One System Integrated Project Team

Presentation to Hanford Advisory Board Tank Waste Committee

Ben Harp, DOE-WTP
Ray Skwarek, WRPS
Rick Kacich, WTP

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Update

- Last Time We Met - We were exploring the idea of One-System
  - Focusing on constructing to operate the WTP and associated facilities
  - Execute One System approach
    • Focus on integrating the TOC and WTP contract
  - Explore opportunity to begin operations of LAW
    • Operational risk reduction by starting lowest hazard category facilities first
    • Allows design, safety, personnel and program challenges to be recognized/mitigated while not on critical path
    • Gain critical experience required to start up and operate more complex and hazardous PT & HLW facilities

- Today
  - One System Organization has been put into place
  - Re-plan direction for WTP has LAW ready for operations in 2018
  - Tank Farms has completed a down-select for supplemental pre-treatment system – needs to be revisited
One System Management Approach

Four Organizations Unified to Achieve “One System”

DOE – Office of River Protection

Waste Treatment Plant (WTP) Bechtel National Inc.

One System Integrated Project Team

Tank Operations Contract (TOC) Washington River Protection Solutions
One System Integrated Project Team

Vision

One System is a WTP and TOC safety-conscious team that, through integrated management and implementation of risk-informed decisions and mission-based solutions, will enable the earliest start of safe and efficient treatment of Hanford’s tank waste, to protect the Columbia River, environment and public.

One System Management Team-Building Workshop
February 10, 2012
Implementing One System Vision

- WTP and TOC working together to integrate planning, scheduling, and management of interface activities required to prepare tank farm infrastructure for seamless commissioning and operation of WTP

- A dedicated WTP/TOC Integrated Project Team
- Making risk-informed decisions
- Developing mission-based solutions
- Enabling earliest start of safe and efficient treatment of Hanford’s tank waste
- Tackling toughest issues and learning from each other
- Identifying cost savings and efficiencies from common approaches
- Unified mission and perspective

Strong support and endorsement from DOE customer
### Integrated Waste Treatment Mission Leadership Team:
Mike Johnson (TOC) Frank Russo (WTP)

### One System Integrated Project Team (IPT) Management:
Raymond Skwarek (Manager) Rick Kacich (Deputy)

**Technical:** Scott Saunders (TOC) Garth Duncan (WTP)

**Front-End Design/Project Definition:** Paul Rutland (TOC) Jim Rugg (WTP)

**Commissioning:** Allan Exley (TOC) Ross Hamlett (WTP)

**Nuclear Safety/Eng. Sys. Integration:** Richard Garrett (TOC) Fred Beranek (WTP)

**Project Integration and Controls:**
Jeff Denning (TOC) John Arnold (WTP)

**ESH&Q:** Jack Donnelly (TOC) Dale Gergely (WTP)

**Public Relations/Stakeholder Management:**
Jerry Holloway (TOC) Suzanne Heaston (WTP)

**Engineering, Procurement, and Construction Support Functions**
“One System” management and organizational approach is within the scope of existing TOC and WTP contracts
– Requires no contract modification nor additional funding to implement
– Promotes integrated resolution of common issues
– Assist in identifying integration initiatives short-term and long-term
Near Term Initiatives Undertaken

- Conducted a WTP Options Workshop to openly discuss:
  - Direct feed alternatives
  - Technical issues and possible mitigation
- Supporting Energy Secretary Review Team
- Completed an Evaluation of Alternatives supporting Tank C-105 Dome Cut
- Obtained a joint WTP/TOC site license for SmartPlant® Foundation-Configuration Management System
- Created Program Integration Council
- Established formal One System Risk Management Team
- Documented initial cost savings resulting from One System
Other Initiatives

- Support deliverables for DNFSB 2010-2
- Enabling improved personnel resource sharing
- Updated interface documents between WTP/TOC and MSA

Seeking Opportunities for Improved Collaboration
Integrated Regulatory Strategy

Regulatory Strategy
- Integrating TOC and WTP regulatory requirements under One System IPT
- Work with Regulators and DOE on regulatory permits, permit requirements, and an integrated permitting strategy

Regulatory Approach
- Develop permits and execute work plans
- Negotiate permitting plans and schedules
- WTP modification of permits to align with TOC
- Develop One System Integrated Permitting Strategy approach (e.g., integrate TOC/WTP activities)
- Identify applicable environmental requirements and permits
- Identify One System workscope, schedules, and potential environmental impacts
We are committed to delivering a Vit Plant that will successfully treat the tank waste and protect the Columbia River and the millions of people who live near it or depend on it.