



River Corridor Closure Project

Recovery Act Weekly Report

September 22, 2009

Contract DE-AC06-05RL14655

Protecting the Columbia River

Overview

Background Summary of Projects that Washington Closure Hanford (WCH) will accomplish using ARRA funds (Pending definitization of scope and contract modifications).

A. The Environmental Remediation Disposal Facility (ERDF)

ERDF is the hub of the WCH contract and Other Hanford Contractors (OHC). Wastes collected from sites around the Hanford complex are brought to ERDF for treatment and disposal. WCH operates the ERDF and is currently using ARRA funds to upgrade and expand its capabilities to meet the needs of Hanford's accelerating mission. This report will provide written and visual evidence, weekly, of this expansion as it happens.

B. The 618-10 Burial Grounds

Long regarded as one of Hanford's worst waste sites are the trenches in 618-10. Using ARRA funds, WCH will characterize the site. Intrusive and non-intrusive techniques will be used, and the subsequent analysis of data will enable the project to pursue remediation of the site safely and effectively.

C. The 618-11 Burial Grounds

Along with 618-10 the 618-11 burial grounds are among the biggest challenges faced by WCH using ARRA funds. The 618-11 characterization work will require special care because of its proximity to the Energy Northwest Generating Facility, north of the 300 Area.

D. Remediation of failed Orphan Sites

WCH is employing ARRA funds to clean up many failed Orphan Sites not originally part of its contract. Sites in the 100-F and IU 2&6 segments 1&2 are proposed for waste site remediation in the two year period starting in October 2009.

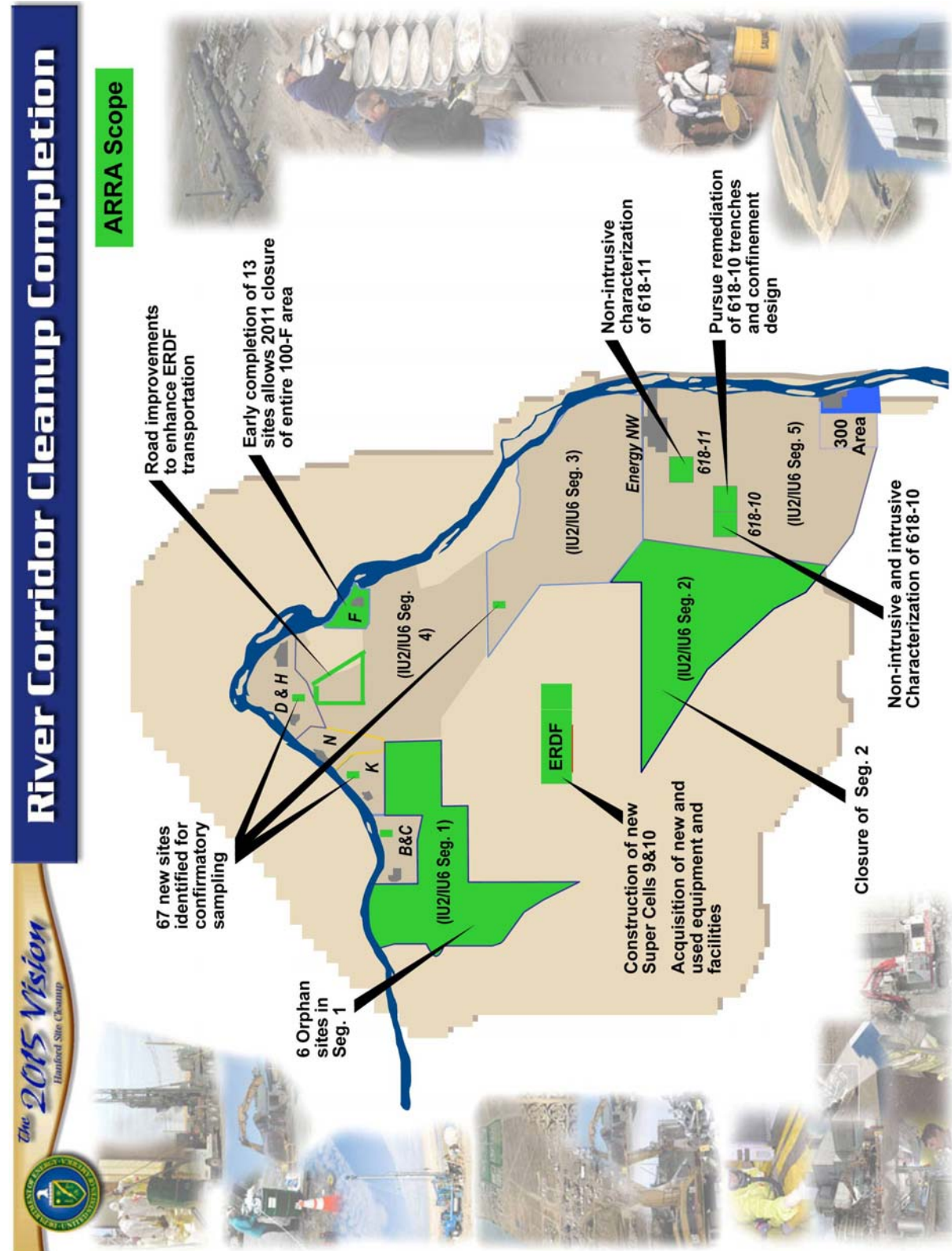
E. Confirmatory Sampling of other new sites

WCH is proposing to complete the early sampling process of 67 potential waste sites using ARRA funds.

The following figure illustrates the overall scope of WCH's ARRA projects.



Overview (Continued)



Safety

Safety Accomplishments

WCH has safely worked over 43,000 hours of ARRA scope, with no safety incidents as of September 20, 2009.

Hazard Reductions

WCH's Safety Ownership Program (SOP) was launched as a tool for the RCC project to focus on safety values. Safe work principles are organized under four SOP tenets:

Tenet 1: Follow the Instruction

Tenet 2: Ask the Question

Tenet 3: Fix it Now

Tenet 4: Own the Result.

Last week WCH continued awareness activities for the third SOP Tenet; *Fix it Now*. This Tenet focuses attention on the importance of addressing issues and problems raised by the workers as they arise. Last week's focus was on Guiding Principles 1, Raise the Issue. This principle stresses to workers the importance of recognizing that something is amiss and letting people know about now as opposed to later.

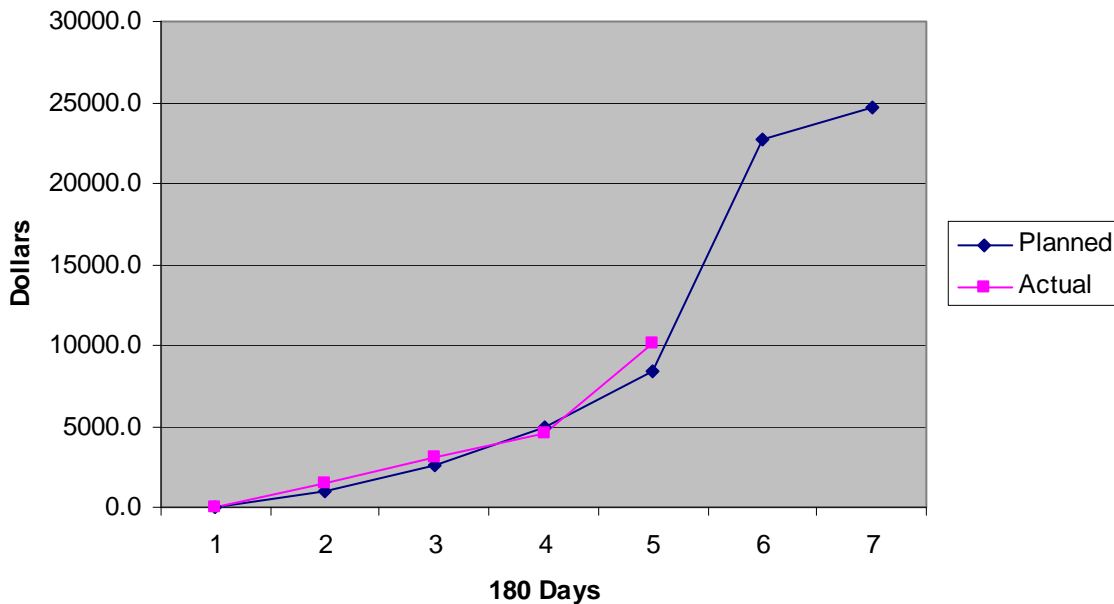


Cost

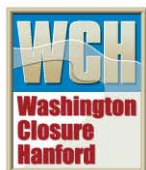
**180 Day Work Plan
Monthly Estimated Cost Plan Summary (K) Cumulative
Actuals as of August 23, 2009**

WBS	Scope		Apr 8th	May	Jun	Jul	Aug	Sep	Oct 8th
1.03.14.75.25-27	618-10 NIC/TRP	Planned	0.0	123.8	258.4	475.0	778.2	1466.6	1636.8
		Actual	0.0	392.4	648.1	1057.6	1873.4		
		Planned %			16%	29%	48%		
		Actual %			40%	65%	114%		
1.04.01.01.31	Super Cells 9&10 Construction	Planned	0.0	252.9	609.0	1498.1	2505.6	11582.5	12028.1
		Actual	0.0	753.9	1236.6	1633.8	3049.4		
		Planned %			5%	12%	21%		
		Actual %			10%	14%	25%		
1.04.01.01.37	ERDF Equipment Upgrades	Planned	0.0	0.0	0.0	0.0	0.0	1069.5	1515.1
		Actual	0.0	0.0	0.0	29.5	1909.7		
		Planned %			0%	0%	0%		
		Actual %			0%	2%	126%		
1.04.01.01.3B	ERDF Facility Upgrades	Planned	0.0	0.0	929.2	2191.0	4326.0	7774.7	8637.0
		Actual	0.0	0.0	509.8	861.0	2150.1		
		Planned %			11%	25%	50%		
		Actual %			6%	10%	25%		
1.06.01.01.02	Mission/General Support	Planned	40.3	571.5	766.7	778.7	791.5	809.1	813.5
		Actual	40.3	351.5	739.4	958.8	1141.1		
		Planned %			94%	96%	97%		
		Actual %			91%	118%	140%		
180 Day Work Plan	Total	Planned	40.3	948.2	2563.3	4942.8	8401.3	22702.4	24630.5
		Actual	40.3	1497.8	3133.9	4540.7	10123.6		
		Planned %			10%	20%	34%		
		Actual %			13%	18%	41%		

180 Day Work Plan (Planned vs Actual) Cumulative



WCH will report CPI and SPI at 1.00 until a contract modification approving the ARRA baseline is received and reconciled to the current baseline.



ERDF

Super Cells 9 and 10 Construction

Excavation of super cell 9 continues. To date, the subcontractor has excavated 307,471 cubic yards of the estimated 1.5 million.

Installation of the new fence continues.



Crews excavate soil for the next disposal area at Hanford's Environmental Restoration Disposal Facility. The 70-ft deep cell is needed for accelerated waste remediation.

Facility and Equipment Upgrades

The first three of 20 trucks arrived this week from the vendor, Peters & Keats of Lewiston, Idaho. The trucks will be used to haul other Hanford contractors' and WCH waste containers into the landfill.

ERDF (Continued)



The Environmental Restoration Disposal Facility is receiving new trucks for transporting increasing volumes of contaminated waste from WCH and other Hanford contractors.

Work continues on the new scale. The first of several concrete pours occurred this week. The new scale will support an estimated 100 plus waste shipments per day from Hanford's Plateau Remediation Contractor.

ERDF (Continued)



Workers prepare concrete forms for a new scale to support waste shipments into ERDF.

Work continues on electrical installation at the new access road to ERDF. Workers also are placing the gravel subgrade in preparation for paving. The new access road will help improve traffic safety at the facility.

Upcoming Activities

- Continue excavation of super cell 9.
- Continue fence installation.
- The first of 150 new waste containers begin arriving.
- Work on the scale continues.
- Paving of the new access road begins.

Video

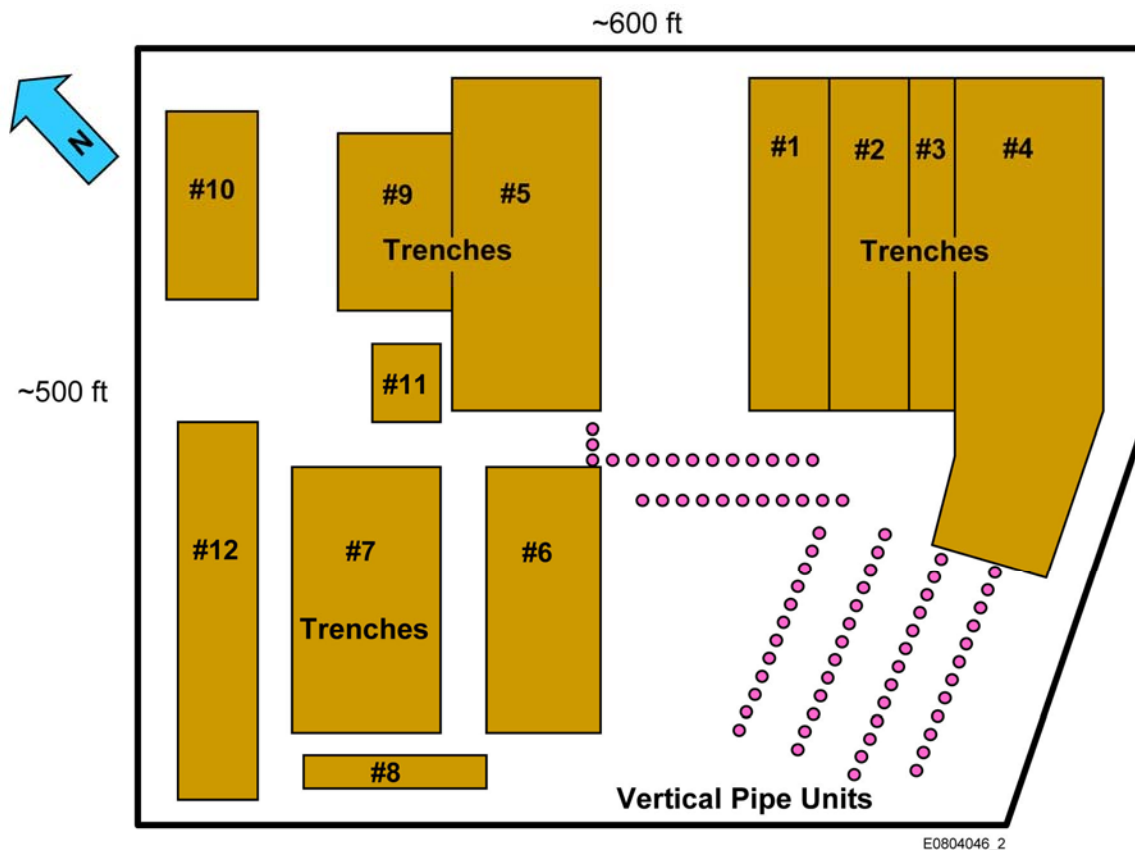
[**Click here to view the video showing excavation of super cell 9 and concrete work for new scale installation.**](#)

618-10 Burial Ground

618-10 Non-Intrusive Characterization/Trench Remediation Project

The 618-10 project staff continue to review subcontractor plans for characterizing the high hazard remediation project. Activities include:

- Review and approval of the technical procedures in support of radiological characterization activities.
- Support equipment and facilities continue to be staged and installed at the work site.
- Cone penetrometer piping and fittings have been received.
- Mock-up planning for future cone penetrometer installation activities is underway.
- Project start-up review activities continue in support of radiological characterization of the vertical pipe units and trenches.



The 618-10 Burial Ground stores highly radioactive materials from Hanford's former research laboratories and fuel development facilities.

618-10 Burial Ground (Continued)



Startup work continues at the 618-10 Burial Ground worksite, including installation of the project office trailer.

Additional records research activities continue to supplement records obtained during the early design preparations for remediation of the site.

Upcoming Activities

- Continue review and approval of subcontractor submittals.
- Continue work site mobilization activities.
- Continue record research activities.
- Conduct cone penetrometer mockup.
- Continue radiological characterization project startup review activities.

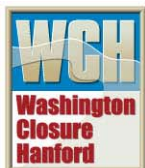
Mission Support/General Support

Accomplishments

- WCH submitted a draft of WCH-355 Phase II Technical and Cost Proposal to DOE-RL.
- WCH continued work on finalizing the Vision 2015 Roadmap and incorporating it into FY10 and FY11 Contractor Performance Planning to support DOE's goal of reducing the site clean-up footprint.

Upcoming Events

- Submit the WCH-355 ARRA Phase II Technical (Volume 1) and Cost (Volume 2) Proposal and support DOE in completing the ARRA contract-modification negotiations by the end of September.
- Continue to work on finalizing the Vision 2015 Roadmap for planned issuance October 2009.



General

Job Fairs

WCH, in partnership with URS and Washington Division of URS, attended the Fall Career Fair at Colorado School of Mines (CSM) on September 15, 2009, in Golden, Colorado. This supports the WCH fall campaign to recruit at colleges, universities, and professional associations, including military, in the Pacific Northwest and other western states.

Refer to the EM Recovery Act Jobs Data Call spreadsheet for Jobs Creation/Saved as of September 11, 2009.

Hiring Actions

Jobs Created as of 9-11-09

	Subcontractors	ROS	WCH	Total
Weekly	8	0	0	8
Total To Date	114	8	20	142

Subcontractor and ROS reflect total people working on ARRA and are not expressed in full-time equivalents (FTEs). Refer to the weekly EM Recovery Act Jobs Data Call spreadsheet for detailed report of Jobs Creation/Saved as of September 11, 2009.

Mentoring/Training

No significant mentoring activities this week.

Media, Visits, Press Releases

Pending reviews and approval from DOE, a media event is scheduled for the week of September 21 regarding the expansion and upgrades of the Environmental Restoration Disposal Facility.

Contracting Actions

- Awarded contract for 300 turnbuckles (side winders).
- Received bids for three Atlas Copco air compressors.
- Procurement of two light plants was put out for bid.

