

Session 20
Panel: Nuclear Power Plant Waste Management and Disposal Issues

Panel Reporter – C. Clint Miller, PG & E

Panelists included:

- Bill House, *EnergySolutions*;
- Bret Rogers, *EnergySolutions*;
- Mike Lauer, Waste Control Specialists; and
- Steve Romano, American Ecology.

The Nuclear Power Plant (NPP) waste disposal panel session included four presentations. Updates on the status of available commercial low-level radioactive waste disposal sites were covered. The Barnwell, South Carolina site that accepts Class A, B & C waste is slated to limit access to the Atlantic Compact only after July 1, 2008. Barnwell has been disposing of most Class B and C waste from NPPs in the US. Atlantic Compact only waste volumes are not sufficient to cover operating costs at current rates. Legislation is being submitted to allow out of Compact waste through 2023 to be 40,000 ft³/yr.

The Clive, Utah facility presentation gave an overview of the site and new facilities. The Clive facility accepts Class A low-level radioactive waste and mixed waste from NPPs. Dry active waste, spent resin and large components all have been shipped to Clive.

The Richland, Washington site accepts Class A, B and C waste from the Northwest and Rocky Mountain Compacts. Only one NPP is located in these compacts. The site can accept NORM/NARM from all 50 states. The US Ecology site in Idaho can accept exempt radioactive waste at this RCRA/TSCA facility.

The Waste Control Specialist site in Texas is currently able to store LLRW, mixed waste and Greater-than-Class C wastes. The license was submitted for a low-level disposal site for the Texas Compact. Public review is scheduled to take 12 months. This disposal site would accept Class A, B and C waste. A possible opening date would be the first quarter of 2009.