Agenda
FERC Meeting with NRC Personnel

Purpose

- To gain an understanding of FERC practices regarding dam failure assessment, both deterministic and probabilistic approaches, in general
- To gain an understanding of the specific assessment and status of the Jocassee Dam
- To share NRC perspectives on probabilistic assessment of external events

Introduction and Opening Remarks

Technical Staff Discussions

Flood inundation

- Discussion of calculation packages from Duke
- Sensitivity calculations for dam breach parameters (e.g., time to failure, breach size)
  1. How FERC generically approaches
  2. Any specific information related to Jocassee
- Discussion of FERC acceptance criteria for parameters

Seismic-related and dam structure information

- Discussion of seepage from 2004 to present
- Settlement of dam foundation
- Condition of embankment shells and potential soil liquefaction
- Discussion of dam construction and soil compaction
- Discussion of piezometer data taken from wells

Failure rate frequency

- Discussion of how FERC assesses probability of dam failure modes such as overtopping and dam-specific failure modes
- Discussion of FERC's criteria for dam health and its relationship to likelihood of failure