Columbia Risk Reduction & Environmental Update NRC Public Meeting

February 4, 2021



Leaving a new legacy: One of environmental excellence

- Path Forward:
 - Execute our Environmental Excellence Plan and Global Manufacturing Strategic Priority
 - Comprehensively address all legacy issues; leave no questions
 - Continue to implement future-focused strategies based upon industry best practices
 - Foster a culture of transparency and doing the right thing
 - Build productive relationships with our community and key external stakeholders
- While we address our legacy issues, we are building a culture that will achieve and sustain environmental excellence:
 - Conceptual Site Model/Extensive monitoring strategy
 - Remediation Strategy document
 - Investment in people, systems, and equipment
 - Leveraging experts
 - Intrusive management engagement and critical oversight



Risk Reduction

- Implement Environmental Recovery/Consent Agreement Plan Actions
- Implement Remediation Strategy Document
- Improve Items Relied on for Safety Margin
- Reduce Collective Radiation Exposure
- Industrial Safety and Fire Program Improvement Plans
- Investment in Environmental Health & Safety (EHS) Systems and Equipment



Our new site leaders, corporate leaders, and owners are setting a clear tone and new standards of excellence for Environmental Health & Safety performance, and risk reduction

Environmental Improvements

- Eliminated sources of potential stormwater contamination from retired roof equipment
- Eliminated 100% of Sealand container storage containing radioactive materials
- Eliminated use of PCE in the solvent extraction process and disposed of bulk solvent mixture
- Eliminated Plating Room and its Scrubber
- Eliminated Chemistry Laboratory Scrubber
- Eliminated old Spiking Station design risk
- Completed wastewater treatment plant chlorination upgrades
- Added dedicated URRS department manager
- Completed extensive Fire Protection upgrades Fire Brigade certified as a Fire Department



Environmental Risk Reduction Activities

Roof Equipment - Before



Roof Equipment - After



Sealands







Environmental Risk Reduction Activities

Elimination of Perchloroethylene

We have eliminated the use of Volatile Organic Compounds used in uranium recovery operations

- Completed shipment and disposal of bulk solvent containing perchloroethylene (PCE)
- Modified uranium recovery process in service May 12, 2020
 - New process uses Dodecane Eliminated the need for PCE
- Off-loaded remaining Sealands containing drums with residual PCE
- Created storage locations for PCE drums pending EPA-approved disposition strategy









Future Environmental Improvement Activities

- Complete Spiking Station #1 modifications/floor upgrade (March 2021)
- Complete Sanitary Lagoon Sludge characterization to determine closure method (April 2021)
- Remediate & close the East Lagoon (June 2021)
- Complete planned sitewide remedial investigation in accordance with SC DHEC Consent Agreement (June 2021)



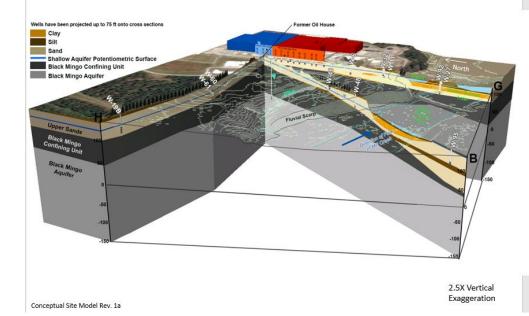




Remediating Legacy Issues

- DHEC Consent Agreement signed on Feb 26, 2019
 - Conceptual Site Model
 - Communication Protocol
 - Work Plans/Routine Meetings
 - Phase I RIWP completed
 - Phase II RIWP began in November and continues through June 2021

Site CSM Block Diagram – Geology



Remedial

Remedial Action

RI Work Plan

We are Here

Westinghouse

(FS)

FS / Record of Decision

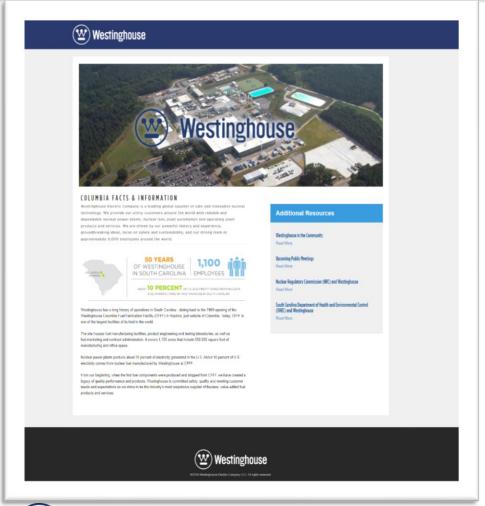
Work Plan

Completion Report

Final Approval of

Comprehensive CA signed with SCDHEC to address historical impacts following the CERCLA process and to promote the involvement of the local community and other key stakeholders

Communications & Community Engagement



- Columbia Fuel Fabrication Facility
 Website
 - Source of publicly available information for ease of use
 - http://www.westinghousenuclear.c om/columbiacommunity
- Dedicated Communications and Community Resources
 - We have resources located at the Columbia Fuel Fabrication Facility dedicated to engaging and managing community relations



Summary

- The Columbia facility has been transformed from an environmental perspective over the past two years
- We are implementing a sustainable culture change that influences all aspects of our performance
- We are rooting this change in a culture of strong selfidentification, doing the right thing regardless of how hard it may be and, transparency with all stakeholders
- Reinvigorated corporate oversight and support to ensure we remain on track and drive sustainable change

Focused on leaving a legacy of environmental excellence

