Issue 10

River Corridor Closure Project

Recovery Act Weekly Report

October 27, 2009

Contract DE-AC06-05RL14655

Protecting the Columbia River

E0908027

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.

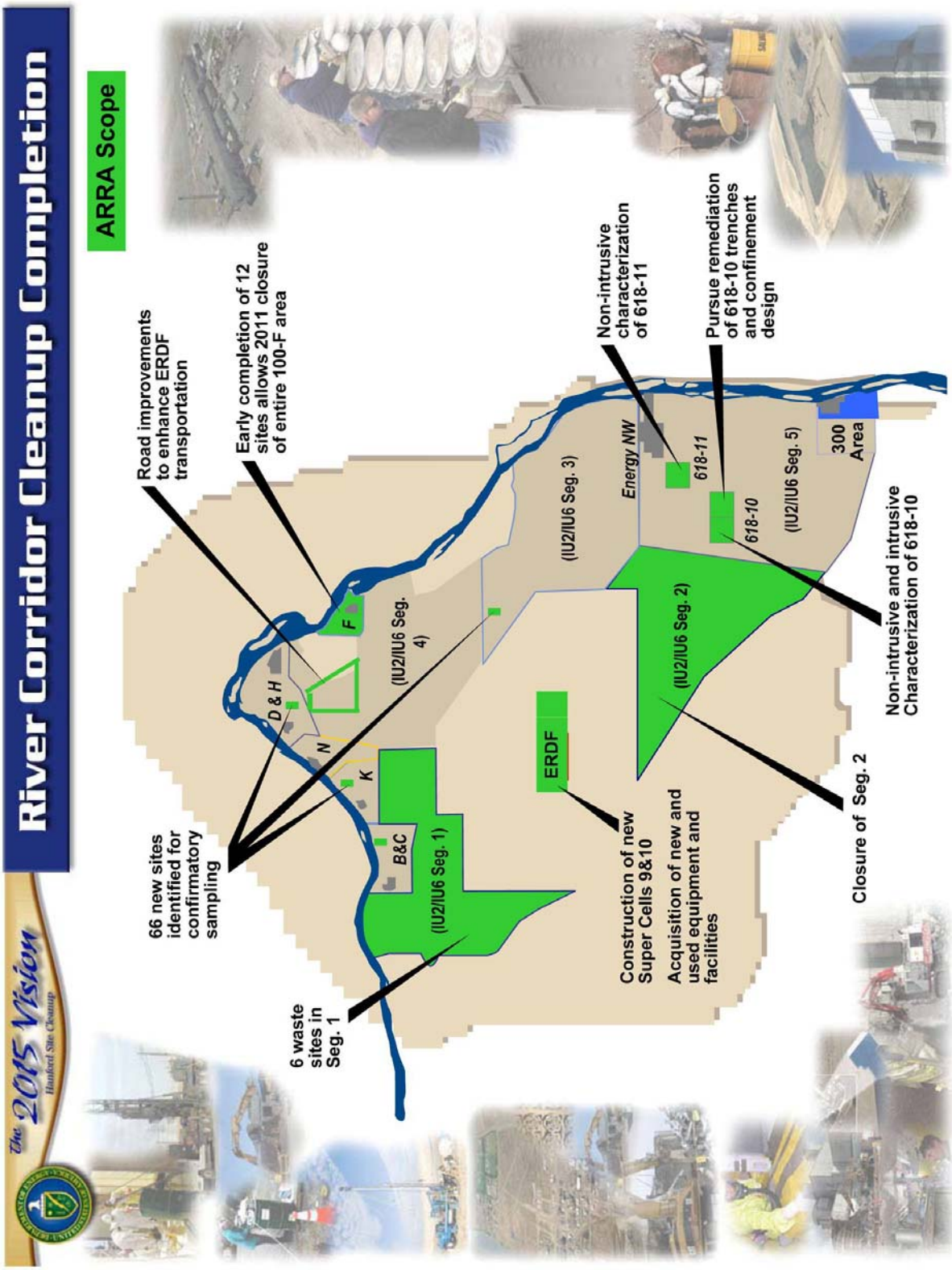
E. Confirmatory Sampling of other new sites

   WCH is proposing to complete the early sampling process of 66 potential waste sites using ARRA funds.

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

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

Overview (Continued)



Safety

Safety Accomplishments
As of September 30, 2009, WCH and its subcontractors have safely worked over 66,000 hours of ARRA scope. Through October 25, 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.

Last week, WCH introduced the fourth and last SOP Tenet, *Own the Result*. This Tenet focuses attention on the importance of taking ownership of not only the good work performed by WCH workers, but also the processes/procedures under which WCH performs the work. The Guiding Principles that support *Own the Result* are:

1. The instructions are yours
2. You control the outcome
3. Others count on you
4. You can make it better.

Like the previous Tenets, Tenet 4 will feature a weekly focus on one of the Guiding Principles and two 3-week activities, the first of which kicked off last week with an exercise designed to expose WCH workers to the WCH Job Hazard Analysis (JHA) process. The JHA is the centerpiece of WCH hazard identification and the control process for all non routine work; an absolutely critical element of safe work performance on the RCCC ARRA scope and base scope.

Contract CLIN 4 (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

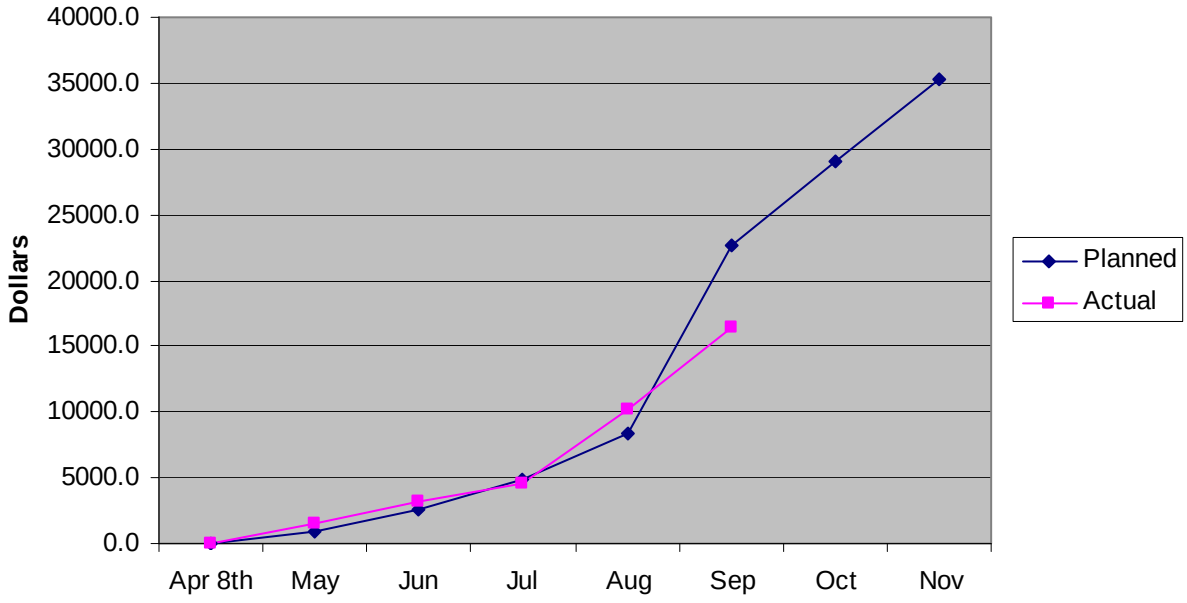
Cost

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

			← 180 Work Plan →						← 60 Day F/C →	
WBS	Scope		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 973,884 cubic yards of material for super cell 9 (this includes 263,913 cubic yards of stockpile removal), over one-half of the amount required.

Excavation of super cell 9 is planned to finish in January 2010 with the leachate system proposed for completion by 2011.

Installation of the boundary fence for super cells 9 and 10 is continuing and is expected to be completed in November.

Facility and Equipment Upgrades

- Tri-City Herald reporter Annette Cary interviewed Waste Operations Director Bruce Covert for a story highlighting completion of the October 1 milestone to have ERDF ready to accept up to 160 additional containers of waste a day from other Hanford contractors. The story is expected to be published the week of October 26.

- Waste Operations staff held a pre-construction meeting this week with Richland subcontractor George A. Grant Inc, which was awarded a subcontract last week to pave the

ERDF (Continued)

back road into ERDF. Grant plans to provide a schedule to complete the paving by November 20.

- The engineering staff are developing the scope of work and specifications necessary to issue in December a request for proposals to build an onsite vehicle refueling station at ERDF. The refueling station will service about 65 vehicles, ranging from passenger vehicles to tractor-trailers.

- A work order was placed for Hanford contractor Mission Support Alliance to make repairs to several Hanford Site roads traveled by ERDF haul trucks transporting radioactive and mixed waste for disposal at ERDF. Critical repairs will be made to keep the roads operational through winter, with more extensive repairs to be conducted next spring.

- Two more haul trucks were received, bringing the total received to eight of 20. Waste containers also continue arriving at a rate of three per day, with 62 of 150 received to date. The trucks are from Peters & Keats of Lewiston, Idaho, and containers are from Rule Steel of Caldwell, Idaho.

- The third scale, which is being installed on the back road into ERDF, is nearly complete. Light poles were installed this week and the apron on either side of the scale was paved. Installation of the reader board is expected next week.

ERDF (Continued)

Work began on the third scale in September (top). As of October 25 aprons had been added to the scale (bottom).

ERDF (Continued)

Upcoming Activities

- Continue excavation of super cell 9. Super cell 9 excavation will finish between December 2009 and January 2010.
- Complete fence installation.
- Award contract for excavation of super cell 10 and construction of liner and leachate collection system for super cells 9 and 10.
- Work on the scale will continue with installation of the reader board.

Video

Click here to view the video showing a demonstration of technology to locate the center point of buried vertical pipe units and excavation progress at ERDF super cell 9.

Profile

Hanford ARRA Work Benefits Entire Family

Charlie Skiba spent the past 16 months in "self-imposed semi-retirement" before he was hired in June as a senior construction subcontract engineer for WCH.

Charlie is part of the ERDF expansion team at Hanford. The expansion project is funded by the American Recovery and Reinvestment Act.

Before joining WCH, Charlie worked for a testing laboratory doing work at Hanford's vitrification plant. "Six months ago when I decided I needed to go back to work, I discovered that just about everything I wanted to do was out of the area."

Then, work opened up at WCH through ARRA-funded projects. It ended up working out in more ways than one for the Skiba family. "My wife worked out-of-state on another project and was also able to get a Recovery Act job with another Hanford contractor," he said.

"I love what I'm doing now. I'm gaining new skills that will make me more marketable in the future," said Charlie. "In addition, my wife has a job that is better suited to her interests and skills."

Charlie and his wife weren't the only ones in the family to benefit from ARRA. They still had one child at home – or rather in the apartment. That will change in mid-November when they will close on a new house and become homeowners.

Profile (Continued)

Charlie Skiba was hired in June as a senior construction subcontract engineer at Washington Closure Hanford after spending the past 16 months in "self-imposed semi-retirement." He is working on a project to expand the Environmental Restoration Disposal Facility.

618-10 Burial Ground

618-10 Non-Intrusive Characterization/Trench Remediation Project
Sage Earth Science of Idaho Falls, Idaho, conducted a demonstration this week to verify geophysical identification of the center points for the vertical pipe units (VPUs). Data analysis and report preparation are underway.

The demonstration was conducted as part of the project startup review and is a necessary in support of VPU cone penetrometer installation activities.

The cone penetrometers are steel tubes in which instruments will be inserted to determine the type, amount, and distribution of radioactive materials within the VPUs. The demonstration was one of the final open items remaining on the project startup review checklist, paving the way for VPU insertion to start in December.

Work procedures are being updated and the job hazard analysis is being revised in preparation for start of the cone penetrometers insertion into the 618-10 trenches next week.

Upcoming Activities

- Complete radiological characterization project startup review activities for cone penetrometers installation activities.

- Begin installation of cone penetrometers in the trenches.

100-F Area

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

All of the above work will provide technical data for input into the design of the remediation that will be used to prepare a request for proposals (RFP). In the spring of 2010, an 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

Similar preparations are being made to remediate IU 2 & 6 segment 1 sites for F Area. Work continues on historical document research, including the cultural and ecological reviews.

Unlike F Area, the sites here are relatively small 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 input data and design the remediation strategy. The strategy for this overall effort is to utilize the onsite capabilities of an existing subcontractor who will begin remediation of the sites 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 along the river corridor. Some sites were used as burn pits and tar dumps while others were used to store batteries or are suspected of housing dichromate facilities. For others, it's not clear what they might contain, which is why sampling is required.

This week, the team began drafting sampling instructions for four of the waste sites; a french drain near the 105-D Reactor, a former spill of unknown nature, a former water tower valve pit, and a suspect underground fuel oil storage tank. Development of sampling instructions 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.

Work also continues on developing a scope of work and other procurement documentation. In early 2010, WCH will issue a request for proposals for a company to provide excavation and sampling support for the 66 sites. Those sites that pass the confirmatory sampling process will be closed out and no further action will be required under the existing interim record of decision. Those sites that fail will be scheduled for future cleanup to meet regulatory standards.

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

Mission Support/General Support

Accomplishments

- WCH completed the final submittal of the Recovery Act Quarterly Report.

- WCH completed a review of the FY10 and FY11 Contractor Performance Plan (CPP) with the 2015 Vision Roadmap. WCH began incorporating the Phase II ARRA scope into the 2015 Vision Roadmap.

- WCH continued to support ARRA Phase II Technical and Cost Proposal questions.

- WCH met with the Office of Inspector General Lead Auditor Oliver Wong and his team in support of the Department of Energy's Prime Recipients' Accounting and Reporting for the ARRA audit (A09RA015). WCH provided requested information and documents to the team.

Upcoming Events

- Continue the reconciliation of the performance measurement baseline to the executed Phase I contract modification.

- Complete responses to remaining questions from the DOE independent review of ARRA Phase II Technical and Cost Proposal.

- Continue to work on finalizing the Vision 2015 Roadmap, to include incorporation of Phase II ARRA proposal scope. Planned issuance moved to November 2009.

General

Job Fairs
Refer to the weekly EM Recovery Act Jobs Data Call spreadsheet as of October 16, 2009.

Hiring Actions

Jobs Created as of 10-16-09

	Subcontractors	ROS	WCH	Total
Weekly	2	0	6	8
Total To Date	134	8	171	313

Jobs saved/created represent 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 16, 2009.

Mentoring/Training
No significant activities this week.

Media, Visits, Press Releases
An article in the local newspaper is expected to be published soon on progress and readiness to receive increasing volumes of contaminated waste at the Environmental Restoration Disposal Facility.

Contracting Actions
No significant activities this week.