



U.S. DEPARTMENT OF  
**ENERGY**

Savannah River Operations Office

# Salt Waste Processing Facility (SWPF) Update

(including future Saltstone Disposal Unit update)



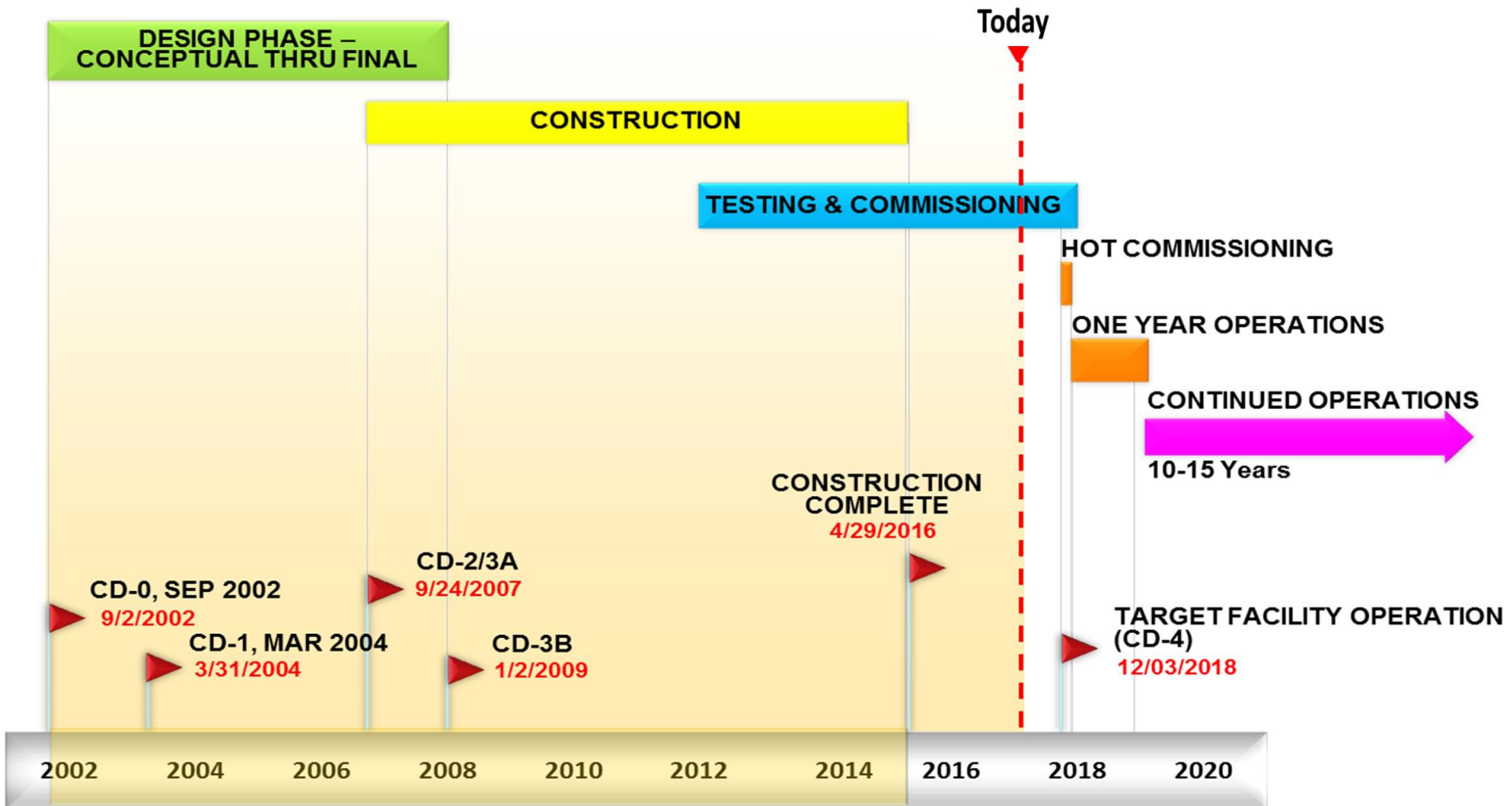
## South Carolina Nuclear Advisory Council

*Shayne Farrell,  
Deputy Federal Project Director (DFPD)  
SWPF Project Office*

*April 13, 2017*



# SWPF Project Milestones



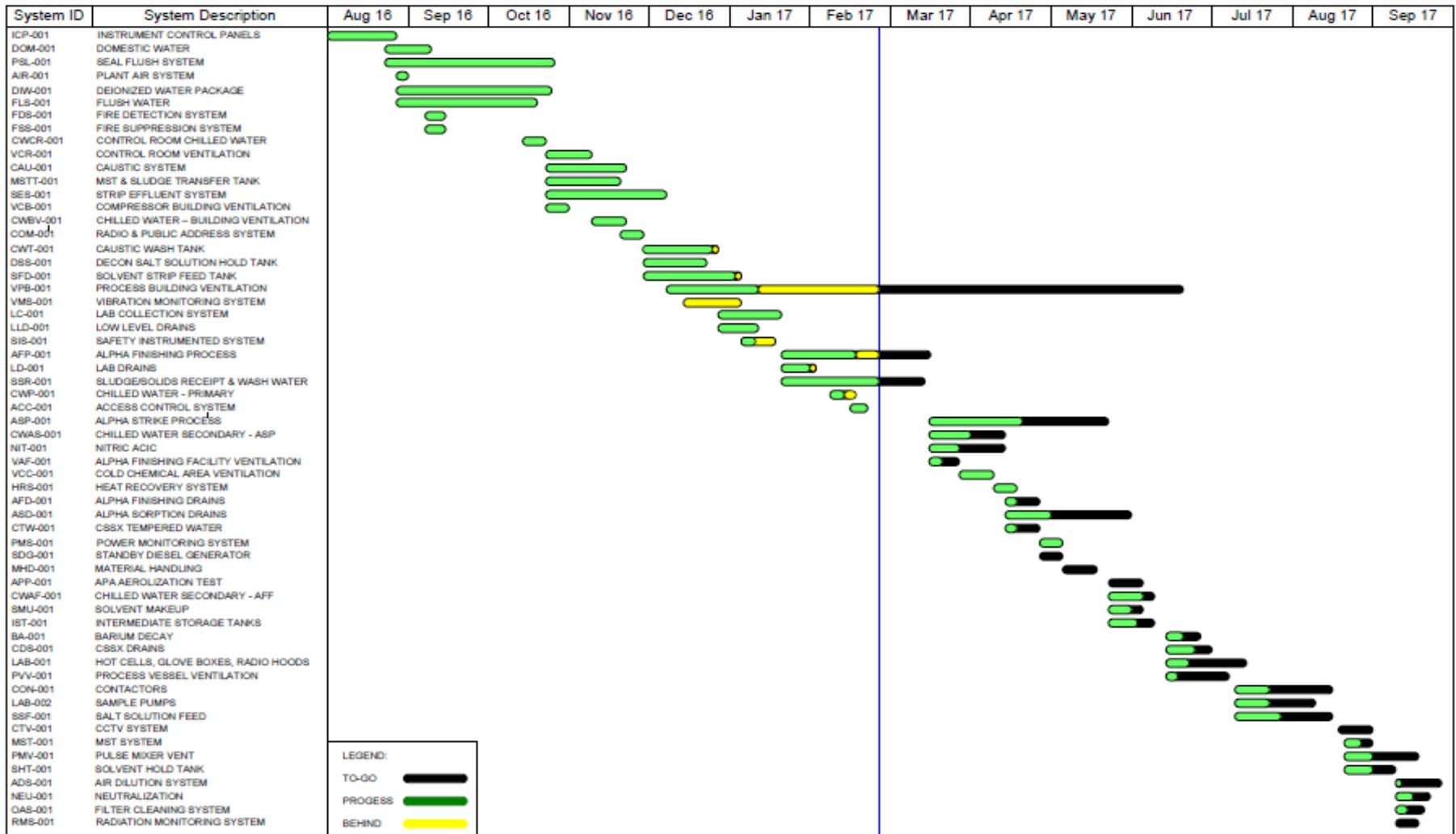
# Accomplishments/Progress to Date

- 406 days without a Lost Workday Case
- Testing progress (through February):
  - 21 of 60 System Operability Tests (SOTs) completed
  - 1,836 of 1,995 (92%) remotely operated valves / instruments completed Calibration, Grooming and Alignment (CG&A)
  - 93 of 105 (88.6%) In Service Leak Tests (ISLT) completed
  - 57 of 75 (76%) Category D Piping Tests completed
- 917 Work Packages (99%) Closed thru February
- Initiated construction on temporary tank farm for use of simulant during cold commissioning
- Issued Integrated Project Team (IPT) Charter for Liquid Waste (LW) -SWPF Transition to Operations
- Plans of Action submitted to HQ for review and comment – HQ comments being incorporated.
- DNFSB Oversight of Safety Instrumented System Testing
- Submitted Mission Need Statement for SDU 8 and 9 – EMAAB on 3/16/17
- Start-up Notification Report Submitted – routing for HQ approval
- Accelerating facility modifications to accommodate introduction of Next Generation Solvent (NGS) into the SWPF flow sheet
  - Funded with construction cost underruns
- Commenced construction of waste transfer line tie-in with LW system



# System Operability Testing Status as of February 28, 2017

## System Operability Testing Status



# Future Saltstone Disposal Units (SDUs) (SDUs 7 – 12)

- SWPF Project Office (SWPFPO) assumed project management ownership for future SDUs
  - Shayne Farrell (SWPF - DFPD) named Federal Project Director for remaining SDUs
  - Utilizing experience and resources from successful construction of SWPF
- Remaining SDUs will be designed and constructed incorporating lessons learned from successful completion of SDU 6, including use of the liner

## SDU 7

- HQ Approval to commence design/construction expected April 2017
- Construction start is planned for Fall 2017
- Project needs congressional authorization of new start and funding in FY 2017 to commence

## Future SDUs

- Mission Need for SDUs 8 and 9 SDUs approved in March 2017
- SDU 8/9 Design planned to begin in Fall 2017
- Approval for Mission Need for SDUs 10-12 planned for Fall 2017

# Looking Forward

- Project funding is stable in FY17 and supports mission needs
- Contractor is incentivized to complete testing, commissioning, start-up and operations
  - Modeled after successful construction incentives
  - Schedule incentives in place for December 2018 start-up
  - Cost savings incentives in place, including cost sharing of underruns/overruns
  - Operational incentives in place to meet processing goals
- Sustaining Momentum on Testing
  - Project metrics focused on testing performance
  - Increased IPT presence in the facility
  - Extended SWPFPO ITP engagement, training and mentoring
- Ensure LW Ability to Support Efficient SWPF Start-up
  - Continue Integration efforts to support efficient SWPF start-up
- Secure new start authorization and funding for SDU 7 and beyond

