



Surplus Plutonium Disposition Supplemental Environmental Impact Statement (SPD Supplemental EIS)



Potential Use of MOX Fuel in TVA Reactors



Sequoyah Nuclear Plant – Soddy-Daisy, Tennessee



Browns Ferry Nuclear Plant – Athens, Alabama

- The Tennessee Valley Authority (TVA) may use mixed oxide (MOX) fuel assemblies in its Browns Ferry and Sequoyah nuclear plants.
- Plutonium replaces a small amount of low enriched uranium as the fissionable element in a MOX fuel core.
- Some changes in the operation of the TVA reactors are expected due to MOX fuel use.
- Using MOX fuel supports an important nonproliferation goal by rendering plutonium inaccessible for use in nuclear weapons.
- Spent MOX fuel assemblies can be stored with TVA's other spent nuclear fuel.
- Protection of public and employee health and safety is the top priority for TVA.