Savannah River Release Response

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Purpose

To satisfy a 2015 Facilities Disposition and Site Remediation (FD&SR) Committee Work Plan topic.
City of Savannah Water Supply

- **Groundwater system** - 50 wells
- **Surface water system** - Industrial and Domestic Water Treatment Plant (I&D)
  - 60 million gallons per day capacity
  - Service population of ~40,000
  - Wholesaler
Savannah River at Bear Creek
Tritium Monitoring

• Daily sample collection from Burtons Ferry - Highway 301 bridge.
  - Three days warning

• Daily raw water in-house composite sampling since 1992.
Release Event

• Use release information to determine treatment options.
  - If possible, treat accordingly

• Currently no off stream storage to bypass release event.
  - Future off stream storage has ~3 day storage

• No tritium mitigation process available.
Release Event

Customer Notification

• Direct notification of industrial and municipal customers.

• In 1991 release event, paper mills continued operations, but Savannah Sugar shut down.

• Municipal wholesale customers make decision about notification or advisory to their retail customers.
Questions?

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