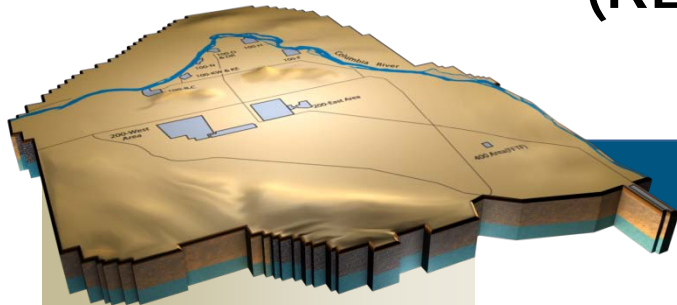


Section E Nuclear Facility D&D, Remainder of Hanford (RL-0040)



Monthly Performance Report

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U Canyon Cell Loading

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Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

American Recovery and Reinvestment Act (ARRA)

Installation of additional trailers continues to support the expanded staff. Staffing ramp up for ARRA-funded scope is almost complete.

Demolition of the U Plant Ancillary facilities continued with asbestos abatement and demolition preparation ongoing in 224U and 224UA.

Demolition of 212R and 212P was completed as well as the radiological surveys. Sampling of the soil beneath the structures is scheduled for December.

Mobilization of trailers and equipment is continuing in preparation for the Arid Land Ecology (ALE) Reserve D&D. Asbestos abatement and demolition preparation activities have begun.

Completed Cold and Dark utility isolations to support future demolition for the lower ALE facilities and continued with the utility isolation activities for the upper ALE structures.

The first of two cells for U Canyon demolition were loaded with designated equipment and cover blocks put back in place.

Continued Cold and Dark utility isolations to support future demolition for the ALE facilities.

Commenced excavation of the first CW-3 Remove, Treat, and Dispose (RTD) waste site.

Base

Planned surveillance and maintenance (S&M) activities continue. Preparations are in progress to allow change out of the B Plant high-efficiency particulate air (HEPA) and pre-filters. While completing the annual maintenance on the B Plant exhaust fans, a bearing that needed to be replaced was discovered.

The bearing has been replaced and the exhaust fan will be restarted after the B Plant filter change out is completed.

TARGET ZERO PERFORMANCE

	CM Quantity	FYTD Quantity	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	7	10	<p>11/01/09 - A D&D worker notified supervisor of a pain in right knee. The worker had been performing tarping an ERDF container. The worker was taken to AMH and released to work with no restrictions. (20528)</p> <p>11/02/09 - A worker sustained a low back strain while moving an air machine. Worker did not notice pain at the time. Sought treatment with AMH on 11/04/09 and was returned to work without restriction. (20532)</p> <p>11/03/09 - An Insulator, while working on an asbestos containment using spray adhesive, experienced a nauseous feeling. The Insulator exited work area and was taken to AMH for evaluation. Following a review by AMH, the Insulator was released with no restrictions. (20531)</p> <p>11/09/09 - A carpenter reported a stomach strain after placing a portable compressor in the back of a pickup. The carpenter was evaluated at AMH and returned to work with no restrictions. (20546)</p> <p>11/18/09 - A pipefitter supporting glycol system draining was assigned to drill a hole in the bottom of a pipe. The pipefitter was splashed on the chin with glycol. The worker was transported to AMH for evaluation and was returned to work the same day without restriction. (20566)</p> <p>11/19/09 - Employee was moving a box of plastic sheeting, the employee scraped against a "box staple" and scratched the back of his left palm, resulting in a scrape 3/4" long. The supervisor and employee utilized the "self-treat" method and cleansed the wound and applied a bandage. The employee returned to work with no restrictions. (20577)</p> <p>11/30/09 - An electrician slipped on stairs and caught himself because he was holding onto the handrail. He experienced back pain. The worker was transported to AMH for evaluation. The worker was returned to work without restriction. (20581)</p>
Near- Misses	0	0	N/A

KEY ACCOMPLISHMENTS

ARRA

- U Plant Regional Closure Zone (U Ancillary Facilities D&D)
 - Continued demolition preparation activities in 224U and 224UA.
 - Continued asbestos abatement activities in 224U and 224UA.
- U Canyon Demolition and Cell 30 Disposition
 - The first two cells of U Canyon were loaded with designated equipment and cover blocks put back in place.
 - Fixative has been applied to 50% of the canyon.
- 212N/P/R Buildings D&D
 - Completed demolition of 212R and 212P.
- 200-CW-3 Waste Sites Sampling
 - Excavation of the first RTD has commenced with 160 tons of soil removed and transferred to ERDF.
- ALE D&D
 - Completed placement of support trailers.
 - Completed waste characterization and Cold and Dark activities on the lower ALE facilities and continued waste characterization and Cold and Dark activities on the upper ALE facilities.
 - Continued mobilization activities to support D&D activities.
 - Started asbestos abatement activities on the lower ALE facilities.
 - Started demolition preparation activities on the lower ALE facilities.
- BCCA Waste Site Remediation
 - The mobilization for the BCCA excavation has been completed.
 - Remediation using “super dump” trucks was initiated with approximately 10,000 tons of soil removed and transferred to ERDF.
- Model Group 1 (MG-1)
 - The Response Action Completion Report (RACR) for 200-E-110 and 600-21 is in review.
 - Analysis of sampling data for 600-36 is complete indicating RTD is required. RTD is anticipated to commence in January.
 - Analysis of sampling data for 600-51 indicates RTD is not required. Closure documents are being prepared.
 - The Remedial Action Work Plan (RAWP) regulator review continues. Forecast date for review by regulator has impacted start of RTD activities.
 - The Action Memorandum for the remaining 23 sites has been prepared and has been transmitted to DOE for initial review.

Base

- S&M
 - Commenced effort for the B Plant HEPA and pre-filter change out.
 - Completed the B Plant annual fan maintenance. Fans will be restarted after the filter change out is completed.

MAJOR ISSUES

Issue Statement – Determination of a disposition path for the D-10 tank in Cell 30 has potential to be major impact on the U Canyon disposition schedule.

Corrective Action – RL is conducting meetings with the regulators to determine a disposition path.

Status – Parallel activities of equipment placement and bulk fixative application continue.

Issue Statement – Delays in procurement of super dump trucks for shipping waste to ERDF are impacting Waste Site Remediation in the Outer Zone. A change in direction was received by RL to require all equipment to be purchased by MSA. This has delayed procurement of these vehicles.

Corrective Action – CHPRC is working closely with MSA on priorities and procurement of equipment.

Status – The super dump trucks have been ordered and expected to arrive in January. REA and BCR are being planned to address the remediation delays.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk

● Working - No Concerns ↑ Increased Confidence
 ● Working - Concern ↔ No Change
 ● Working - Critical ↓ Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSR-006: Unassigned Risk - Decision Document Approval Delays	Work with RL and regulators to establish priorities and need dates	●	↔	Working concern.
WSR-007A: More Extensive Contamination Than Expected	Cannot control contamination extent; no mitigation	●	↔	Risk level reflects project life worst case impact of \$60M; individual waste site risks are moderate
D4-002: U Plant Cell 30 Tank (Redox D-10 Process Vessel) Found to be High-Level Waste	Conduct early assay/analysis to confirm tank waste type; if required, accelerate ROD revision for alternate disposal path	●	↑	Characterization samples taken; preliminary results are favorable for planned waste disposition
D4-003: Planned U Plant Cell 30 Holdup Material Disposition is Outside Baseline Assumption	Reevaluate FY 2007 study to confirm technical approach for Cell 30	●	↓	Path forward is being discussed with Regulators and RL but no decision has been made.
WSR-030: NRDWL Barrier (RCRA vs. ET-Mono)	Draft closure plan and L-8 table show ET-Mono; no mitigation	●	↓	Final closure plan not yet submitted to Ecology; risk probability may need to increase
WSR-008: No Action Waste Sites	Using L-8 table data; no mitigation	●	↓	Risk realized for 200-MG-1, 600-36
D4-020: Unexpected Condition/Radiological Contamination at Industrial Facilities	Early radiological surveys	●	↓	Several ALE structures may have radiological contamination. Structures are being surveyed.
WSR-021: Remediation Subcontractor Performance	Investigate subcontractor's past performance prior to contract award	●	↔	Probability reduced through mitigation; impact unchanged
WSR-028: Unexpected Liquid in Pipelines/Tanks	Anticipate liquids in field work plans; include spill response plans in RD/RAWPs	●	↔	No issues encountered to date.
PRC-029: Unforeseen Facility Condition.	Unassigned Risk.	●	↔	No issues at this time.
PRC-042: Resource Availability	Conduct job fairs; contract with alternate resource providers; develop training programs and work with local educational facilities and union halls to train required job specialties; establish company-wide prioritization for resource assignments	●	↓	Impacts beginning to be seen due to RCT shortages; RCT shortage could impact D4 and waste site remediation activities within the next six months

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 040/RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)
ARRA	8.5	7.4	6.6	(1.1)	-12.5	0.9	11.8	295.1
Base	<u>2.1</u>	<u>1.4</u>	<u>1.5</u>	<u>(0.8)</u>	-36.3	<u>(0.2)</u>	-14.0	<u>955.3</u>
Total	10.6	8.8	8.1	(1.8)	-17.3	0.7	7.8	1,250.4

Numbers are rounded to the nearest \$0.1M.

ARRA**CM Schedule Performance: (-\$1.1M/-12.5%)**

The negative schedule variance is due to delays in the procurement of additional super dump trucks for BC Control Area and 216-N-1, delays in the completion of cultural reviews of the MG-1 waste sites, and with the U Canyon demolition. Resource constraints for U Canyon as well as crane repairs have slowed the canyon deck clearing.

CM Cost Performance: (+\$0.9M/+11.8%)

The favorable cost variance is due to ERDF and sample analysis billings for O-Zone Waste Sites not being received as planned and as a result of aerial surveys performed on B Zone over 18% of the area was found to be clean and requires no remediation.

Base**CM Schedule Performance: (-\$0.8M/-36.3%)**

The negative schedule variance is due to the delayed start of the Cell 30 design. A decision by RL and the Regulators is expected in January as to a plausible disposition path forward for Cell 30. A Baseline Change Request will be initiated once the decision has been made on the path forward.

CM Cost Performance: (-\$0.2M/-14%)

The cost variance is within reporting thresholds.

Contract-To-Date (\$M)

WBS 040/RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)
ARRA	70.2	67.1	50.2	(3.2)	-4.5	16.9	25.2	295.1
Base	<u>34.8</u>	<u>33.3</u>	<u>29.6</u>	<u>(1.5)</u>	-4.2	<u>3.7</u>	11.2	<u>955.3</u>
Total	105.0	100.4	79.8	(4.6)	-4.4	20.6	20.6	1,250.4

Numbers are rounded to the nearest \$0.1M.

ARRA

CTD Schedule Performance: (-\$3.2M/-4.5%)

The negative schedule variance is being caused by slower than planned ramp-up of personnel for the U-Canyon Project which has caused the canyon deck clearing to fall behind schedule as well as starting the design of the grouting system; delays in the delivery of super dump trucks for handling waste from BC Control area remediation and 216-N-1 Waste Site due to project startup learning curves, availability of required equipment. These are partially offset by the early procurement of D&D capital equipment.

CTD Cost Performance: (+\$16.9M/+25.2%)

The favorable cost variance is largely due to slow ramp up and full implementation of the cold and dark teams and the sampling and characterization (WIF) teams; G&A and Direct Distributable allocations; slow ramp up of staff and subcontractors for the Outer Zone waste sites; efficiencies in demolition and sampling activities, particularly at 212-N, -P and -R, and 200-CW-3 waste sites; slow ramp-up and recognized efficiencies at U-Canyon; offset by increased material and equipment costs, increased use of masks and respirators due to the unexpected asbestos levels in the ancillary buildings in U-Ancillary, coupled with increased insulator staff and overtime to recover schedule. In the waste sites area, slow ramp up of staff and resources, as well as efficiencies in mobilization gained by changing to direct haul to ERDF, which reduced costs and environmental impacts associated with construction of a container transfer area.

Base

CTD Schedule Performance: (-\$1.5M/-4.2%)

The negative schedule variance is due to the delayed start of the Cell 30 design. A decision by RL and the Regulators is expected in January as to a plausible disposition path forward for Cell 30.

CTD Cost Performance: (+\$3.7M/+11.2%)

The favorable cost variance is associated with recognized efficiencies for demolition of the Industrial 7 Project as a result of utilization of existing site equipment and materials; surveillance and maintenance costs less than expected; delay in placement of subcontract for Cell 30 design (expect decision from RL and Regulators on path forward mid January), and under-run in G&A and Direct Distributable allocations.

Contract Performance Report Formats are provided in Appendix A and Appendix A-1.

Funds vs. Spend Forecast (\$M)

FY 2010			
WBS 040/RL-0040 Nuclear Facility D&D	Projected Funding	Spending Forecast	Variance
ARRA	161.0	140.6	20.4
Base	<u>28.7</u>	<u>20.8</u>	<u>7.9</u>
Total	189.7	161.4	28.3

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Projected Funding includes FY 2009 uncosted and FY 2010 expected new Budget Authority (BA), including an increase of \$20.4M of ARRA funding per BCR R40-09-002 BC Control Area (UPR-200-83) Zone A and B Remediation Rev. 1.

Critical Path Schedule

Critical path analysis can be provided upon request.

Estimate at Completion (EAC)

The BAC and EAC now include FY 2009 through FY 2018, the PRC contract period.

Baseline Change Requests

See Overview.

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

The Section H. clause entitled, "Self-Performed Work," is addressed in the Monthly Report Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.