



Columbia Fuel Fabrication Facility

GNAC Meeting
October 24, 2022

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Agenda

- Consent Agreement
- License Extension
- Recent Changes
- Long Term Plant Reliability, Risk Reductions and Improved Quality and Process Controls
- Path Forward

Safety ✦ Quality ✦ Integrity ✦ Trust

Consent Agreement

Dealing with the past in a comprehensive, transparent & predictable process

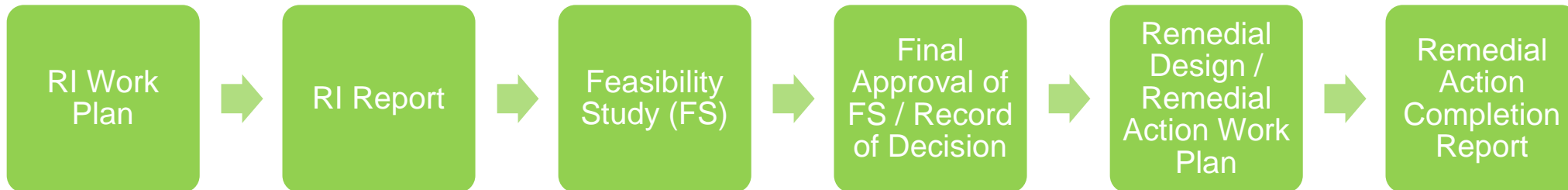
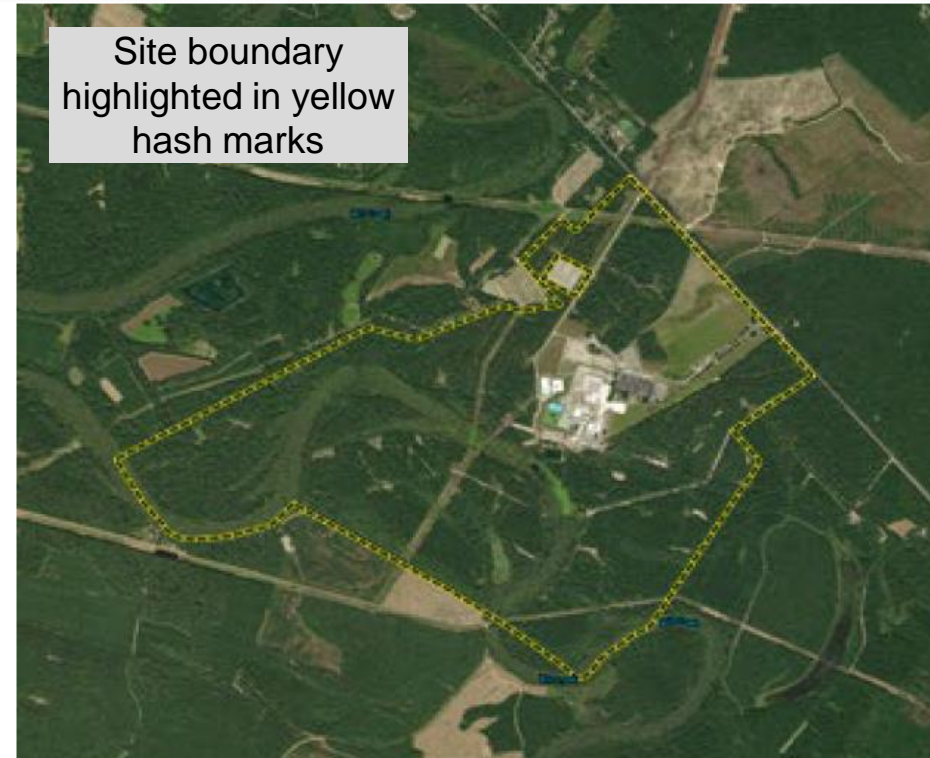
2018 spiking station event and plant initiated CWW investigation led to creation of a comprehensive CA with SCDHEC to address historic impacts on the CFFF property

CA Benefits:

- Ensure regulatory certainty as we identify and address all legacy issues
- Rebuild stakeholder trust through comprehensive actions and transparent issue resolution
- Consent Agreement steps shown below are based upon the CERCLA process; SCDHEC must approve each step

CA Status:

- Remedial Investigation Report with DHEC for Review
- Work in process to begin Feasibility Study
- Initiated multi-year process to close the sanitary lagoon



NRC License Renewal Completed September 2022

- Began process to renew in 2014
- EIS issued in July 2022 recommended a 40-year term; EIS identified all risks as low except for onsite groundwater which was identified as low to moderate risk
- Operating license extended until September 2062
- NRC has already inspected CFFF to the new Environmental license requirements, with no issues
- **Public process helped to shape the final license submittal**

Key strategy for next 40 years:

CFFF agreed to following commitments in our NRC license application to ensure environmental excellence is built into our programs and processes, reducing “leader dependence” and sustaining risk reduction long into the future:

- Living Conceptual Site Model – in place and being used
- Remediation Strategy Procedure based upon industry best practices – in place and being used
- Environmental program data trending and monitoring – in place and being used
- Completion of the SCDHEC Consent Agreement
- NRC review/approval of CFFF EM program:
 - Upon completion of Remedial Investigation Report
 - Upon completion of overall Consent Agreement work

Long Term Plant Reliability, Risk Reductions & Improved Quality Controls

• Environmental Risk Reductions

- Disposed of greater than 500 legacy UF6 cylinders
- Piping Inspections – Inspected 100% of contaminated underground piping and 80% of non-contaminated piping – piping replacement strategy in place
- Seismic upgrade of Uranyl Nitrate (UN) Bulk Storage Tank in progress – scheduled to complete by end of 2022 – 5 of 6 tanks have been upgraded
- Remove legacy ventilation system off roof - 2023
- Eliminate Sanitary Lagoon – complete by end of 2026

• Major Infrastructure Risk Reduction Improvements

- Completed installation of final standby diesel generator
- 3 new air compressors/dryers
- 2 new chillers
- Replaced Hydrogen and Natural Gas piping and headers and installed double isolation valves
- Replaced 3 automatic transfer switches – only one remains to be completed
- Administrative Building electrical/HVAC/fire protections upgraded to current day code
- IT infrastructure Improvements



Legacy UF6 Cylinder



Community/Employee Engagement (2022 YTD)

CFFF sponsored the Hopkins Adult Activity Center's Healthy Hearts Drive-Thru



11th Annual Rainbow International Golf and Auction - mothers living in Columbia battling stage IV cancer



2022 Midlands Heart Ball for the American Heart Assoc.



Lower Richland-Sweet Potato Festival



Hopkins Middle School Graduation Celebration



Lower Richland-Unity in the Community Peace Walk



Community/Employee Engagement (2022 YTD)

31st Annual Senior Citizens Healthcare & Fun Day Luncheon



- Columbia Chamber of Commerce Breakfast
- Disabled American Veterans (DAV) Columbia, South Carolina
- Monthly Food Boxes (Local community elderly)
- Rebuild & Renovate homes in the local community for Seniors & Disabled

Columbia Facility Fire Brigade Visits with Elementary School Students to Promote Fire Safety



Lower Richland STEM & Entrepreneurship Youth Summer Camp



Upcoming Sponsorship Events

- Lower Richland Veterans Day Parade
- Thanksgiving Food Boxes for Low-income families
- March of Dimes- "Feeding Motherhood"- 24th annual
- Midlands Signature Chefs Auction



Path Forward

- Foundation going forward has been clearly established
- Continuous Focus on reducing Risk, improving Safety, Quality and Process Controls
- Compliance with Consent Agreement – with DHECs approval we look for opportunities to accelerate and pull ahead in the schedule
- We owe it to our customers, the communities they operate in and the public to provide leak free fuel
 - About 10% of US electricity comes from nuclear fuel manufactured by Columbia
- Our goal is to operate in a safe, environmental conscious manner, produce leak free fuel and provide high quality components to our customers to ensure health and safety of the public and surrounding communities



CFFF will continue to do the right thing in an open transparent manner with all stakeholders