



River Corridor Closure Project

Recovery Act Weekly Report

October 20, 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 scope of work and supports a major portion of other Hanford Contractor (OHC) waste disposal. 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.

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. Waste Site Remediation

WCH is employing ARRA funds to clean up many failed waste 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 66 potential waste sites using ARRA funds.

This report will provide evidence, weekly, of these activities as they occur in support of ARRA.

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



Safety

Safety Accomplishments

As of September 30, 2009, WCH and its subcontractors have safely worked over 66,000 hours of ARRA scope. Through October 18, 2009, there have been no safety incidents.

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 for all work, including ARRA, 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.

WCH continued awareness activities for the third SOP Tenet; *Fix it Now*. Over the past few weeks, WCH has been discussing the importance of identifying and reporting issues, of fully understanding them before taking action, and being part of the solution. The focus this week continues on Guiding Principle 4 – “Make It Right Before Proceeding.” While the temptation may be strong to develop work-arounds in order to move forward with a task in spite of issues, problems need to be fixed before proceeding with the work. Special attention this week is assuring that work documents are correct, up to date, and contain only the necessary process steps. Workers are coached that “Making It Right Before Proceeding” will improve our Conduct of Operations (CONOPS) performance and improve our work documents.

Contract CLIN4 (ARRA) Status

Contract Mod #	Date	Scope	Obligated (\$M) (Inception to Date)	Not to Exceed (\$M) (Inception to Date)
099	4/9/09	ERDF Cell Expansion & Upgrades; 618-10 NIC	\$203.0	\$28.0
105	4/30/09	ERDF Cell Expansion & Upgrades; 618-10 NIC	\$203.0	\$44.5
126	7/23/09	H.37 Clause - Reporting Requirements	N/A	N/A
139	9/3/09	ERDF Cell Expansion & Upgrades; 618-10 NIC	\$253.6	\$44.5
142	9/30/09	ERDF Cell Expansion & Upgrades; 618-10 NIC; Road Upgrades; Remediation of Orphan Sites	\$253.6	\$123.8



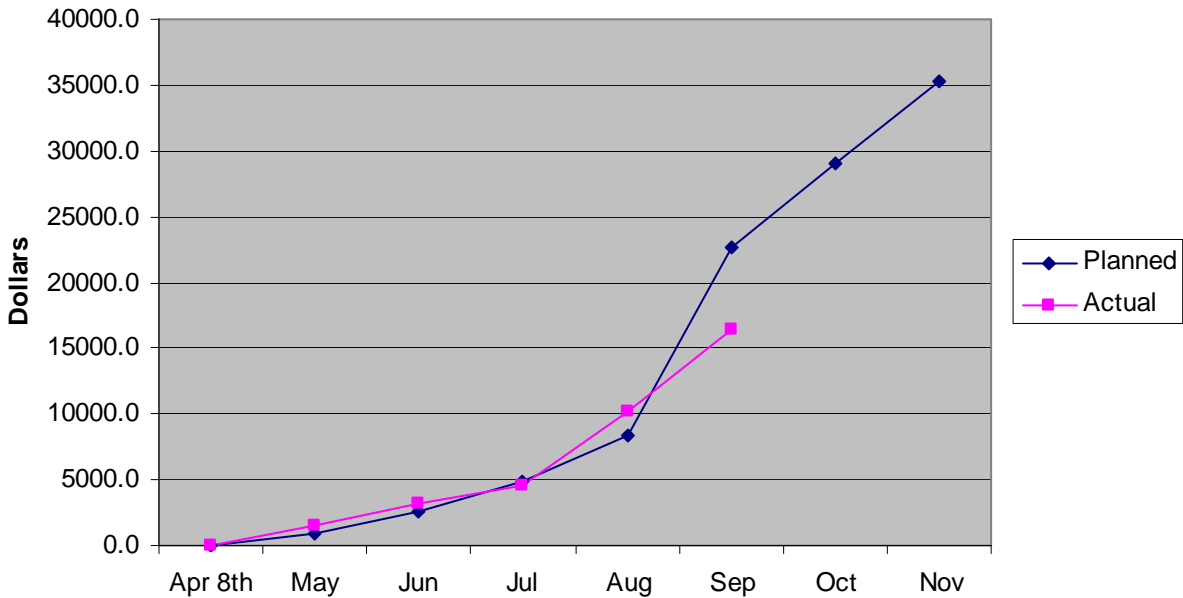
Cost

180 Day Work Plan plus 60 Day Forecast
Monthly Estimated Cost Plan Summary (K) Cumulative

WBS	Scope		180 Work Plan						← 60 Day F/C →	
			Apr 8th	May	Jun	Jul	Aug	Sep	Oct	Nov
1.03.14.75.25-27	618-10 NIC/TRP	Planned	0.0	123.8	258.4	475.0	778.2	1466.6	3241.6	4941.6
		Actual	0.0	392.4	648.1	1058.1	1873.9	2913.5		
		Planned %			5%	10%	16%	30%	66%	100%
		Actual %			13%	21%	38%	59%		
	100-F	Planned						0.0	75.0	150.0
		Actual						0.0		
		Planned %								
		Actual %								
	Confirmatory Sampling	Planned						0.0	69.9	166.7
		Actual						0.0		
		Planned %								
		Actual %								
1.04.01.01.3x	ERDF Cell Expansion/Upgrades	Planned	0.0	252.9	1538.2	3689.1	6831.6	20426.7	24748.4	29041.5
		Actual	0.0	753.9	1746.4	2524.8	7109.2	12197.6		
		Planned %			5%	13%	24%	70%		
		Actual %			6%	9%	24%	42%		
1.06.01.01.02	Mission/General Support	Planned	40.3	571.5	766.7	778.7	791.5	809.1	907.1	1018.7
		Actual	40.3	351.5	739.4	958.4	1140.7	1363.8		
		Planned %			75%	76%	78%	79%		
		Actual %			73%	94%	112%	134%		
Forecast	Total	Planned	40.3	948.2	2563.3	4942.8	8401.3	22702.4	29042.0	35318.5
		Actual	40.3	1497.8	3133.9	4541.3	10123.8	16474.9		
		Planned %			7%	14%	24%	64%		
		Actual %			9%	13%	29%	47%		

* Not to Exceed = \$123.8m

240 Day Spend Plan
(180 Day Work Plan plus 60 Day Forecast)



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



ERDF

Super Cells 9 and 10 Construction

Under contract to WCH, DelHur Industries has excavated 845,241 cubic yards of material for super cell 9 of the estimated 1.7 million cubic yards (this includes 263,913 cubic yards of stockpile removal), nearly one-half of the amount required.

Installation of the boundary fence for super cells 9 and 10 is continuing and will be completed in mid-November.

Facility and Equipment Upgrades

U.S. Department of Energy, Hanford Site Manager Dave Brockman and Deputy Manager Doug Shoop toured the Environmental Restoration Disposal Facility to view progress on facility upgrades and new cell construction. WCH President Neil Brosee and Waste Operations Director Bruce Covert hosted the visit and highlighted activities that led to the recently met milestone of making the facility “ready to serve” for other Hanford contractors’ increased waste volumes. The effort was geared at accommodating up to 160 waste containers a day by October 1 for the CH2M Hill Plateau Remediation Co.



ERDF (Continued)



Installation of the new scale at ERDF nears completion.

This week WCH awarded a subcontract to local Richland firm George A. Grant Inc. to pave the back road into ERDF. The work will be completed by mid-November and will significantly improve traffic flow and safety on the road, which has come under much higher use with truck & pups, super dumps, construction traffic, and disposal of other Hanford contractor waste material.

ERDF (Continued)

Upcoming Activities

- Work on the scale will continue, with placing of the scale on the concrete pads.
- Pre-construction meeting with new contractor paving the back road.
- Issue purchase order for new water truck.
- Continue excavation of super cell 9.
- Continue fence installation.



Excavation workers continue to make excellent progress on super cell 9 at the Environmental Restoration Disposal Facility.

Video

[Click here to view the video showing scale installation and super cell 9 excavation at ERDF.](#)

618-10 Burial Ground

618-10 Non-Intrusive Characterization/Trench Remediation Project

Mobilization was completed this week for start-up of the nonintrusive radiological characterization of the trenches and vertical pipe units (VPUs) at the 618-10 Burial Ground.

The project start-up review was held and several pre-start items were identified to be completed before insertion of the cone penetrometers begins in the burial ground trenches toward the end of October.

Materials and equipment have already been staged at the project site so that work can proceed immediately upon completion of start-up and safety reviews.

Upcoming Activities

- Conduct a demonstration to verify geophysical identification of VPU center-points.
- Complete radiological characterization project startup review activities.
- Begin installation of cone penetrometers.
- Conduct value engineering to determine if a confinement structure is needed to support intrusive characterization or remediation of the trenches or VPUs.



100-F Area

Preparations to begin cleanup work at F Area are in the beginning stages. Work continues on the integrated hazards evaluation historical, cultural, and ecological evaluation of the site; review of records to better determine what might have been disposed at the site; and calculation of potential waste volumes to be excavated at each site.

All of that work will provide technical data for input into the design of the remediation which will be used to prepare a request for proposals (RFPs). In the spring of 2010, a RFP will be issued soliciting bids from companies to clean up the 12 sites. The selected subcontractor should be ready to begin site cleanup by fall 2010.

IU 2 & 6 Segment 1

Preparations are being made to remediate IU 2 & 6 segment 1 sites similar to those for F Area. This week, work included historical document research and conducting the cultural and ecological reviews.

The sites here are smaller than those found at F Area and contain mostly surface debris that must be removed and transported to an approved disposal facility. Like F Area, the first piece of work to be done is to obtain the technical data and design the remediation strategy. The strategy for this overall effort is to utilize the onsite capabilities of an existing subcontractor who will be tasked with remediating the sites beginning in March 2010. Full remediation, including transportation and disposal of excavated waste, sampling and waste site closeout documentation, backfill, and revegetation is to be completed by February 2011.



Confirmatory Sampling

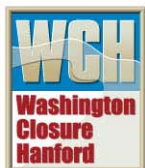
Initial planning is underway for confirmatory sampling of 66 sites located along the Columbia River corridor. This week, the project manager assembled the team and held a kick-off meeting to begin making assignments. Work underway includes developing a scope of work to be included in an upcoming request for proposals (RFPs) for a subcontractor to do the excavation and sampling.

Also underway is development of individual site sampling plans, which includes conducting historical research and consulting regulatory documents, developing a list of contaminants of potential concern to be sampled, and determining potential sample locations for review by the U.S. Department of Energy and Hanford Site regulators.

Some sites were used as burn pits and tar dumps, others were used to store batteries or are suspected of housing dichromate facilities, and for other sites it is not clear what they might contain, which is why sampling is required.

In early 2010, WCH will issue a request for proposals for a company to provide excavation and sampling for the 66 sites. Those sites that pass the confirmatory sampling process will be closed out and no further action will be required. The sites that fail will be scheduled for future clean-up to meet regulatory standards.

Sampling of the sites is expected to begin in spring 2010.



Mission Support/General Support

Accomplishments

- The WCH FY10 and FY11 Contractor Performance Plan (CPP) with the 2015 Vision Roadmap is being readied for internal management reviews.
- WCH issued proposed ARRA performance metrics to DOE-RL.
- WCH supported the review and comment period for the Recovery Act Quarterly Report.

Upcoming Events

- Support OIG Audit of the Department of Energy's Prime Recipients' Accounting and Reporting for the American Recovery and Reinvestment Act.
- Support DOE independent reviews ARRA Phase II Technical and Cost Proposal (WCH-355).
- Continue to work on finalizing the Vision 2015 Roadmap for planned issuance October 2009.



General

Job Fairs

Refer to the weekly EM Recovery Act Jobs Data Call spreadsheet as of October 9, 2009

Hiring Actions

Jobs Created as of 10-9-09

	Subcontractors	ROS	WCH	Total
Weekly	4	0	1	5
Total To Date	132	8	165	305

Jobs created represent new lives touched by 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 October 9, 2009.

Mentoring/Training

No significant activities this week.

Media, Visits, Press Releases

A potential Tri-City Herald newspaper interview with WCH staff this week about completion of upgrades at the Environmental Restoration Disposal Facility to accommodate up to 160 additional waste shipments per day by other Hanford contractors.

Procurement Actions

- Awarded contract on October 15 for ERDF access road paving.
- Pre-bid meeting held October 15 for ERDF super cell 9 and 10 construction.
- Washington Closure Hanford has awarded a new contract to Super Sheds, LLC. for constructing a support structure at the Environmental Restoration Disposal Facility's new scale which weighs contaminated soil delivered to the facility.

