

WM2014 Conference Panel Report

PANEL SESSION 54: Nuclear Power Plant Waste Management – Processor Issues

Co-Chairs: **Mark Lewis**, *EnergySolutions (USA)*
Clint Miller, *PG&E Diablo Canyon (USA)*

Panel Reporter: **Mark Lewis**, *EnergySolutions (USA)*

Panelists:

1. **Howard Stevens**, *Studsvik (USA)*
2. **Scott Eckler**, *Alaron (USA)*
3. **James Harris**, *EnergySolutions (USA)*
4. **John Hagan**, *Perma-Fix (USA)*

This panel session focused on the current status of the fixed-base processing facilities in the USA. Each of the four panelists presented their facility's capabilities focusing on changes that have occurred over the last year as an update to waste generators and facility users. This was followed by a question and answer session which included questions on waste attribution through their processing as manifested to the disposal sites. Questions also were fielded by each company about the processing impact of the upcoming NRC Branch Technical Position (BTP) on Concentration Averaging.

Summary of Presentations

Howard Stevens announced the acquisition of Studsvik's USA commercial processing operations and facilities in Memphis and Erwin, TN by *EnergySolutions*. Also included in the acquisition were two (2) 8-120B casks and exclusive rights to its THOR technology in the commercial North America markets and China. He also summarized the capabilities of their remaining US engineering services and facilities in other international locations.

Scott Ecklar identified Alaron's USA processing facility in Wampum, TN and presented its capabilities. He provided some examples of projects that helped resolve customer radwaste problems and save them money. He also discussed Alaron's ownership by Veolia.

James Harris identified *EnergySolutions*'s USA processing facilities in Oak Ridge, TN, Memphis, TN Barnwell, SC and now, due to the Studsvik acquisition, another facility in Memphis and Erwin, TN. James presented the capabilities of each. He discussed the closure of some of the process facilities over the last year and the consolidation and/or relocation of some of the services in order to reduce duplication and unnecessary costs to the company. He discussed in detail the new filter processing service that started up in November, 2013 at the Barnwell Processing Facility (BPF) where filters will be shredded and homogeneously solidified prior to waste classification over the entire solidified mass.

John Hagan identified Perma-Fix USA processing facilities in Oak Ridge, TN, Richland, WA, and Gainesville, FL and presented the capabilities of each. John discuss Perma-Fix's expansion into off-site services, such as DD&R , brokering, and transportation.

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Questions and Answer

Clint Miller asked processors to address their method of waste attribution, manifesting, and reporting to DOE's MIMS database. This was followed-up by discussions from the audience and panelists. Most processors, especially in Tennessee, where it is a license requirement, attribute the waste form from thermal processes to the processor, manifest with attribution to the processor, and report to MIMS with attribution to the processor. Mark Lewis asked the processors to address their compliance with 10 CFR 37 Security requirements.