

# South Carolina Governor's Nuclear Advisory Council

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Vice President

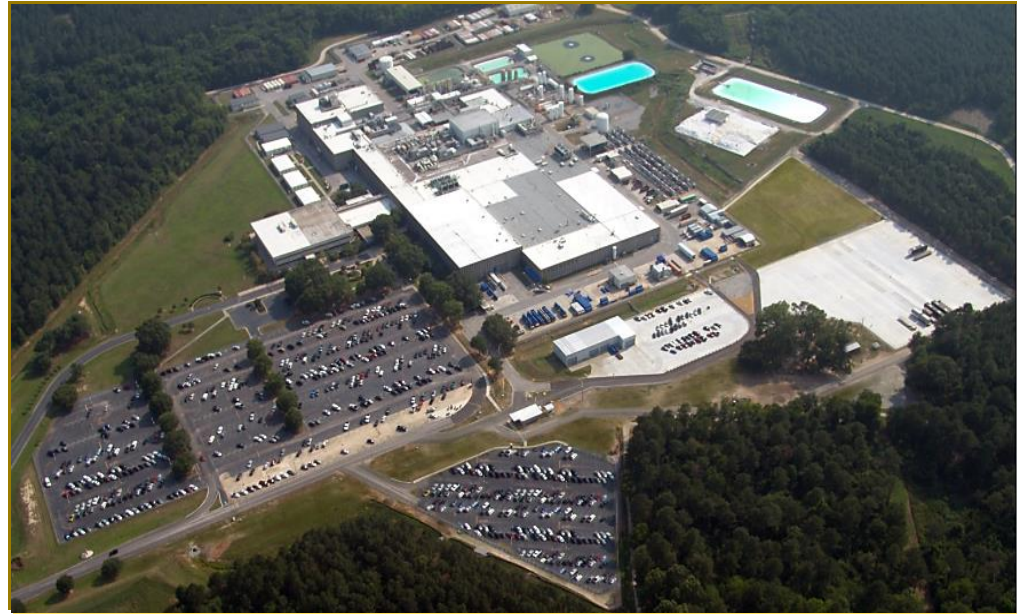
Columbia Fuel Fabricating Facility

April 25, 2019



# Overview: Major Environmental Improvements & Progress

- Spiking Stations & Contaminated Wastewater Line
- Conceptual Site Model & Remediation Strategy
- SCDHEC Consent Agreement
- U.S. NRC License Renewal
- Community Engagement



**Continued, enhanced commitment  
to transparency and excellence**

# Spiking Stations & Contaminated Waste Water Line

## Spiking Stations

- Completed remediation for Spiking Station 2
- Filled excavated area with flow fill
- Installing improved Spiking Station
- Plant's chemical area treated as Operable Unit under Consent Agreement.
  - Recognize there is contamination underneath the chemical floor
- Plans for Spiking Station 1 replacement
- This and future remediation handled through site conceptual model, and under the Consent Agreement
- Expect Spiking Station 1 to be part of the whole operating unit decommissioning unless significantly different contamination is noted in testing

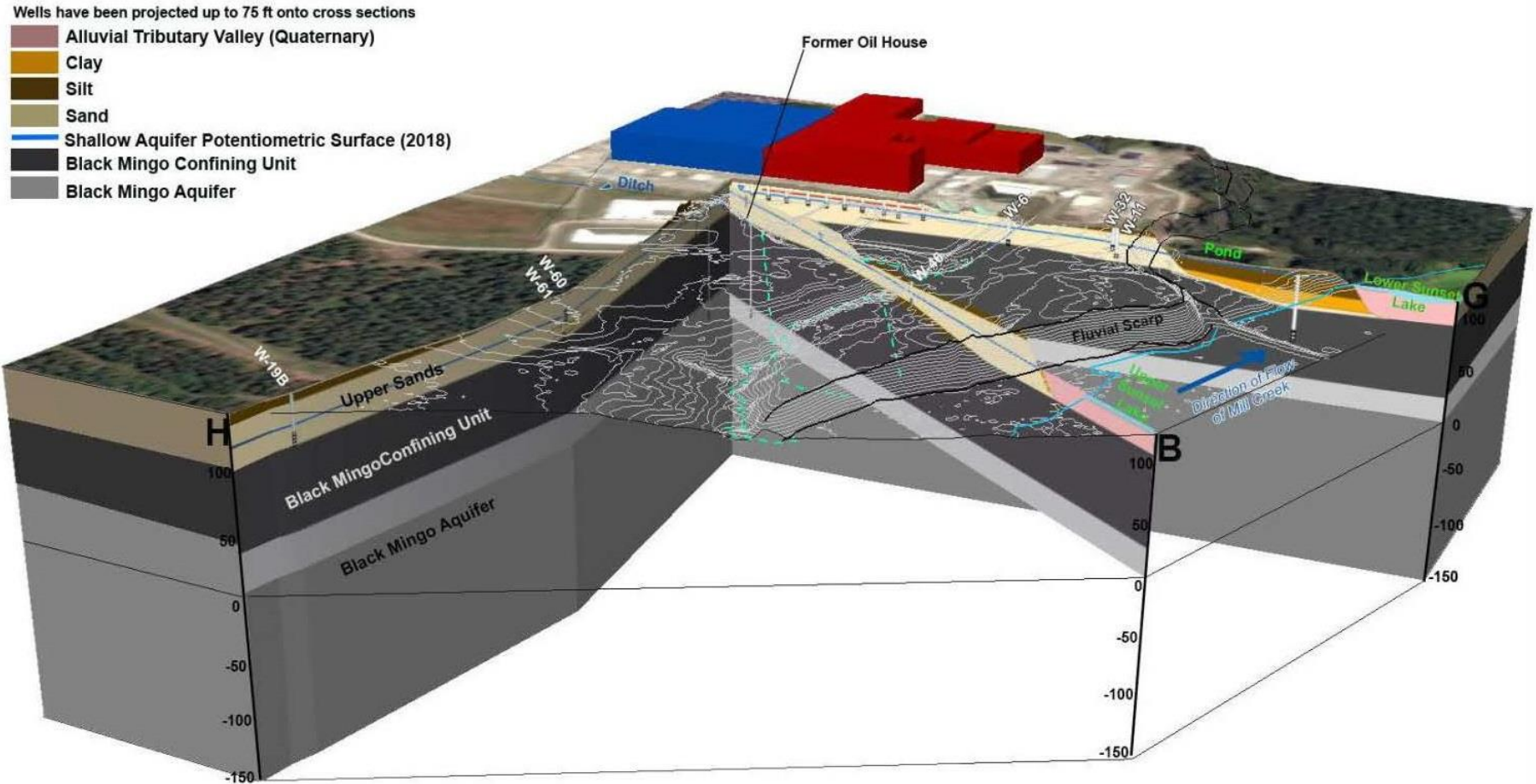
## Contaminated Waste Water Line

- Completed an Inspection of lines outside of the building that tie into the contaminated waste water line; no issues
- Will be addressed under the Consent Agreement



Remediation activities monitored by  
DHEC through Consent Agreement

# Conceptual Site Model – Sample Geology Diagram



# SCDHEC Consent Agreement

- Structured process with DHEC oversight
- Uses conceptual site model and remediation strategy to inform the process
- **Next step:** submit remedial investigation work plan
  - Comprehensive – In addition to our environment program we are proposing:
    - 29 new permanent wells
    - 11 lithologic soil borings
    - 13 additional soil samples
    - 18 sediment samples
    - Complete round of testing for the existing groundwater well network
  - Informed by conceptual site model
  - Gain DHEC's approval – drafts shared to allow shorter review time, enabling closer start-time
  - Work to begin within 15 days of approval

# U.S. Nuclear Regulatory Commission License Renewal

- Received and provided answers to requests for additional information (RAIs)
- Submitted updated Environmental Report and Renewal Application
  - Past and present issues are being addressed through the consent agreement, which requires development of remediation plans
  - To ensure a consistent response if any future issue would arise, we have committed to:
    - A living conceptual site model
    - Implementation of remediation strategy process
      - Structured Decision making process
      - Informed by the *Industry Groundwater Protection Initiative* (NEI 07-07) and *Reg. Decommission Planning During Operations* (USNRC Guide 4.22)



# Community Engagement: A Structured Approach

- Lower Richland County Community Advisory Committee
  - Engaging with local leaders and community members to establish an open, transparent dialogue
  - Providing regular updates to leadership, including on Consent Agreement
  - Working with LRCAC to develop pathways for improving nuclear literacy in the community
- Established an Employee Community Engagement Council
  - Building on and expanding existing site-based programs
  - Driving ongoing community engagement, volunteer opportunities and local corporate social responsibility
  - Finalizing Employee Community Engagement Council charter
- South Carolina State University
  - Continue to work on improving connections between Columbia Fuel Fabricating Facility and the University
  - Exploring the potential to work collaboratively on developing nuclear literacy programming for the community
- Still to Come: Establishing a Community Advisory Board
  - Foster two-way communication between Westinghouse and stakeholders
  - Based on best practices across Westinghouse and Industry



**We continue to work toward stronger  
community relationships**

# Questions?