

**PANEL SESSION 46 - Nuclear Power Plant Waste Management- LLW Disposal Issues**

**Co-Chairs:** Clint Miller, *PG&E*;  
Mark Carver, *Entergy*

**Reporter:** Clint Miller, *PG&E*

Panelists Included:

- Jeff Gardner, *EnergySolutions*
- Bill Dornsife, *Waste Controls Specialists*
- Mark Lewis, *EnergySolutions*
- Lisa Edwards, *EPRI*

Some 40 to 50 people were present to hear this session on the Commercial Low-Level Waste Disposal issues.

**Jeff Gardner** presented an update on the Energy Solutions Clive disposal facility. An overview of the site layout was provided along with waste processing capabilities at the site. A review of the quantities of LLRW disposed of at the site recently was also presented. A new requirement at the site is that any shipment for which Waste Classification made use of the NRC BTP on Concentration Averaging now has to be approved by the State of Utah prior to shipment to the site. In addition, a copy of a compact Export Permit must be included in the shipping papers for any waste sent to Clive under a Compact Export.

**William Dornsife** presented an update on the Texas Compact disposal site Waste Controls Specialist (WCS) is constructing. The site has a license and is the 2<sup>nd</sup> facility to obtain a license under 10CFR 61 (Ward Valley, CA was first but never opened). Yes, construction is under way. WCS expects to have the Compact Site in operation 4thQuarter 2011. The Texas Compact Commission approved importation of waste for disposal. An over view of the disposal site was provided. The Compact Site requires all waste to be containerized and placed in concrete vaults. A Bulk cell will also be provided for large components but, WCS is proposing that the Bulk cell be shared by the Compact and new Federal site. All the Fernald containers have been moved from above ground storage into their disposal cell. The radiological hazard from these containers exceeds anything the Compact site will receive.

**Mark Lewis** presented an update on the Energy Solutions Barnwell disposal facility. The site continues to provide disposal services for the Atlantic compact waste generators. Operations are funded entirely by user fees. Closer of past trenches has been conducted.

**Lisa Edwards** presented an over view of the decrease in Class B/C waste generation that US nuclear power plants have achieve over the last few years- decreases as great as 50% have been made at some stations.

**Mark Carver & Clint Miller** discussed actions at utility fleets and alliances in pursuing disposal pathways and on-site storage of Class B/C waste at Nuclear Power plants.

## WM2011 Conference Panel Report

### **Public Comment and/or Questions**

Comment – The Texas Compact approved a rule to enable importation of waste into the Compact but, has not approved any import application yet. Approval of importation to Texas could take a long time so people should calm down and not think that importation is a done deal.

The utility panelist expressed that although they are very pleased at the progress in Texas, they have been disappointed before. Storage of LLRW has and is being conducted safely.

Lisa Edwards noted that if disposal of Class B/C waste is significantly delayed, an unintended consequence could be that plants further decrease waste generation and intentionally concentrate waste to reduce the on-site storage burden. This could result in Greater than Class C waste. EPRI is to oversee research on a process that could produce such a result.

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