

NRC Public Meeting
Southern Nuclear Operating Company
Plant Hatch Tritium Update
August 9, 2006

Objectives

- Ensure NRC has full understanding of tritium issue at SNC Plants
 - no threat to public health and safety
 - all releases are below regulatory limits
- Provide overview of tritium at Plant Hatch
- Review all actions undertaken by SNC

Overview at Plant Hatch

- Historical Reporting and Monitoring
 - Regulatory event reporting since 1978
 - Public awareness and NRC interactions
- Recent Events
 - Identification of new release points
- Corrective Actions
 - Stopped known on-site releases to groundwater
 - Permitted most recently identified release points
 - Established ongoing and enhanced monitoring

Environmental Program

Overview

- Historical monitoring
- Discovery of un-permitted releases
- Communications
- Southern Nuclear's corrective actions
- Monitoring program going forward

Historical Monitoring

- Onsite
 - Drinking water wells
 - Groundwater monitoring wells
- Offsite
 - Monitoring water samples from Altamaha River
 - Georgia EPD offsite testing
- Site Hydrology

Recent Events

- On-site
 - Historical releases & sources
 - No known current sources
- Off-site
 - Reclassification of release points



Communications

- Nuclear Regulatory Commission
- Georgia Environmental Protection Division
- Local officials
- Nuclear Energy Institute

Corrective Actions

- Stopped known on-site releases to groundwater
- Permitted most recently identified release points
- Enlisted a consultant to perform a hydrology study
- Enlisted an engineering firm to study underground piping
- Increased and enhanced sampling and inspection program at plant
- Other measures

Action Steps Going Forward

- Implementation of industry groundwater protection plan
- Continue to examine site hydrology
- Evaluate locations for additional monitoring wells
- Refine groundwater monitoring protocols
- Expansion of preventative maintenance programs

Summary

- All known releases are permitted and monitored
- All releases below regulatory limits
- No offsite groundwater migration of tritium
- No threat to public health & safety