

**PANEL SESSION 47 - Nuclear Power Plant Waste Management –  
LLW Waste Processor Issues**

**Co-Chairs:** Mark Lewis, *EnergySolutions*;  
Mark Carver, *Entergy Services, Inc.*  
**Reporter:** Mark Lewis, *EnergySolutions*

Panelists provided update presentations on the operations, waste acceptance, and license conditions associated with their respective low-level radioactive waste processing facilities. Following these brief presentations, panelists fielded questions from the audience.

Panelists Included:

- Brian Wood, *EnergySolutions*
- Lloyd Solomon, *Studsvik*
- John Hagan, *Perma-Fix Environmental Services*
- Bill Smart, *Impact Services*
- Sylvain Saint-Pierre, *WNA*

**Brian Wood**, *EnergySolutions*, briefed the audience on facilities, operations, waste acceptance and licensing at all four *EnergySolutions* fixed processing facilities. Discussed was the State of Tennessee regulatory criteria imposed on all TN processors performing BSFR. In addition, the new joint venture company and service, Semprasafe, between *EnergySolutions* and *Studsvik* for the processing of resins for disposal at Clive was discussed. Brian indicated that the service was approved by all regulatory agencies, NRC, TN, and UT and is currently available to customers for immediate transport, processing and disposal. Semprasafe and Tennessee's new BSFR criteria generated some questions during the Q&A session following presentations.

**Lloyd Solomon**, *Studsvik*, briefed the audience on facilities, operations, waste acceptance and licensing at both of their facilities. Lloyd also covered the joint venture company and service, Semprasafe, and discussed the improved waste form it generates and benefits to the disposal site's long term performance.

**John Hagan**, *Perma-Fix Environmental Services*, briefed the audience on facilities, operations, waste acceptance and licensing at three of their facilities. In addition, Bill emphasized their contribution to the "green" environmental initiatives through the conversion of mixed waste to energy in their energy recovery industrial boiler and turbine.

**Bill Smart**, *Impact Services*, briefed the audience on their facilities, operations, waste acceptance and licensing. In addition, new acquisitions and capabilities growth was discussed.

**Sylvain Saint-Pierre**, *WNA* (World Nuclear Association) discussed international processing to support the nuclear industry, primarily recycling, volume reduction, and waste minimization. He discussed the differences between countries in the areas of recycling regulatory authorization and restrictions. WNA's primary goal is to accomplish uniform standards internationally or, secondarily, develop import/export authorizations and criteria in order to provide processing and recycling options for generators.