



U.S. DEPARTMENT OF
ENERGY



Salt Waste Processing Facility Project Status and Path Forward

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*CAB Full Board Meeting
September 2019*

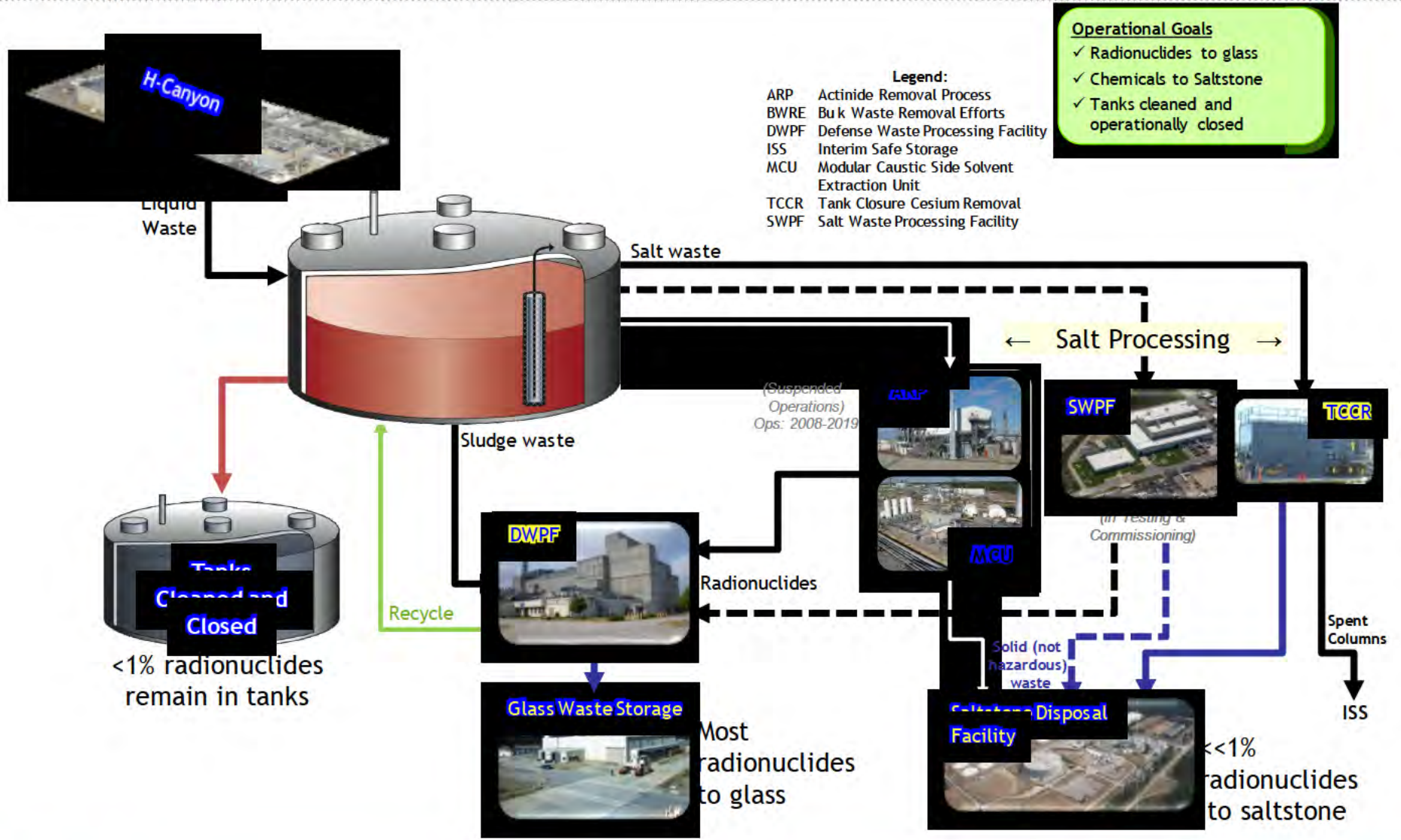
SWPF Project Overview

Salt Waste Processing Facility (SWPF)

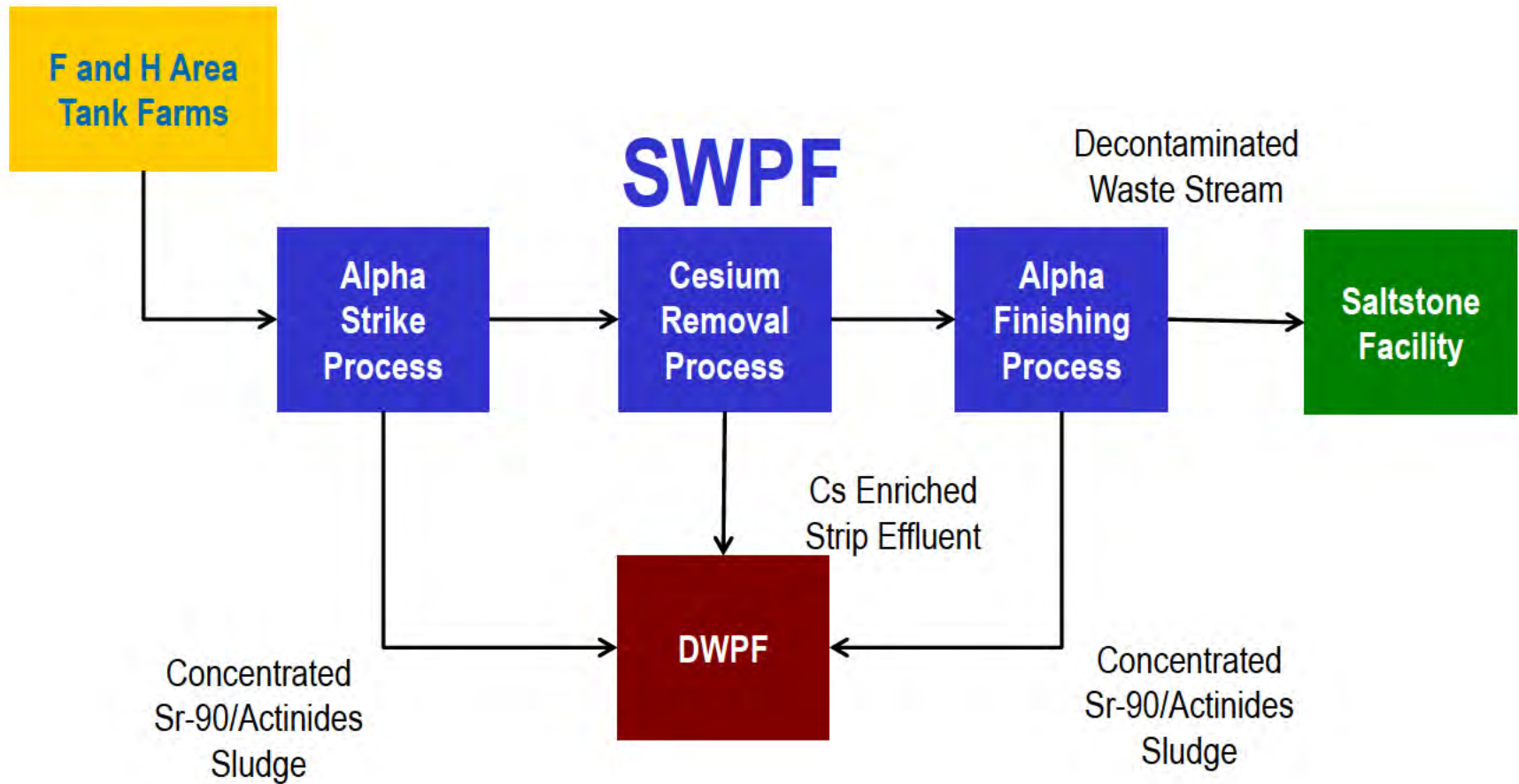
This critical facility will:

- Reduce radioactive waste volume requiring vitrification;
- Utilize the same actinide and cesium removal unit processes as Interim Salt Processing Facilities (Actinide Removal Project/Modular Caustic Side Solvent Extraction Unit);
- Process over 90% of Tank Farm liquid radioactive waste (~100 Mgal after dissolution); and
- Have a nominal design capacity of 7.2 Mgal/year (or better!)

Liquid Waste System

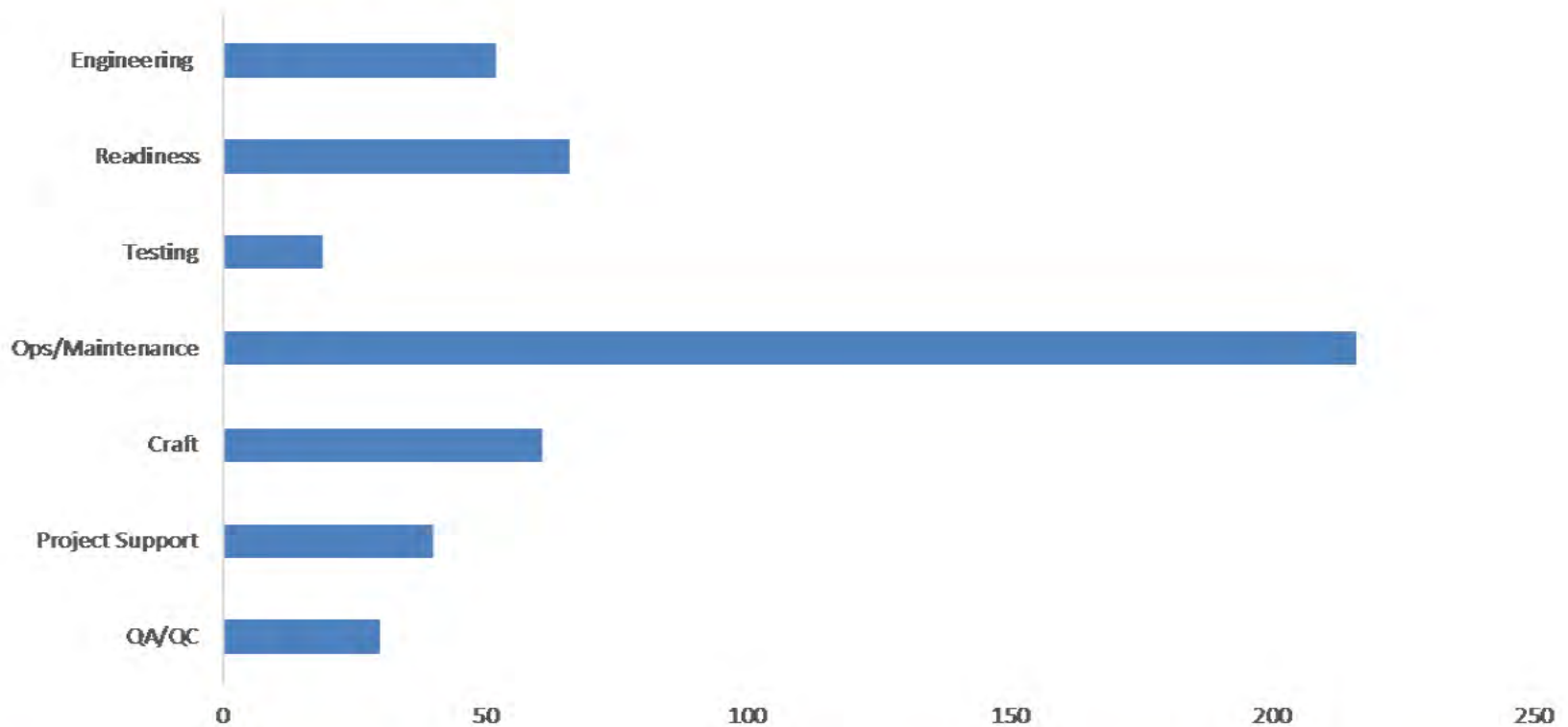


SWPF Process Overview



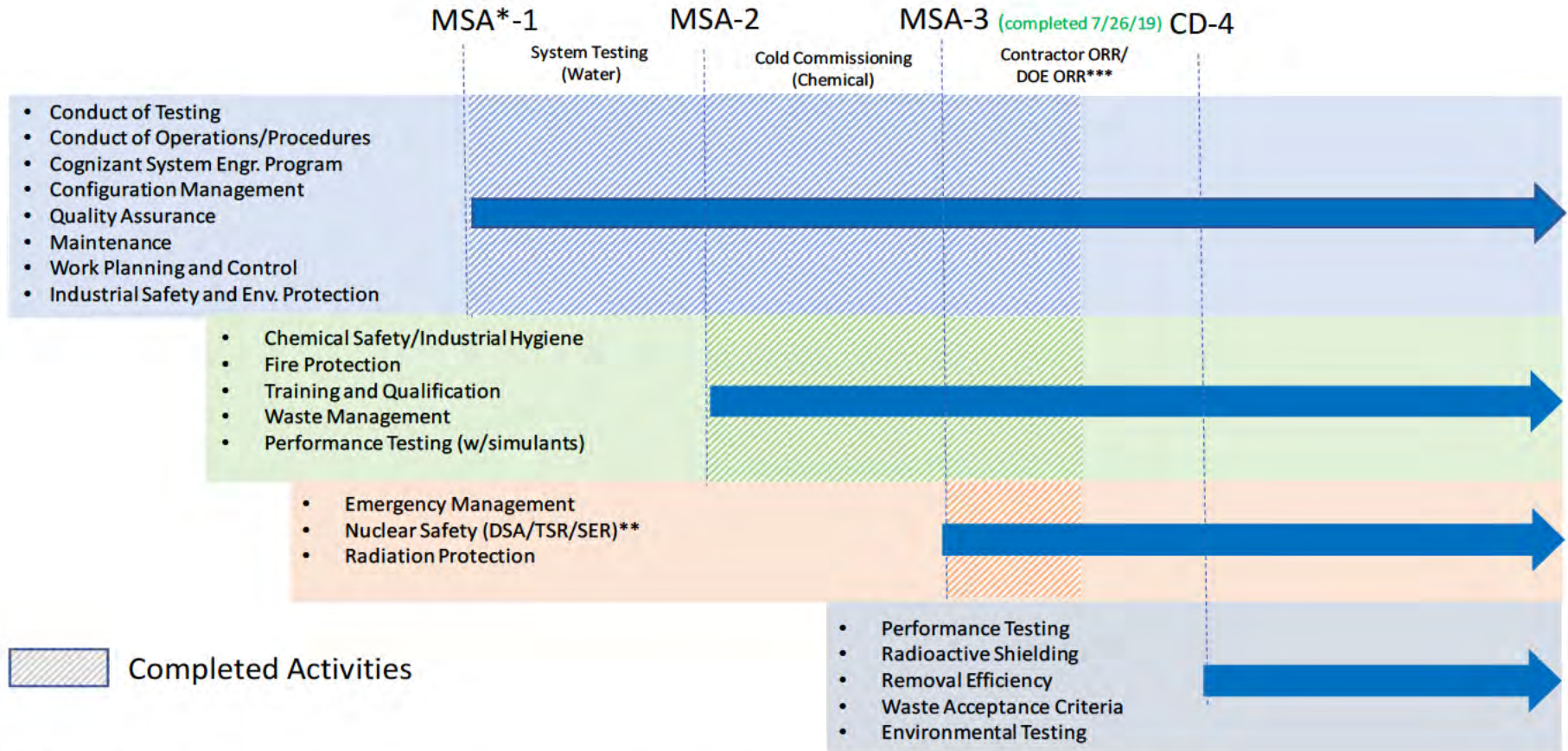
Salt Waste Processing Facility

- Parsons is the contractor for the SWPF project (design, construction, testing & commissioning, and operations for one year)
- Current workforce of ~484



SWPF Testing & Commissioning Status

Testing & Commissioning Program: Safety Management Programs



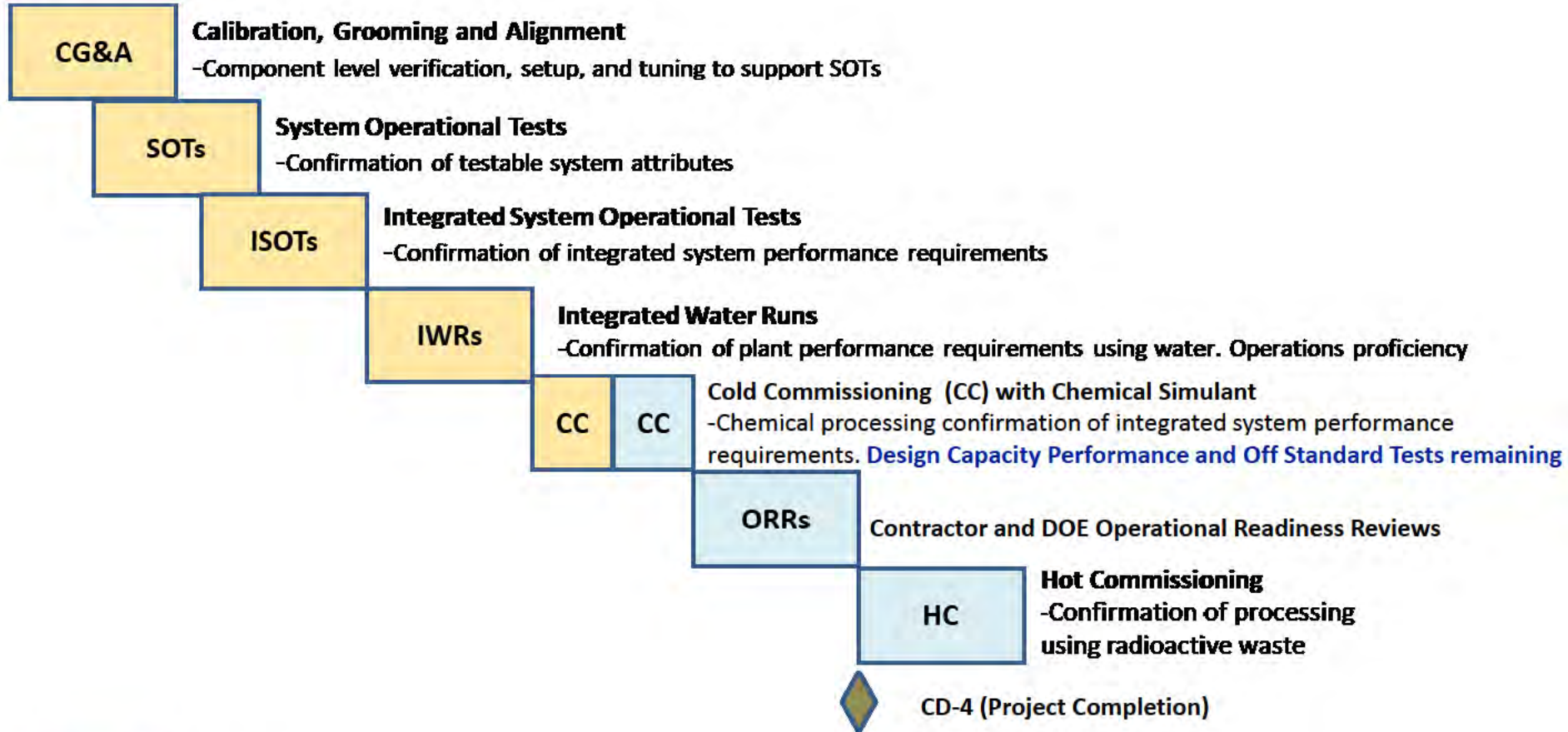
*MSA – Management Self Assessment

**DSA/TSR/SER Documented Safety Analysis/Technical Safety Requirements/Safety Evaluation Report

*** MSA-3 and ORR include integration with LW Contractor

Testing and Commissioning Approach

System Turnover



 – Completed Activities

Next Steps

- Next Steps Include:
 - Complete CC phase and begin Operations Readiness Reviews

Note: The SWPF baseline CD-4 date of January 31, 2021 and the Total Project Cost of \$2.3B approved by Deputy Secretary of Energy in August 2014 remains bounding.

Looking to the Future

The SWPF Project is poised for continued success:

- Continued commitment to protection of the public, the worker, and the environment
- No significant technical or regulatory issues
- Consistent and strong management team – both DOE, Parsons, and SRR
- DOE, Parsons, SRR, SRNS, and SRNL working very well together for an integrated solution
- Savannah River Site uniquely positioned for a complete LW clean-up solution – once SWPF is operational all pieces will be in place