



DEPARTMENT OF ENERGY

Office of River Protection

HANFORD SITE

November 3, 2011

Agency Update to Hanford Advisory Board

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Deputy Manager



Tank Farm Activities

- System Plan 6
- ARRA work is completed
- Remote handling manipulator installed at 222-S laboratory
- Alternative analyses for capital projects



222-S Hot Cell



Effluent Treatment Facility



Tank Waste Retrieval Progress

- **MARS** installed and operating in **C-107**
- Hard heel removal started in **C-108**
 - Caustic dissolution began in October and scheduled to be completed in December (pumped to AN-106)
- **C-112** bulk retrieval
 - Completion planned for December
 - Extended Reach Modified Sluicer System
- **C-109 and C-110** hard heel removal
 - Engineering support and installation work planned for early March 2012
 - Completion planned for September 2012
- **C-105** design activities ongoing
- **C-101 and C-102** Extended Reach Sluicer System
 - procurement and construction activities ongoing
 - Bulk retrieval is scheduled for C-102 in FY13
- Retrieval **consultation**



MARS Testing



WTP

61% Complete

Key River Protection Project TPA/Consent Decree Milestones for FY 2012

LAB Construction Substantially Complete

Steam Plant Construction Complete

Complete Construction of Structural Steel to Elevation 37' in HLW Facility



Analytical Lab

78% design complete
74% procurement complete
66% construction complete



High Level Waste Facility

88% design complete
70% procurement complete
36% construction complete



Pretreatment Facility

79% design complete
46% procurement complete
38% construction complete



Low Activity Waste Facility

88% design complete
85% procurement complete
65% construction complete



Balance of Facilities

73% design complete
47% procurement complete
62% construction complete



Commitment to Safety

- ORP is committed to delivering a safe, efficient plant
 - Safety will not be compromised
 - Quality will not be compromised
- Focus areas
 - Safety culture
 - Waste mixing
 - Chemical and tank vapor monitoring



WTP All Hands



Pulse Jet Mixer



FY12 Priorities

- Consent Decree
 - Tank Retrievals
 - Integration
 - Waste Treatment Plant construction
- Tank Closure & Waste Management Environmental Impact Statement



WTP Aerial View

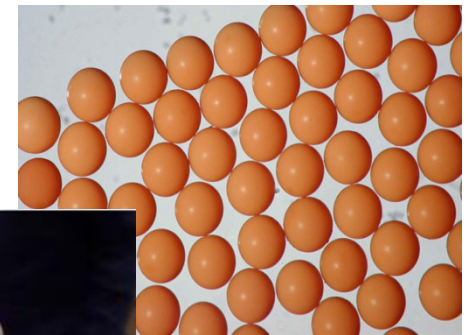


C-Farm Exhauster Stacks

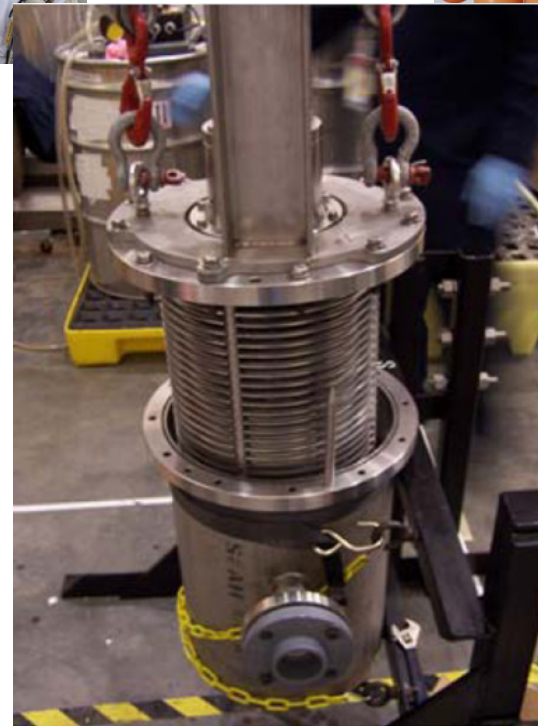


Continuing Resolution Challenges

- WMA-C PA
- SST analyses
- Supplemental treatment
- Pretreatment Facility
- Workforce restructuring



Ion Exchange Resin



Rotary Microfilter



Department of Energy
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