

COAL ASH LANDFILL MANAGEMENT COURSE

March 28-29, 2017
Hyatt Regency Suites Atlanta NW
Atlanta GA



EUCI is authorized
by IACET to offer
1.0 CEUs for the
course

OVERVIEW

As coal generation continues, utilities are faced with increased storage and handling of coal combustion residuals (CCR). This course is intended to give new and current landfill operators and managers, utility personnel involved with CCR's storage, and secondary CCR beneficiation market users knowledge of how to properly store and manage CCR's in landfills.

Attendees will immediately be able to apply their knowledge of CCR landfill management to their everyday operations for storage and handling.

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

INSTRUCTOR



Jeff Fantell, P.E.

Sr. Technical Consultant, Joyce Engineering, Inc.

Jeff is a graduate of Virginia Tech with over 26 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.



“Seminar was an outstanding dive into all the key areas and issues of landfill design, operation, or potential pitfalls.”

AVP – EHS, LS Power

AGENDA

TUESDAY, MARCH 28, 2017

8:00 – 8:30 am **Registration and Continental Breakfast**

8:30 am – 4:30 pm **Course Timing**

12:00 – 1:00 pm **Group Luncheon**

Module 1: Introductions

Module 2: Basics

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

Module 3: Regulations

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

Module 4: Siting and Site Characteristics

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

Module 5: Design and Permitting

- The process
- Environmental protection features

Module 6: Construction

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

Module 7: Equipment

- Required equipment for operations and maintenance
- Costs of ownership and operating

Module 8: Finances

- Identify financial requirements
- Airspace and compaction finances

Module 9: Operations

- Goal setting and performance standards
- Identify current and future issues with solutions

Module 10: Administration

- Employee training and retention program
- Creating and implementing performance standards

Module 11: Communications

- Establishing good communications with all parties
- Environmental management system

AGENDA

WEDNESDAY, MARCH 29, 2017

8:00 – 8:30 am **Continental Breakfast**

8:30 am – 12:00 pm **Course Timing**

Module 12: Safety

- Personnel, site, and equipment safety procedures
- OSHA requirements

Module 13: Environmental Compliance

- Air, groundwater, and storm water programs
- Maintaining compliance and record keeping

Module 14: Industry Trends

- Use of technology
- Ops, design, and regulatory trends

Module 15: Resources



“I found it very helpful to be in the same room with professionals from different sides of the industry, exchanging ideas and discussing different problems and solutions in the industry.”

Project Manager, Hull & Associates



“Worth the time invested.”

Professional Engineer, HHNT



“Very useful in obtaining information about a hot topic in the power industry.”

Division Manager, D.H. Griffin Infrastructure, LLC

REQUIREMENTS FOR SUCCESSFUL COMPLETION

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

INSTRUCTIONAL METHODS

PowerPoint presentations and case studies will be used for this course.

PROCEEDINGS

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

EVENT LOCATION

A room block has been reserved at the Hyatt Regency Suites Atlanta NW, 2999 Windy Hill Road, Marietta, GA 30067, for the nights of March 27 – 30, 2017. Room rates are \$139 plus applicable tax. Call **770-956-1234** or [click here](#) for reservations and mention the EUCI event to get the group rate. The cutoff date to receive the group rate is March 5, 2017 but as there are a limited number of rooms available at this rate, the room block may close sooner. Please make your reservations early.

IACET CREDITS



EUCI has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET). In obtaining this accreditation, EUCI has demonstrated that it complies with the ANSI/IACET Standard which is recognized internationally as a standard of good practice. As a result of their Authorized Provider status, EUCI is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard.

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Please make checks payable to: "PMA"

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PLEASE REGISTER

- COAL ASH LANDFILL MANAGEMENT COURSE: MARCH 28-29, 2017:**
 US \$1395, Early bird on or before March 10, 2017: US \$1195
- ATTEND ALL EVENTS: COURSE, 7TH ANNUAL COAL COMBUSTION RESIDUALS CONFERENCE AND BOTH PRE AND POST CONFERENCE WORKSHOPS, MARCH, 28-31, 2017:** US \$3095, EARLY BIRD on or before MARCH 10, 2017: US \$2895
- ATTEND COURSE, 7TH ANNUAL COAL COMBUSTION RESIDUALS CONFERENCE AND ONE WORKSHOP**
 (Make Selection Below)
 MARCH, 28-31, 2017: US \$2695, Early bird on or before March 10, 2017: US \$2495
- PRE-CONFERENCE WORKSHOP: WEDNESDAY, MARCH 29, 2017
- POST-CONFERENCE WORKSHOP: FRIDAY, MARCH 31, 2017
- ATTEND COURSE AND 7TH ANNUAL COAL COMBUSTION RESIDUALS CONFERENCE: MARCH 28 - 31, 2017:** US \$2295,
 EARLY BIRD on or before MARCH 10, 2017: US \$2095

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

Print Name

Job Title

Company

What name do you prefer on your name badge?

Address

City

State/Province

Zip/Postal Code

Country

Phone

Email

List any dietary or accessibility needs here

CREDIT CARD INFORMATION

Name on Card

Account Number

Billing Address

Billing City

Billing State

Billing Zip Code/Postal Code

Exp. Date

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

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 February 24, 2017 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 EUCL 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, EUCL's liability is limited to refund of the event registration fee only. For more information regarding administrative policies, such as complaints and refunds,