



West Valley Demonstration Project Backshift Monitoring Plan

Presented to: Citizen Task Force
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One Project. One Team. One Goal.

Recent History of Backshifts

- CHBWW's proposal had a reduced backshift
 - 2010 backshift had 4 operators, 1 Supervisor, & 1 Rad Tech
- During Transition, review confirmed reduced backshift justified
 - Many systems no longer active
 - Many procedures could be stream-lined/eliminated
 - Many surveillances and backshift activities could be stream-lined/eliminated
 - Backshift operating practices/crew size not commensurate with no active operations (surveillances and routine preventive maintenance only)

CHBWV Approach

- Maximize risk reduction by placing more workers on risk-reduction/risk-elimination activities
 - Cold, dark, & dry projects
 - Waste packaging & shipping activities
 - D&D projects
- Reduce inefficiencies in backshifts
 - Right size backshift crews commensurate with risks
 - Reassign displaced backshift personnel to risk-reduction activities (projects, waste, and D&D operations)
 - Reduced backshifts in “phases” to ensure proper assignment of resources for monitoring plant
- Good stewards of government/taxpayers’ monies

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Backshift Reassignment Phases

- **Phase 1 Complete:** At contract start - Backshift reduced to 2 operators with incident command qualifications & 1 Rad Tech
 - Performed evaluation of necessary actions for Phase 2 monitoring
 - Permit-driven water readings every 4 hours that would require new continuous monitoring equipment installed
 - Alarm evaluation to determine actions to minimize spurious alarms and plant affects from real alarms and non-routine events
 - Identified procedure changes for reducing/eliminating current surveillances
- **Phase 2 Complete:** Installed new wireless technology/ operations hub; right-sized surveillances & back-shift monitoring activities; reduced backshift to 1 operator with incident command qualifications & 1 Rad Tech
- **Phase 3 Working:** Facilities being taken cold, dark, and dry; continue to right size monitoring for remaining systems, install additional wireless capabilities; reduce backshifts commensurate with risks and ability to respond to emergencies

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