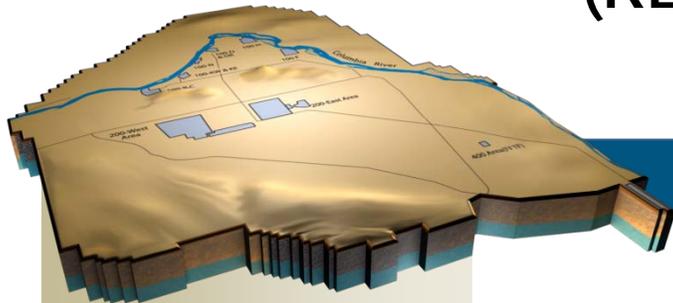


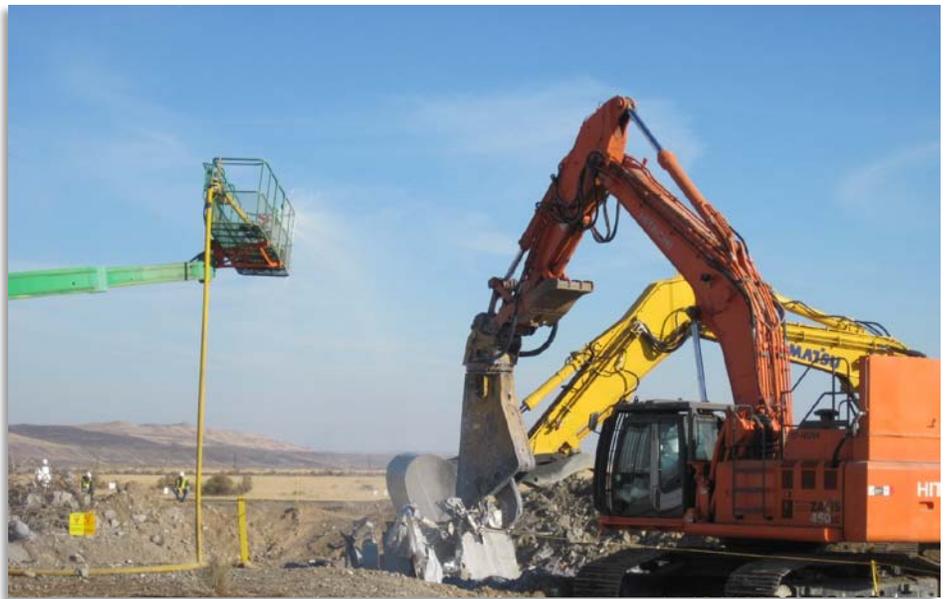
Section E Nuclear Facility D&D, Remainder of Hanford (RL-0040)



Monthly Performance Report

K. L. Kehler
Vice President and
Project Manager
D&D Project

D. L. Foss
Vice President and
Project Manger
Soil and Groundwater
Remediation Project



212R filter demolition

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Contract DE-AC06-08RL14788
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.

CW-3 Waste Sites characterization reports were completed and sent to RL.

Demolition of 212N was completed. Demolition of 212R and 212P is continuing.

Mobilization of trailers and equipment has begun in preparation for the Arid Land Ecology (ALE) Reserve D&D.

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

Results of the BC Control Area (BCCA) aerial contamination survey will be mapped and used to refine cleanup requirements by mid-November. Remediation was initiated for the BCCA using super dump trucks; six acres have been radiologically down posted.

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. A work package has been written and is in the approval process to replace the bearing.

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	3	3	<p>10/12/09 - D&D worker complained of a sore left shoulder while installing a tarp on ERDF containers. The worker was taken to AMH for evaluation, and was later returned to work without restriction. (20512)</p> <p>10/07/09 - Employee leaving office descending metal stairs. Foot slipped on step landing on bottom step causing employee to stumble forward then falling to the ground. Employee felt some discomfort in abdominal area. Taken to AMH then returned to work without restriction. (20509)</p> <p>10/15/09 - Employee feeding electrical cord to trailer. Scrapped right arm on fender well of trailer causing minor scratch. (20515)</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.
- 212N/P/R Buildings D&D
 - Completed demolition of 212N.
 - Continued demolition of 212R and 212P.
- 200-CW-3 Waste Sites Sampling
 - Statement of work for the first Remove, Treat and Dispose (RTD) site has been prepared.
- ALE D&D
 - Continued placement of support trailers.
 - Continued waste characterization and Cold and Dark activities.
 - Began mobilization activities to support D&D activities.

- BCCA Waste Site Remediation
 - The mobilization for the BCCA excavation started in August and is in process concurrent with the start of remediation.
 - Remediation using “super dump” trucks was initiated with approximately 3,600 tons of soil removed and transferred to ERDF.
 - The radiological helicopter survey was completed. Results are anticipated by mid-November.
- Model Group 1 (MG-1)
 - The response Action Completion Report (RACR) for 200-E-110 and 600-21 is in CHPRC review.
 - Analysis of sampling data for 600-36 is complete indicating RTD is required.
 - Analysis of sampling data for 600-41 indicates RTD is not required.
 - The Removal Action Work Plan (RAWP) review continues in regulator arena. Forecast date for review by regulator may impact start of RTD activities.
 - The Action Memorandum for the remaining 23 sites has been prepared and will be transmitted to DOE for initial review.
 - Continued Baseline Hazard Assessment of East Power House building 284E.

Base

- U Canyon Cell 30
 - Packaged samples taken from Tank D-10 shipped to lab for analysis, and characterization report issued.
- S&M
 - Continued job site preparations for the B Plant HEPA and pre-filter change out.
 - Continued B Plant annual fan maintenance.

MAJOR ISSUES

Nuclear Facility D&D, Remainder of Hanford

Issue Statement - The progress of the demolition of 212-P and 212-R is being impacted by the lack of ERDF containers being delivered to the project. Due to other higher site priorities, ERDF is not able to produce the necessary containers for the project.

Corrective Action - Additional ERDF containers will be purchased and the use of overtime by both ERDF and the Project will be necessary to finish the demolition by the middle of November.

Status - Additional ERDF containers were purchased, CHPRC ready to serve shipping was implemented, and overtime utilized. Demolition and loadout of 212N, P&R are complete. This is the last report on this issue.

Outer Zone Waste Site Remediation

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 DOE-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. CHPRC is preparing a business case to self perform equipment procurement.

Status - This is the first report on this issue.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
 New Risk

 Working - No Concerns
 Working - Concern
 Working - Critical
 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSR-006: RL 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			No issues at this time. Sampling results support planned disposition path, subject to RL and regulator agreement.
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.	RL Risk.			Water in 212-N/-P/-R pits was pumped out, and sludge was stabilized which allowed demolition of 212-N and -R to begin.
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	8.7	9.2	4.7	0.5	5.6	4.5	49.2	295.1
Base	<u>1.7</u>	<u>1.1</u>	<u>1.4</u>	<u>(0.7)</u>	-39.2	<u>(0.3)</u>	-31.0	<u>955.3</u>
Total	10.4	10.2	6.1	(0.2)	-1.9	4.2	40.9	1,250.4

Numbers are rounded to the nearest \$0.1M.

ARRA

CM Schedule Performance: (+\$0.5M/+5.6%) The positive schedule variance is due to the following: Positive schedule variance in U-Plant/Other (\$1.8M) is attributed to the arrival of two compact wheel loaders originally scheduled for September delivery and for receipt of two water trucks that were received in September for which credit was not taken. Offset by the negative schedule variance in Outer Zone (-\$1.3M) is primarily due to 1) delays in starting remediation of waste site 216-N-1 as a result of changing processes for release of work to Fluor Federal Services construction forces for which the Task Charging Authorization has been issued and field work is expected to be initiated in November, and 2) the rate of progress on BC Control Area due to the limited number of super dump trucks (three), weather, and initial adjustments being made in contractor and ERDF processes.

CM Cost Performance: (+\$4.5M/+49.2%)

The favorable cost variance is due to several areas: Cost of several D&D Capital Equipment procurements are well below the planned budget, U Canyon mobilization and canyon deck are still under staffed although good process is being made, ERDF and sample analysis billings for O-Zone Waste Sites have been delayed, and both Cold and Dark and WIF are well below their planned budget.

Base**CM Schedule Performance: (-\$0.7M/-39.2%)**

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

CM Cost Performance: (-\$0.3M/-31%)

The favorable 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	61.7	59.6	43.6	(2.1)	-3.4	16.0	26.9	295.1
Base	<u>32.7</u>	<u>32.0</u>	<u>28.1</u>	<u>(0.7)</u>	-2.1	<u>3.9</u>	12.2	<u>955.3</u>
Total	94.4	91.6	71.7	(2.8)	-3.0	20.0	21.8	1,250.4

Numbers are rounded to the nearest \$0.1M.

ARRA

CTD Schedule Performance: (-\$2.1M/-3.4%) is within reporting thresholds.

The negative schedule variance in being caused by delays at 212N, 212P and 212R are a result of significant increases in the basin floor thickness that has required additional ERDF cans. ERDF has not been able to produce the necessary containers to support the project in a timely manner; slower than planned ramp-up of personnel for the U-Canyon Project which caused mobilization and ramp-up activities to fall behind; slow start up at the BC Control area remediation and 216-N-1 Waste Site; partially offset by the early procurement of D&D capital equipment.

CTD Cost Performance: (+\$16M/+26.9%)

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.

Base

CTD Schedule Performance: (-\$2.1M/-3.9%)

The schedule variance is within reporting thresholds.

CTD Cost Performance: (+\$3.9M/+12.2%)

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; recognized costs for capital equipment procurements are less than expected; delay in placement of subcontract for Cell 30 design (expect decision from RL and Regulators on path forward by November 30), 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	162.0	133.9	28.1
Base	<u>28.7</u>	<u>20.1</u>	<u>8.6</u>
Total	190.7	154.0	36.7

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 \$19.1M 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.