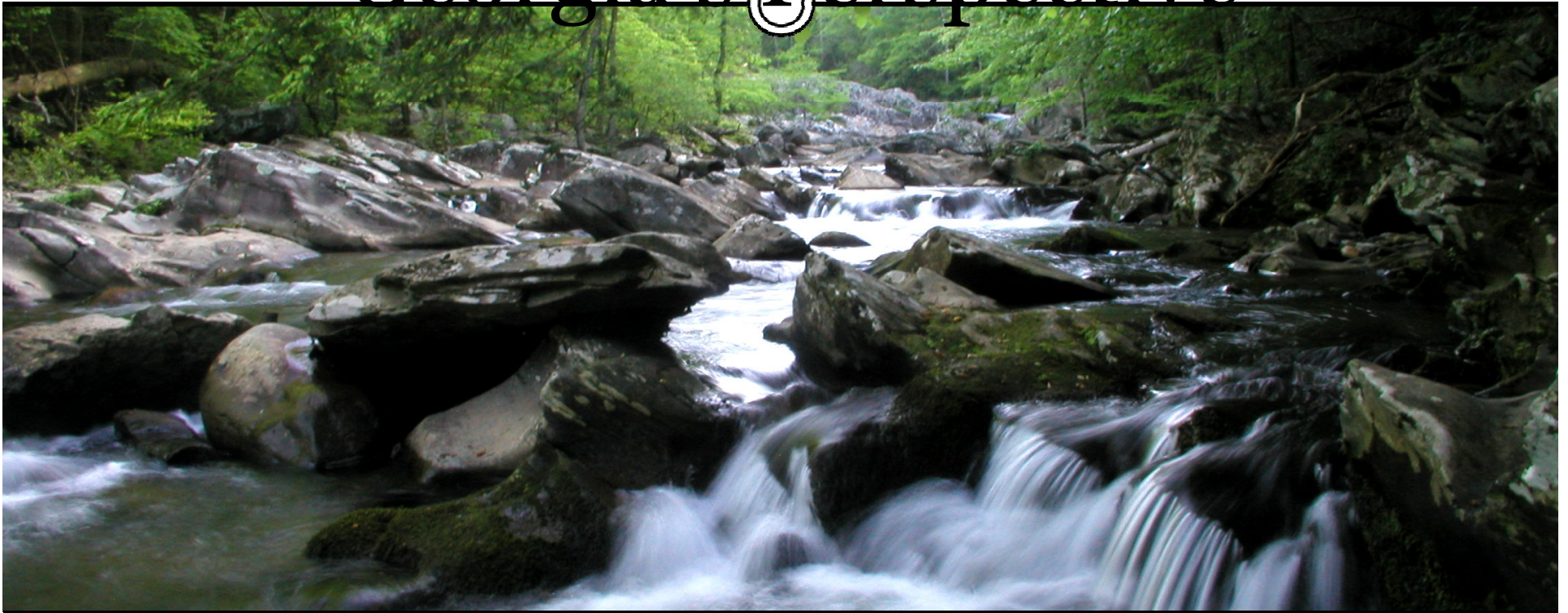




GEORGIA

DEPARTMENT OF NATURAL RESOURCES

New Reactor Construction Inspection and Operations Georgia's Perspective



November 2009 Jim Sommerville, Georgia Environmental Protection Division

Plant Vogtle Units 3 and 4



- **Timeline**

- **2006 Early Site Permit Application**
- **2007-2008 Environmental Impacts**
- **2009 Licensing Board Hearing**
- **2009 Limited Work Authorization and Early Site Permit issued by USNRC**
- **2009-2010 Limited Site Construction**
- **2010-2016 Construction**
- **2016-2017 Fuel Load and Operations**

State Involvement



- **Environmental Impacts**
 - **Working closely with Southern Nuclear**
 - Permitting on water, erosion, land disturbance, air
 - **Worked closely with USNRC**
 - Draft and Final Environmental Impact Statements
- **Safety and Offsite Consequences**
 - **Limited involvement as Offsite Response Organization**
 - **Updating existing emergency plans for Units 1 & 2**
- **Construction Inspection Assessment**
 - **No involvement – States don't regulate inside the fenceline**

Improvements to CIAP



- **ROP Cornerstones Implemented Prior to Operations**
 - **Emergency Preparedness** - Each nuclear plant is required to have comprehensive emergency plans to respond to a possible accident. This cornerstone measures the effectiveness of the plant staff in carrying out its emergency plans. Such emergency plans are tested every two years during emergency exercises involving the plant staff and local, state, and, in some cases, federal agencies.
 - **Occupational Radiation Safety** - NRC regulations set a limit on radiation doses received by plant workers, and this cornerstone monitors the effectiveness of the plant's program to control and minimize those doses.
 - **Public Radiation Safety** - This cornerstone measures the procedures and systems designed to minimize radioactive releases from a nuclear plant during normal operations and to keep those releases within federal limits.
 - **Physical Protection** - Nuclear plants are required to have well-trained security personnel and a variety of protective systems to guard vital plant equipment, as well as programs to assure that employees are constantly fit for duty through drug and alcohol testing. This cornerstone measures the effectiveness of the security and fitness-for-duty programs.
- **Recommend 1-2 Year Phase In of Cornerstones Prior to Fuel Loading**
- **Recommend Continue to Use CIAP in lieu of Initiating Events, Mitigating Systems and Barrier Integrity cornerstones of the ROP**
 - **Until 100 hours of operation and CIAP can be closed out**

Future / Desired State Involvement

- **Key Areas: Offsite Safety, Environment**
 - **More coordination amongst USNRC and all Offsite Response Organizations during construction**
 - **Higher concerns during overlap from construction to startup**