Oak Ridge's Approach to Managing Capital Asset Projects



Brian Henry, P.E. Portfolio Federal Project Director for Y-12 Oak Ridge Office of Environmental Management

> Michael A. Gearhart, P.E. Senior Project Manager CH2M

Dan Macias Manager, General Plant & Capital Projects URS | CH2M Oak Ridge LLC



Construction projects that enable future cleanup of Y-12 and ORNL





Outfall 200 Mercury Treatment Facility



Onsite Disposal Facility



Sludge Processing Facility Buildouts

The successes of tomorrow begin with successful planning today





Why build the Sludge Processing Facility?





amsey D

Proposed Site for Sludge Buildouts Project

SL-PFB Concept Design



- Four major process components:
 - Tank Waste
 Mobilization
 - Mixing and Characterization
 - Solidification and Stabilization
 - Packaging and Shipping



Addressing the Oak Ridge Reservation's greatest environmental risk





Mercury Treatment Facility Headworks





Mercury Treatment Facility Treatment





Outfall 200: Controlling Cost, Reducing Risk, Maintaining Schedule



- Partnering DOE and UCOR
- Integrated Project Teams (IPT) and Special Topic IPTs
- Integrated project management and regulatory requirements
- Projectized activities for visibility
- Clear roles and responsibilities
- Construction management and integration in the design process
- Early site preparation

Integration of Project Management/ **Regulatory Requirements**





OF200 MTF organizational interfaces are being structured for success







DAS | OF200 MTF Interfaces R12 February 22, 2017

Addressing waste disposal for Y-12 and ORNL cleanup



- Challenge
 - Current onsite disposal facility will reach capacity in mid-2020s
- Solution
 - Design and construct new facility to meet future cleanup waste
 - Currently in CERCLA investigation/planning phase
 - On-site alternatives offer new facility in Bear Creek Valley; various sites under consideration
 - Capacity range at proposed sites 2.2-2.8 million cubic yards

