



River Corridor Closure Project

Recovery Act Weekly Report

September 8, 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 new Orphan Sites not originally part of its contract. Sites in the 100-F and IU 2&6 segments 1&2 will be the target for 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.



Safety

Safety Accomplishments

WCH continues work on the ARRA scope with no safety incidents through September 3, 2009.

Safe Hours Worked as of August 23, 2009

| <i>May</i> | <i>June</i> | <i>July</i> | <i>August</i> | <i>Total</i> |
|------------|-------------|-------------|---------------|---------------|
| 9,947 | 11,224 | 8,729 | 12,941 | 42,841 |

Hazard Reductions

WCH's Safety Ownership Program (SOP) was launched as a tool, promoting RCC employees and subcontractors to focus on safety values. Safe work principles are organized under four SOP tenets:

1. Follow the Instruction
2. Ask the Question
3. Fix it Now
4. Own the Result.

There will be four 6-week campaigns in which the SOP tenets will rotate as the focus for each campaign. During the campaigns staff will receive activities to support each focus. The second activity for Tenet 2 focused attention on the importance of maintaining a constantly questioning attitude when performing RCC clean up work. The Guiding Principles that support *Ask the Question* are:

1. Challenge Assumptions
2. What Could Go Wrong?
3. What Has Changed?
4. Stop If Not Sure
5. Ask For Help.

During this period, the RCC focus is on the last of the five Guiding Principles of Tenet 2 – *Ask for Help*. This principle focuses on encouraging and recognizing individuals for speaking up, asking questions, and getting help to create an environment where questions flow freely and potential hazards and problems are surfaced, discussed, and resolved before they become the cause of an event or injury. Everyone on the project is encouraged to help by asking questions early and often.

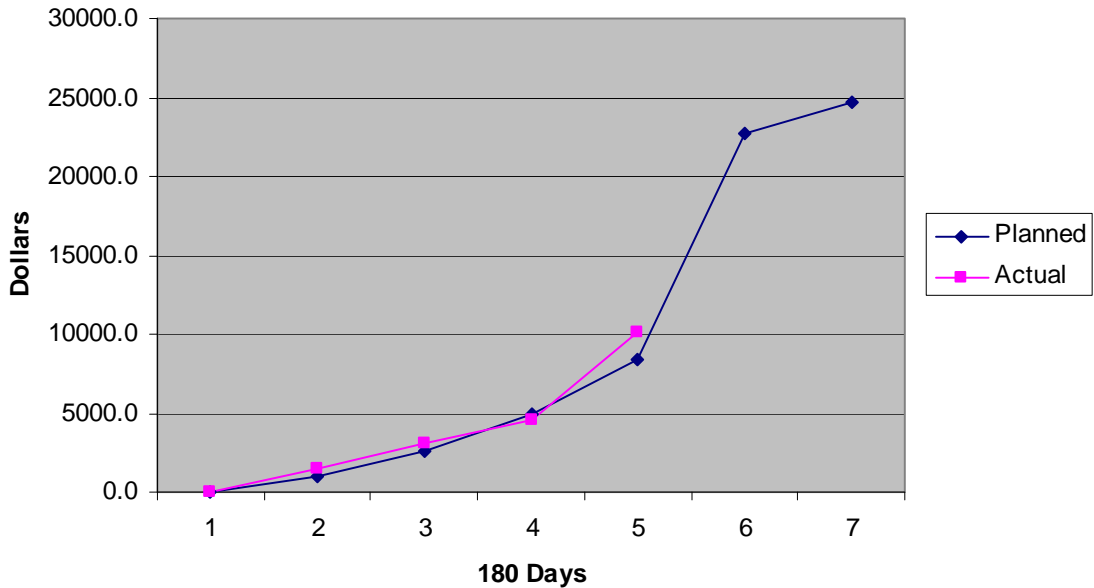


Cost

**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% | | |
| | | 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% | | |
| | | 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 nine continued last week. By week's end, DelHur had completed removal of almost 210,000 cubic yards.

American Fence began extending the boundary fence for ERDF to encompass new super cells nine and ten. BMWC Constructors completed extending the ERDF water line, which will provide water, primarily for dust control, for construction of the facility and, later, operations.

A new fence line borders the expanded ERDF facility.



Facility and Equipment Upgrades

Last week, the U.S. Department of Energy, Richland Operations Office authorized additional American Recovery and Reinvestment Act-funded work and procurements to be included in the 180-day plan for ERDF. Procurement authorizations included 14 shuttle trucks, 150 containers, 6 fully-equipped ramp shacks, 2 new/used dozers, buyout of leased waste treatment equipment, and paving of the 1.3-mile back entrance road into ERDF.

ERDF (Continued)

Workers distribute fill material excavated from super cell 9.



WCH also issued a notice to proceed with DelHur Industries installing a third scale that will be used to support waste disposal by other Hanford contractors under the ready-to-serve operation. Ready-to-serve is the term applied to the portion of ERDF facilities and operations that will be used to serve the waste disposal operations of other Hanford contractors, principally, the Plateau Remediation Contractor. The Plateau Remediation Contractor has forecast a fiscal year 2010 disposal rate of nearly 100 containers a day.

American Electric Inc., under subcontract to DelHur, began laying conduit for the new container transfer area access road. The new access road is to be completed by October 1.

ERDF (Continued)

Electrical conduit is being installed before a new access road is completed to help with increased waste volumes at ERDF.



ERDF (Continued)

Upcoming Activities

- A site boundary fence continues to be installed around the ERDF.
- The Request for Proposal for construction of the liner and leachate collection system for super cells 9 & 10 and excavation of super cell 10 will be issued in the next few weeks.
- An additional 150 waste containers were ordered to support increased volumes of contaminated waste from other Hanford contractors and WCH.

Video

[*Click here to view the video showing roller compaction activities, fence relocation, and backfilling water pipeline at ERDF.*](#)



618-10 Burial Ground

618-10 Non-Intrusive Characterization/Trench Remediation Project

Onsite geophysical delineation of the vertical pipe units at Hanford's 618-10 Burial Ground was completed. The collected data are under evaluation and will be used to support cone penetrometer installation activities.

Project staff continued mobilization for future characterization activities at the site including subcontractor document submittal, review, and approval activities. In addition, the project start-up review for nonintrusive radiological characterization activities was initiated. When these activities are finished, cone penetrometer installation will be started in support of vertical pipe unit and trench radiological characterization.

Project staff are continuing record research activities to supplement records obtained during the design solution. Also continuing is work associated with the value engineering study, which will be completed in September, and assignment of team members.

Upcoming Activities

- WCH is scheduled to receive from the subcontractor the work plan for remediation activities and preparations.
- Mobilization will continue at the job site through next week.
- Mock-up training activities for installing the cone penetrometers are scheduled for September 16-17.



Mission Support/General Support

Accomplishments

WCH continued work on the cost estimates for ARRA Phase II Cost Proposal – WCH-355, Volume 2. WCH also continued to support external reviews of the ARRA Phase I Technical and Cost Proposal (WCH-339, Volumes 1 and 2).

WCH continued internal management reviews of the Vision 2015 Roadmap for reducing the site clean up footprint by 2015. The roadmap will be used for fiscal year 2010 and outyear Contractor Performance Planning and identification of proposed ARRA Work Scope to support the Department of Energy's goal of accelerating clean up.

WCH supported a DOE late-breaking request for revised and additional reporting for Jobs Created and Jobs Saved.

Upcoming Events

- Issue the Phase II Technical and Cost Proposal, WCH-355 Volumes 1 and 2.
- WCH projects begin incorporating elements of the 2015 Vision Roadmap into the fiscal year 2010 and 2011 Contractor Performance Plan. Continue to work on finalizing the Vision 2015 Roadmap for planned issuance in October 2009.
- WCH will introduce to the workforce the third Safety Ownership Program Tenet, Fix it Now.



General

Job Fairs

Refer to the EM Recovery Act Jobs Data Call spreadsheet for Jobs Creation/Saved as of August 28, 2009.

Hiring Actions

Jobs Created as of 8-28-09

| | <i>Subcontractors</i> | <i>ROS</i> | <i>WCH</i> | <i>Total</i> |
|----------------------|-----------------------|------------|------------|--------------|
| <i>Weekly</i> | 8 | 0 | 0 | 8 |
| <i>Total To Date</i> | 99 | 8 | 20 | 127 |

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 August 28, 2009.

Mentoring/Training

No significant activities this week.

Media, Visits, Press Releases

No significant media events this week.

Contracting Actions

- Issued a Request for Quotes for 300 Turnbuckles (side winders) for ERDF.
- Awarded contract for one used D9T Caterpillar dozer for ERDF equipment upgrades.
- Awarded contract to convert three buildings currently on lease with another company to WCH for 618-10 Burial Ground.

