

# PLANT RETIREMENT AND REMEDIATION: MITIGATING RISK, COST AND LIABILITY OF DEACTIVATED ASSETS

October 20-21, 2014  
Metropolitan at the 9  
Cleveland, OH



EUCI is authorized by IACET to offer 0.9 CEUs for the conference.



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## OVERVIEW

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As generation owners continue to retire more facilities; they are faced with choices of what to do with these deactivated assets. Once the units or facility is deactivated, seemingly countless unforeseen issues can arise. Developing a cohesive plan for deactivated stations is mandatory to assist in lessening the frequency and impact of those unpredictable challenges.

This conference will assist owners through this post-deactivated process with discussions on operating and maintaining a deactivated site, understanding utility separation and rerouting, learning from ongoing remediation and corrective action projects, listening to the complicated search and remediation of contaminants and groundwater, and covering the steps to coal yard and pond remediation. These and more presentations will engage the attendees in these important topics.

## WHO SHOULD ATTEND

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- Environmental professionals
- Power company executives
- Federal, state, and local agencies regulating plant retirement/mothballing
- Public utility commissioners
- Power generation engineers
- Environmental engineers
- Utility asset/investment recovery individuals
- Power project managers
- Generation facilities managers
- Generation and decommissioning services consultants

## LEARNING OUTCOMES

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- Discuss the post deactivation activities to maintain a safe, secure and environmentally compliant deactivated plant
- Review the effort that goes into utility separation and rerouting after deactivating units or a facility
- List the steps for preparing a deactivated station for its best post-generating use
- Engage in a panel discussion on challenges facing plant remediation projects
- Review the remediation and corrective action measures for the Reid Gardner station
- Discuss the places PCB's can be found in power stations and the technical and regulatory issues around their removal and disposal
- Develop an overall environmental action plan for deactivated sites
- Evaluate an overview of how stations can meet the proposed CCR rule and address groundwater corrective measures
- Review what to consider when closing and remediating a coal yard
- Discuss the importance and use of subsurface surveys in site remediation activities
- Explore the Rim Ditching and Floating Road methods for safe dewatering of an ash pond



I really enjoyed the conference and have a much better understanding of all of the constituents needed to decommission/mothball a power plant.”

*Sr. Business Analyst, Southern Company*



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## AGENDA

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Monday, October 20, 2014

8:00 – 8:30 a.m.

**Registration and Continental Breakfast Sponsored by**



8:30 – 8:45 a.m.

**Welcome and Opening Comments**

- Raymond L. Evans, Vice President, Environmental and Technologies, FirstEnergy

8:45 – 9:30 a.m.

**Ongoing Costs Associated with O&M Lessons Learned at Deactivated Plants**

This topic will cover post deactivation activities associated with maintaining a safe, secure, environmentally compliant deactivated plant. Over the past couple of years unforeseen issues associated with security and abnormal operating conditions have stressed the normal operation at a deactivated plant. Operating lessons learned and best practices associated with these challenges will be discussed relative to ongoing management of a safe, secure and environmentally compliant facility.

- Douglas S. Hartman, Manager, FirstEnergy Environmental Field Operations

9:30 – 10:10 a.m.

**Utility Separation and Rerouting**

This presentation will discuss the Utility Separation and Reroute effort that supports full or partial industrial plant demolition projects. Topics will include:

- How to determine if a utility separation and reroute program is needed
- Why an engineered approach is valuable for successful results
- Deciding on owner - Managed vs. demolition contractor - Managed separation
- Understanding all types and categories of utility separation and rerouting
- How to communicate the separation boundaries to bidders

- Christine M. Harris, Director – Project Management, Dominion Resources Services, Inc.

10:10 – 10:30 a.m.

**Networking Break**

10:30 – 11:15 a.m.

**Preparing Deactivated Generating Stations for their Highest and Best Use**

- Safety
- Business models
- Community impacts
- Utility system impacts
- Decommissioning and demolition
- Remediation
- Redevelopment
- Cash flow and financing requirements
- Case studies and lessons learned

- Ed Malley, Vice President and RE POWER™ Program Manager, TRC Solutions



Presentations provided valuable information on a timely subject effecting the power industry."

General Manager, Wisconsin Public Service

11:15 a.m. – 12:00 p.m.

**Challenges Facing Plant Remediation**

- Paul Halliday, President, Envirocon Environmental Services, ULC

- Ed Malley, Vice President and RE POWER™ Program Manager, TRC Solutions

- John Lescenski, Manager, Generation Strategy, NV Energy

- Douglas S. Hartman, Manager, FirstEnergy Environmental Field Operations

12:00 – 1:00 p.m.

**Group Luncheon Sponsored by**



## AGENDA

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### Monday, October 20, 2014 (CONTINUED)

1:00 – 2:00 p.m.

#### **Remediation and Corrective Action Measures of The Reid Gardner Station**

NV Energy and the Nevada Department of Environmental Protection (NDEP) entered into an Administrative Order on Consent (AOC) for the Reid Gardner Station in 2008. The AOC calls for NV Energy to continue with environmental contaminant characterization activities and for the identification of clean-up measures for the soil and groundwater at the Site. Additionally, the AOC calls for the implementation and long-term operation and maintenance of NDEP-approved clean-up measures for the Site. The Reid Gardner Station has a number of raw water storage ponds, process water evaporation ponds, and fly ash settling ponds. Waste management units are present throughout the Site and surrounding area. NV Energy has implemented source control methods including salt and pond solids removal and pond lining on most of the remaining ponds. Interim remediation measures have been developed including construction and operation of a groundwater collection system. Other long-term Corrective Action measures include a diesel recovery system that has been in operation since 1988, recovering diesel and contaminated groundwater, which is traceable to the former operation of large onsite aboveground storage tanks.

- John Lescenski, Manager, Generation Strategy, NV Energy

2:00-2:45 p.m.

#### **PCB Management during Power Plant Demolition**

PCBs are one of the more common contaminants of concern when planning for power plant demolition. Aside from their presence in Askarel and some mineral oil transformers, PCBs were also used in a variety of building and lighting products. This presentation will discuss the various uses of PCB to be addressed during demolition planning, and the technical and regulatory issues associated with removing, abating and disposing of PCBs and PCB-impacted debris.

- John P. Woodyard, PE, QEP, Vice President, Weston Solutions, Inc.

2:45 – 3:15 p.m.

#### **Networking Break**

3:15 – 4:00 p.m.

#### **Developing an Overall Environmental Action Plan for Deactivated Sites**

This presentation will discuss environmental assessments for deactivated sites and the steps to take to provide owners with a comprehensive plan of monitoring, remediation and corrective action where required.

- Steven F. Putrich, VP, PE, Haley & Aldrich

4:00 – 5:00 p.m.

#### **Implementing the Proposed CCR Rule and Groundwater Corrective Measures**

Expected final date of the proposed USEPA Coal Combustion Residual (CCR) Rule is December 19, 2014. At this point most understand "5 W's" (i.e., who, what, when, where, and why) of the proposed rule, but are you prepared to answer the "How". This presentation will provide an overview of how coal-fired power generation providers can implement the new CCR Rule and presents a clear pathway to address groundwater corrective measures.

- Sean Rome, Vice President, Energy Waste Program, Tetra Tech, Inc.

5:00 – 6:00 p.m.

#### **Networking Reception - Sponsored by:**



Very informative sessions and enjoyed the discussion."

Plant Manager,  
Newfoundland Hydro/  
Nalcor Energy

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## AGENDA

Tuesday, October 21, 2014

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

**8:30 – 9:30 a.m. Coal Yard Closure/Remediation**

This presentation will discuss what to consider when closing and remediating a coal yard. Topics will include:

- Understanding the overall project environmental and technical objectives and the impact on the scope of work
- Managing the coal pile to reach zero inventory
- Civil and geotechnical design and closure considerations
- Sequencing of work with demolition in close proximity

- *Christine M. Harris, Director – Project Management, Dominion Resources Services, Inc.*

**9:30 – 10:15 a.m. Identifying Subsurface Features and Utilities for Plant Decommissioning Projects**

Drawing from case studies of several electric power plant closures, the presentation will describe the methods and importance of surveys to identify subsurface features and utilities at power plants to be decommissioned. The presentation will also explain how these surveys are used during site remediation activities

- *A. Edward Sciulli, PG, PMP – Hydrogeology Manager, GAI Consultants, Inc.*

**10:15 – 10:45 a.m. Networking Break**

**10:45 – 11:45 a.m. The Safe Dewatering of Ash Ponds**

Dewatering can be achieved by several different methods dependent on pond details concerning size and depth, dike integrity, ash consistency, and water displacement availability. This discussion will focus on Rim Ditching and the Floating Road methods. These methods are based on dewatering practices and floating roads that have been built and used at various dammed valley ash disposal sites and typical above ground ash impoundments.

- *Steve Turner, Chief Operating Officer, Utter Construction, Inc.*

**11:45 a.m. – 12:00 p.m. Final Questions and Discussion**

**12:00 p.m. Conference Adjourns**



This was a great introduction to and overview of utility experience in decommissioning and repurposing closed coal sites. I learned a lot for a new job role."

Sr. Program Manager, Wastewater Treatment, TVA



An excellent conference to gain knowledge and share experiences with other stakeholders in the power industry."

General Manager, Business Support & Administration, Jamaica Public Service

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## INSTRUCTIONAL METHODS

Case studies, PowerPoint presentations, and group discussion will be used in this event.

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## 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.

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## 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.

EUCI is authorized by IACET to offer 0.9 CEUs for the conference.

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## EVENT LOCATION

A room block has been reserved at the Metropolitan at the 9, 2017 E 9th Street Cleveland, OH 44115, for the nights of October 19-20, 2014. Room rates are \$229, plus applicable tax. Call 1-216-239-1200 for reservations and mention the EUCI program to get the group rate. The cutoff date to receive the group rate is October 6, 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.**

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## PROCEEDINGS

A copy of the conference proceedings will be distributed to attendees at the event. If you are unable to attend or would like to purchase additional copies, flash drives are available two weeks after the conference is complete. The cost per flash drive is US \$295 (add US \$50 for international shipments). Flash drives include visual presentations only. Upon receipt of order and payment, the flash drive will be shipped to you via regular USPS mail.

NOTE: All presentation flash drive sales are final and are nonrefundable.

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## REGISTER 3 SEND THE 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.

## REGISTRATION INFORMATION

## EVENT LOCATION

### Mail Directly To:

Electric Utility Consultants, Inc. (EUCI)  
4601 DTC Blvd., Ste. 800  
Denver, CO 80237  
**OR**, scan and email to: [conferences@euci.com](mailto:conferences@euci.com)

WWW.EUCI.COM  
P: 303-770-8800  
F: 303-741-0849

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## PLEASE REGISTER THE FOLLOWING

**PLANT RETIREMENT AND REMEDIATION: MITIGATING RISK, COST AND LIABILITY OF DEACTIVATED ASSETS CONFERENCE: OCTOBER 20-21, 2014:**  
US \$1395  
EARLY BIRD ON OR BEFORE OCTOBER 10, 2014: US \$1195

I'M SORRY I CANNOT ATTEND, BUT PLEASE SEND ME THE CONFERENCE PROCEEDINGS FOR US \$295. (PLEASE ADD \$50 FOR INTERNATIONAL SHIPPING.)

## ENERGIZE WEEKLY

EUCI's Energize Weekly e-mail newsletter compiles and reports on the latest news and trends in the energy industry. Newsletter recipients also receive a different, complimentary conference presentation every week on a relevant industry topic. The presentations are selected from a massive library of more than 1,000 current presentations that EUCI has gathered during its 26 years organizing conferences.

Sign me up for **Energize Weekly**.

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

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

All cancellations received on or before September 19, 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 303-770-8800. EUCI reserves the right to alter this program without prior notice.



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