills
- Analyze construction techniques and practices
- Determine proper equipment needs and uses
- Prepare strategies for coal ash landfill storage and handling
- Discuss the types of pond characterizations
- Review pond dewatering procedures
- Determine stabilization procedures and improvements
- Address grading and breach development plans for pond closure
- Discuss seepage control and collection
- Review pond capping, cover and flood protection systems
AGENDA

Monday, March 10, 2014

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

8:30 a.m. – 4:30 p.m.     Course Timing

12:00 – 1:00 p.m.    Group Luncheon

Coal Ash Landfill Session

Introductions
Basics
• What is coal ash?
• Waste vs. waste processing with coal ash
• Identify issues and responsibilities of ash landfill operators

Regulations
• Current and future regulatory agencies
• Regulations governing coal ash landfill management

Siting and Site Characteristics
• Basics of hydrology, soils, geology, etc.
• Design, construction, operations, closure, and post-closure care

Design and Permitting
• The process
• Environmental protection features

Construction
• Necessary steps for construction of liner systems, drainage and leachate collection systems

Equipment
• Required equipment for operations and maintenance
• Costs of ownership and operating

Finances
• Identify financial requirements
• Airspace and compaction finances

Operations
• Goal setting and performance standards
• Identify current and future issues with solutions

Administration
• Employee training and retention program
• Creating and implementing performance standards
AGENDA

Tuesday, March 11, 2014

8:00 – 8:30 a.m.  Continental Breakfast
8:30 a.m. – 4:30 p.m.  Course Timing
12:00 – 1:00 p.m.  Group Luncheon

Communications
• Establishing good communications with all parties
• Environmental management system

Safety
• Personnel, site, and equipment safety procedures
• OSHA requirements

Environmental Compliance
• Air, groundwater, and storm water programs
• Maintaining compliance and record keeping

Industry Trends
• Use of technology
• Operations, design, and regulatory trends

Resources

Ash Pond Closure Session

Pond Closure Objectives & Concepts
• Safety & environmental protection
• Land use
• Closure concepts/alternatives

Ash Pond Characterization
• Geotechnical behavior of ash materials & containment dikes
• Exploration & testing methods
• Geochemical and pond water quality considerations

Pond Dewatering Plan/Procedures
• Water quantity/quality and disposition
• Integration with outfalls
• Contingency measures for sediments
• Sequencing
• Coordination with stormwater controls
AGENDA

Tuesday, March 11, 2014 (CONTINUED)

Seepage Control & Collection
- Internal drainage alternatives and limitations
- Engineering assessment & analysis
- Internal drainage products

Capping, Cover and Flood Protection Systems
- Design overview
- System options
- Performance/maintenance considerations
- Post-closure monitoring

INSTRUCTORS

Jeff Fantell, P.E. / Sr. Technical Consultant / Joyce Engineering, Inc.

Jeff is a graduate of Virginia Tech with over 22 years of consulting experience in solid waste. His specialties are design, permitting, construction administration, and operations of solid waste facilities. He currently serves as the program manager and lead trainer for Joyce Engineering’s Waste Management Facility Operator Training curriculums throughout the Southeast and has, upon request, led many training events for energy companies and coal combustion ash handling contractors. Jeff has been published in Waste Age magazine for articles related to landfill operations.

Robert E. Snow, P.E. / Sr. Principal Engineer / D’Appolonia Engineering

Bob Snow is a registered Professional Engineer with D’Appolonia Engineering, a civil and geotechnical consulting firm recognized for dam safety services, impoundments and tailings disposal. He holds a BS and MS in Civil Engineering from Michigan State University, and has been with D’Appolonia for 36 years. Throughout his career, he has been responsible for dam safety projects, design of several types of dams and waste impoundments, and evaluation of environmental impacts and response planning. Bob also is a facilitator for conducting Potential Failure Mode Analyses as part of dam inspection and surveillance programs, and has promoted the use of such tools to enhance monitoring programs for expansion or closure of tailings and ash ponds.
INSTRUCTIONAL METHODS

PowerPoint presentations and classroom exercises will be used in this program.

REQUIREMENTS FOR SUCCESSFUL COMPLETION OF PROGRAM

Participants must sign in/out each day and be in attendance for the entirety of the course to be eligible for continuing education credit.

IACET CREDITS

EUCI has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102. In obtaining this approval, EUCI has demonstrated that it complies with the ANSI/IACET Standards, which are widely recognized as standards of good practice internationally.

As a result of its Authorized Provider membership status, EUCI is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standards.

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EVENT LOCATION

A room block has been reserved at the Rosen Centre Hotel, 9840 International Drive, Orlando, Florida 32819, for the nights of March 9 - 12, 2014. Room rates are $169, plus applicable tax. Call 1-407-996-9840 for reservations and mention the EUCI course to get the group rate. The cutoff date to receive the group rate is February 9, 2014, but as there are a limited number of rooms available at this rate, the room block may close sooner. Please make your reservations early.

PROCEEDINGS

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

Click Here to Register Online

FIVE EASY WAYS TO REGISTER

One: Call
(201) 871-0474
Two: Fax
(253) 863-7224
Three: E-mail
register@pmaconference.com
Four: Mail
PMA
P.O. Box 2903
 Falls Church, VA 22042
Five: Web Site
www.pmaconference.com
Please register the following

☐ COAL ASH LANDFILL MANAGEMENT AND ASH POND CLOSURE
MARCH 10-11, 2014: US $1495
EARLY BIRD ON OR BEFORE FEBRUARY 28, 2014: US $1295

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

Print Name
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What name do you prefer on your name badge?
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OR Enclosed is a check for $_________________ to cover ____________ registrations.

All cancellations received on or before February 14, 2014, will be subject to a US $195 processing fee. Written cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCI event or publication. This credit will be good for six months. In case of event 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 at (201) 871-0474. EUCI reserves the right to alter this program without prior notice.