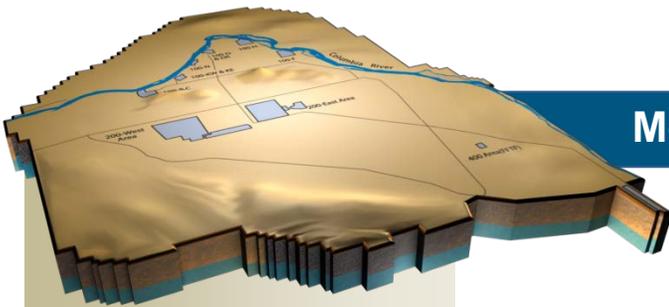


# Appendix C

## Project Services and Support (WBS 000) (PBS RL-XX.99)



### Monthly Performance Report

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## PROGRAM SUMMARY

Project Services and Support functional activities continue to provide support and technical services to all CHPRC projects as well as central management of cross-cutting services.

### TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Months	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	6	N/A
Near-Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

### Safety, Health, Security, and Quality (SHS&Q)

- The monthly Presidents' Zero Accident Council (PZAC) meeting was held on June 15th, with sponsorship provided by the CHPRC's Plutonium Finishing Plant (PFP). Additional significant SHS&Q related program activities for the month included:
  - Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
    - Publication of weekly Safety Tailgate communiqués covering relevant and timely topics:
      - ❖ job hazard analysis
      - ❖ summer safety
      - ❖ applying lessons learned
      - ❖ heat stress
      - ❖ Workers Observing Worker safety observations
      - ❖ ergonomics
      - ❖ demonstrating Integrated Safety Management System/ Environmental Management System (ISMS/EMS)
      - ❖ driver safety
      - ❖ preventing falls
      - ❖ Stop Work responsibility
      - ❖ July 4th holiday safety
      - ❖ injury/illness and close call summaries
    - Active participation in the site-wide (multi-contractor) committees continues, with each working on defined actions to support the following implementation schedules:
      - ❖ Fall Protection, September 30, 2011
      - ❖ Industrial Hygiene Database, about September 30, 2011

- ❖ Confined Space, September 30, 2011
- ❖ Lockout/Tagout, July 29, 2011
- ❖ Respiratory Protection, staggered into Fiscal Year (FY) 2012
- ❖ Electrical Safety, staggered into FY 2012
- ❖ Employee Job Task Analysis, FY 2012.
- ❖ Work continues on the Excavation Safety enhancements, through the established committee.
- OS&IH completed development of an enhanced subcontractor safety and health pre-qualification and performance review process. The implementing PRC-PRO-SH-40078, *Contractor Safety Processes*, document was published. In addition, OS&IH developed and published a management directive for controlling organization verification of lockout/tagout (LO/TO) performance (PRC-MD-SH-40414, *Lockout/Tagout Verification*), and revised the PRC-PRO-SH-10468, *Chemical Management Process*; PRC-PRO-SH-409, *Industrial Hygiene Monitoring, Reporting and Records Management, and Storing*; PRC-RD-SH-11198, *Using and Handling Compressed Gases*.
- OS&IH further expanded in-field support for Engineering, Projects and Construction's (EPC) 200 West Pump & Treat construction project thru rotational assist visits by safety and health professionals representing CHPRC's Safety Programs organization.
- Commenced partnering activities with the on-Site Waste Sampling and Characterization Facility to address industrial hygiene-related analytical services; drafted Statement of Work content to define the work activities and deliverable requirements for such services.
- Continued with progress on Program development and corrective actions associated with the CHPRC Beryllium Characterization Project.
- Supported field projects with participation in:
  - ❖ drum handling ergonomics evaluations
  - ❖ subcontract reviews
  - ❖ assessments
  - ❖ walk-downs
  - ❖ hazard analysis
  - ❖ pre-job meetings
  - ❖ work observations
  - ❖ emergency preparedness drills
  - ❖ communication on regulatory code activity
  - ❖ interpretation of requirements.
- Emergency Preparedness (EP) accomplishments:
  - Fifteen drills were performed in June; 10 of which were operational drills.
  - Successfully passes PFP Third Quarter RL Evaluated Exercise conducted on June 16, 2011.
  - Submitted T-Plant Second Quarter Exercise Corrective Action Plan to RL for approval
  - Preparing the TALON robot for deployment.
  - Preparing the MOVERS radiological emergency response vehicle for deployment.
  - Developed and trained EP Coordinators on qualification process.
  - Submitted *Cold Vacuum Drying Facility, Canister Storage Building, and 224-T Emergency*

*Planning Hazards Assessment* to RL for approval.

- Prepared for Defense Nuclear Facilities Safety Board (DNFSB) visits at Waste Encapsulation and Storage Facility (WESF) regarding Beyond Design Basin Accidents scheduled for July 12-15, 2011.
- Radiological Control accomplishments:
  - Issued revised PRC-PRO-RP-1622, *Radiological Design Review*, to clarify expectations and associated documentation as a result of the ALARA design reviews.
  - Issued revised Continuous Air Monitoring procedures (PRC-PRO-RP-40033, 40059, and 40060) to eliminate ambiguity towards required source checks.
  - Completed revision to Survey Simple. This electronic radiological survey report system reduces the potential for errors and this revision corrected inefficiencies identified by the users.
  - Initiated a review of recent radiological events to evaluate common causes across the Projects.
- Operations Program accomplishments:
  - CHPRC Work management procedures and interfacing procedures in other programs became effective on June 20th, Cancelled K-specific procedures to close out Phase I.
  - Completed Work Control related Integrated Corrective Action Plan (ICAP) actions and other related Condition Reporting and Resolution System (CRRS) actions prior to June 30, 2011.
  - Gathered feedback for annual updates to the Automated Job Hazard Analysis (AJHA) database as well as the Craft Hazards Analyses (CHAs).
  - Collected and submitted to DOE-HQ REVCOM comments on the recent rewrite of DOE G 433.1-1A.
  - Participated in a Washington River Protection Solutions LLC Quality Assurance (QA) Surveillance of the Industrial Hygiene Calibration Laboratory which also supports CHPRC industrial hygiene instrumentation.
  - Completed development of new Operations Program Web Page and published new Crystal Reports on the web site for easy user access.
  - Issued a revision to PRC-PRO-MN-40356, *Tri-Carb Liquid Scintillation Analyzer (LSA) Calibration Procedure*; PRC-PRO-MN-40365, *Canberra Alpha Analyst System Calibration*; and PRC-PRO-MN-40367, *Tennelec XLB Series 5 Alpha/Beta Counting Systems Calibration*; and closed CRRS items CR-2011-0539 and CR-2011-0543.
  - Performed a comprehensive review of Mission Support Alliance, LLC (MSA) endorsed procedures included in the Maintenance Implementation Plan. Obtained a signed affidavit from QA and Property Management that stated current implementation criteria was adequate. Closed related CR-2011-3423.
  - Conducted training classes for basic AJHA as well as a session for subject matter experts and technical authorities.
  - Facilitated the Procedures Streamlining Process mapping and schedule development
  - Drafted PRC-PRO-MS-589, *CH2M HILL Plateau Remediation Company Procedures*, supporting electronic workflow.
  - Completed preparations for Office of Civilian Radioactive Waste Management (OCRWM) program assessment.
  - Provided draft CHPRC input for a proposed Hanford Site-wide change to software QA

- documentation requirements.
- Deliverables prepared and transmitted to RL in June for Nuclear Safety include:
    - Transportation Documents:
      - Email, *8,000 Gallon Railcar Tiedown*
      - Email, *Revised Contaminated Equipment-Special Packaging Authorization (CE-SPA) Shipment Evaluation Checklist (SEC) for CE-1 Shipments from Central Waste Complex (CWC) to Perma-Fix Northwest (PFNW)*
      - Email, *Revised CE-SPA SEC for CE-1 Shipments from Waste Retrieval to PFNW*
      - Email, *CE-SPA SEC for CE-2 Shipments from PFNW to 200W*
      - Email, *Double Shell Railcar Tiedown*
      - Email, *CE-SPA SEC for Double Shell Railcar*
      - Email, *Revised CE-SPA SEC for Multiple Gloveboxes*
      - Email, *Request to ship Box 20 under HNF-33089 Tiedown Plan*
      - Email, *Request to ship Boxes 14 and 80 under HNF-33089*
      - Email, *Revised Tank D-10 Shipping Container Tiedown Plan*
      - Email; *Revised Tank D-10 SPA SEC*
      - Email, *209E Tank Assembly CE-SPA SEC*
      - Email, *Revised HNF-33089 Tiedown Plan (Generic Internal Load Securement Plan for Boxes)*
      - Email, *Revised CE-SPA SEC for CE-1 Shipments from CWC to PFNW*
      - Email, *Tiedown Plan for 9x5x5 and 8x4x4 Boxes on a Flatbed (CHPRC-01376)*
    - Documented Safety Analysis:
      - Letter, CHPRC-1102527, dated June 1, 2011, *Transmittal of the Annual Update for the U Plant Authorization Agreement and the Reductions Oxidation Facility Authorization Agreement*
      - Letter, CHPRC-1102468, dated June 1, 2011, *Submittal of the Annual Update of the Documented Safety Analysis for 224-T*
      - Letter, CHPRC-1101728A R2, dated June 1, 2011, *Impact Analysis for Contractor Requirements Document of DOE Order 420.1B Change 1 (Supplement 0), Facility Safety, Change Order Number 125*
      - Letter, CHPRC-1102491, dated June 6, 2011, *Submittal of the Annual Update of the Documented Safety Analysis for B Plant*
      - Letter, CHPRC-11025217, dated June 6, 2011, *Submittal of the Annual Update of the Documented Safety Analysis for 209-E*
      - CHPRC-1102462, dated June 21, 2011, *Submittal of the Annual Update of the Reduction-Oxidation Facility Documented Safety Analysis*
      - CHPRC-1102826, dated June 27, 2011, *Transmittal of the Canister Storage Building Final Safety Analysis Report, Revision 8, the Canister Storage Building Technical Safety Requirements, Revision 7, The Unreviewed Safety Question Determination Summary, and the Evaluation of Safety of the Situation for the Canister Storage Building Final Safety Analysis Report Errors in Material at Risk Summary Table and Beyond Design Basis Seismic Event Dose Consequence*

- CHPRC-1102851, dated June 27, 2011, *CHPRC Transmittal of Annual Update to the Plutonium Finishing Plant Safety Basis and Unreviewed Safety Question Summary Report*
- Documents Received from RL:
  - Letter, 11-SED-0092, dated June 1, 2011, *Exemption Request for the Provision of a Non-Looped Fire Water Distribution System for 105 K East (KE) Reactor Building*
  - Letter, SED-0111, dated June 3, 2011, *Review and Approval of Unreviewed Safety Question (USQ) Process, PRC-PRO-NS-062, Revision 1*
  - Email, *Revised CE-SPA SEC for CE-1 shipments from CWC to PFNW*
  - Email, *Super 7A Tiedown to Trailer HO-64-04563*
  - Email, *Revised CE-SPA SEC for CE-1 shipments from Waste Retrieval to PFNW*
  - Letter, 11-SED-0120, dated June 10, 2011, *Transmittal of the Annual Update to the CH2M HILL Plateau Remediation Company (CHPRC) Safety Management Program Documented Safety Analysis*
  - Email, *CE-SPA SEC for Double Shell Railcar*
  - Letter, 11-SED-0110, Dated June 10, 2011, *Approval of Justification for Continued Operation (JCO) Concerning Unanticipated Holdup Discovered in 291-Z Building*
  - Letter, SES-0150, Dated June 13, 2011, *Approval of the Plutonium Finishing Plant (PFP) Emergency Planning Hazards Assessment (EPHA) HNF-SD-PRP-HA-002 Revision 12*
  - Email, *Request to Ship Box 20 under HNF-33089 Tiedown Plan*
  - Letter, 11-OOF-0026, dated June 15, 2011, *Electrical Safety/Cold and Dark Core Surveillances of CH2M HILL Plateau Remediation Company (CHPRC) Facilities and Projects*
  - Email, *CE-SPA SEC for CE-2 shipments from PFNW to 200 West*
  - Email, *Revised CE-SPA SEC for Multiple Gloveboxes*
  - Email, *Request to Ship Boxes 14 and 80 under HNF-33089*
  - Email, *Tank D-10 Shipping Container Tiedown Plan*
  - Email, *8000-gallon Railcar tiedown*
  - Email, *Double Shell Railcar tiedown*
  - Email, *209E Tank Assembly CE-SPA SEC*
  - Email, *Tank D-10 F-SPA SEC*
- Documents Received from Others:
  - Letter, 1103170, dated June 23, 2011, *Energy, Dept Of/100K; PWS ID #00177J; Benton County Construction Documents for 100K Potable Water Facility; DOH Project 10-0207C*
- o Quality and Performance Assurance accomplishments:
  - Performed 85 self-assessments across CHPRC in June.
  - Completed initial training for project members and RL staff on the new web based Integrated Evaluation Plan data base.
  - The Quarterly Startup Notification Report was transmitted to RL on June 1, 2011. The D-10

- tank removal Joint Evaluation Team review was completed and a Level 3 Readiness Assessment will be complete prior to the activity.
- Following discussions with RL, direction was provided to perform a Level 3 Readiness review of activities being restarted in support of Found Fuel Processing and multi-canister overpack (MCO) operations at 105 KW and Cold Vacuum Drying Facility. Canister Storage Building will perform a management assessment for preparations to receive and handle MCOs.
  - RL review of the annual update of PRC-MP-QA-599, *Quality Assurance Program*, has been completed. All issues identified have been resolved. RL approval was received June 23, 2011.
  - Quality and Engineering staff training on the new automated Non-Conformance Reporting system has started.
- o Integration and Improvement Management accomplishments:
    - To date 80 of 84 ICAP actions have been completed. RL has reviewed and accepted approximately 90 percent of the closures.
    - The overall Closure Review Worksheet score for Condition Reports (CRs) closed in June was 98 percent.
    - The program Corrective Action Review Board met in June and reviewed the cause evaluation and corrective action plan (CAP) for CR-2011-1283, Errors Identified in External Dosimetry Investigation Report. The evaluation and CAP were accepted with a minor comment.
    - CHPRC completed the Effectiveness Review of the CHPRC's assessment/trend program for CR-2010-1942 (ICAP). The review concluded that the actions taken were effective, considering the runtime since action completion. The actions were expected to have continued incremental impact as teams apply training and become proficient in task activities. The report cautioned that substantial results to close performance gaps may take at least six months to recognize.
  - Status of SHS&Q Performance Indicator Trend Analysis:
    - o **Issue:** Beryllium program assessment findings from U. S. Department of Energy, Headquarters, Office of Safety, Health and Security Independent Oversight Inspection report.  
**Status:** Supported re-baseline of site Beryllium CAP with RL, DOE Office of River Protection, and site contractors.  
**Action:** Implementing CHPRC actions and supporting site-wide actions per the approved CAP.
    - o **Issue:** Performance Trends under evaluation: fall protection issues, radiological survey record documentation, work management, radiological control in PFP, and LO/TO.  
**Status:** Working with RL points of contact for resolution; preparing response to RL PFP radiological and work control surveillance.  
**Action:** Taking corrective actions as needed.
    - o **Issue:** Transportation Documented Safety Analysis requires updating to support on-site transportation activities.  
**Status:** Developed CAP.  
**Action:** Actions on schedule.
    - o **Issue:** Implementation of ICAP.  
**Status:** 80 of 84 actions completed; RL has verified 90 percent for closure.

**Action:** Continue ICAP actions.

- **Issue:** Transfer of Radiological Site Services from Pacific Northwest National Laboratory (PNNL) to MSA.

**Status:** RL has targeted October 2012 for transfer.

**Action:** CHPRC will revise statements of work and internal procedures to support this transfer.

- **Issue:** Issuance of new DOE O 458.1, *Radiation Protection of the Public and the Environment*, without implementation guide.

**Status:** Developing Environmental Radiation Protection Plan (ERPP) to meet August 2012 date; RL to include in J.2 attachment of PRC contract.

**Action:** Awaiting DOE implementation guide.

## Environmental Program and Strategic Planning (EP&SP)

### Environmental Management System

- Two PFP Targets (11-EMS-PFP-OB1-T1 and 11-EMS-PFP-OB2-T1) were completed and closed.

### Environmental Protection

- **LERF ETF Part A Permit:** Ecology approved a RCRA Part A revision for LERF ETF. This will allow continued acceptance of purgewater under the recently approved Investigation Derived Waste Strategy.
- **NPDES:** The last NPDES discharge monitoring report for the 100K Outfall was submitted, closing out the use of this discharge point to the Columbia River.
- **600 Area Modutanks:** CHPRC/RL submitted a certification of closure for the 600 Area modular storage tank (modutank) to Ecology. Ecology will approve the closure plan through the Hanford Facility RCRA Permit renewal process. In the meantime, certification of closure allows CHPRC to suspend conduct of RCRA inspections, postings and training requirements for this unit.
- **WRAP Air Permit NOC:** A radioactive air permit notice of construction (NOC) has been drafted for the purpose of modifying the WRAP license to account for higher alpha emissions rates. It will be reviewed within CHPRC in July, and sent by the end of July to RL. This revised NOC application must be submitted by RL to Ecology no later than the end of August.
- **Underground Injection Control Wells:** Efforts will be underway to support a Hanford wide effort (led by MSA) to assess all of the site's underground injection control wells (UICs) by 2013, per WAC 176-218 requirements. Currently, CHPRC has over 200 wells assigned to it. Under discussion is the scope of the assessment. Discussions will also be occurring on several hundred related to steam lines that contractually are not assigned to any contractor.
- **Inspections:** There were two Ecology inspections conducted in June, 200 Area TEDF (closed by Ecology with no issues), and the annual RCRA Permit General Inspection of the 200 E Area (minor issues noted). There were two Department of Health (DOH) inspections conducted in June, Stack 296-H-212 located at the Canister Storage Building (documents provided), and the 296-B-1 stack at B Plant (no issues identified to date).
- **Benton Clean Air Agency:** MSA Environmental Integration briefed CHPRC on a complaint the Benton Clean Air Agency (BCAA) received regarding asbestos removal at the 284W Powerhouse demolition project. The demolition project is being conducted by CHPRC under CERCLA authority. CHPRC provided information to RL, EPA and BCAA on this item and believes the issue is closed.

### Environmental Databases

- **WCH HEIS Data:** EDM continues to monitor progress of loading Washington Closure Hanford (WCH) environmental data into HEIS in support of River Corridor 100-Areas RI/FS data. Updates to WCH and CHPRC personnel are provided weekly. With the exception of the last 2% of the data for the 300 Area, all the WCH RI/FS data is has been loaded into HEIS.

### Environmental Quality Assurance

- **Work Site Assessment:** Completed an evaluation of 90-Day dangerous waste accumulation areas as part of extent of condition and review resulting from a recent EPA inspection. Four findings and one Opportunity for Improvement (OFI) were identified.
- **Independent Assessment:** Completed an assessment of RCRA activities for compliance with EQAPP. Seven Findings and seven Opportunities for Improvement (OFI's) were identified.

### Business Services

- The 2011 Inventory of Sensitive Property and Equipment continued and is on schedule for completion in July. There are 6,879 items to be inventoried valued at \$124M. To date, 6,574 (or 95 percent) of the items have been accounted for. There have been no reported losses.
- Facilities and Property Management has developed a detailed schedule for the removal and return of ARRA leased mobile offices. The first group of units located at 4<sup>th</sup> and Baltimore in 200E is scheduled for initial preparation for return in late July, to be followed by units at the 284E Powerhouse and the 209E D&D site. The balance of units will be scheduled for removal following work force restructuring.
- The procurement group awarded 60 new contracts with a total value of \$3.7M, amended 356 existing contracts with a total value of \$10.7M, and awarded 392 new purchase orders valued at \$1.39M to support Base/ARRA acceleration objectives.
- As measured at the end of the first 33 months, procurement volume has been significant; \$1.72B in contract activity has been recorded with approximately 49 percent or \$848M in awards to small businesses. ARRA funded activity totals 43 percent or \$748M of the grand total. This includes 5,152 contract releases, 9,701 purchase orders, and over 171,700 P-Card transactions.
- Procurement continues to provide training to Contract Specialists both informally and formally. In June, we started a lunch and learn workshop to provide training to the procurement staff. Topics discussed are based on suggestions from both staff and management. Our first lunch and learn was a one-hour workshop on the Service Contract Act. Discussions about closing contracts and approving travel and per diem invoices are the topics for the next sessions.
- As a result Procurement's continuing improvement efforts, the process for acquiring Contract Labor has been significantly improved over the last year. In June, a new Business Process Guide was issued which captures the guidelines for acquiring Contract Labor through the new process. This new guide will ensure consistency in the process and captures organization knowledge for training of new Contract Specialists.
- CHPRC Procurement organization recently completed the Balanced Scorecard Annual Employee and Customer Surveys. The Surveys are critical elements in the Department of Energy requirement of a Balanced Scorecard assessment and annual report. Employee Survey is made up of ten queries designed to status the employee relationship with procurement staff and management, with a goal of 90%. Results of the employee survey for fiscal year 2011 indicate an overall rating of 91.29% acceptable responses. Customer Survey consists of ten queries geared toward the calibration of services provided by the CHPRC Procurement staff to our customers. Results of the customer survey, with a goal of 92%, indicate an acceptance rate of 85.60%, with a response rate of 35.19%. December 2010 and January 2011 P-Card file documentation has been reviewed, scanned, and

uploaded into the Integrated Document Management System (IDMS). February and March data have been reviewed.

- Assisted 100K in finding an alternate supply of ion exchange resin on site.
- Five Declaration of Excess forms were sent to Mission Support Alliance (MSA) Asset Control to request excess of 1,810 items valued at \$204,325.
- Working with MSA to complete a “Right Sizing of Material Inventories” inquiry on Spares and Convenience Storage. The list, split into logical pieces and ordered by Facility, Material Analyst Groups, and Parent Piece of Equipment, was sent to the Chief Engineers and Design Authorities for review. As of the time of this writing approximately 10% of the parts lists have been dispositioned and either marked to excess or retain. The goal is to have all affected parts dispositioned by the end of August.
- Spare Parts subject material expert assisted CHPRC Facilities & Property Management personnel in locating property tagged items in inventory.

### **Prime Contract and Project Integration (PC&PI)**

Working with the associated Projects, Change Management completed preparation of detailed responses to the findings associated with the DOE sponsored KPMG audits of change orders #9 (*Sludge Treatment Project*) and #30 (*200-ZP-1 Operable Unit Operations and Maintenance*). CHPRC provided RL summary briefings on June 23, 2011 for *200-ZP-1 Operable Unit Operations and Maintenance* and on June 27, 2011 for *Sludge Treatment Project*. The formal submittal of CHPRC’s responses to RL occurred on July 5, 2011 for the *Sludge Treatment Project* and July 6, 2011 for the *200-ZP-1 Operable Unit Operations and Maintenance*.

Agreement was reached with RL on PBS RL-040 change orders #089 (Asbestos Abatement {56 locations}), #119 (*Water Tower Demolition*), #122 (*Outer Zone RTD*), and #123 (*Dispose of Locomotive and Railcars*), documented in PRC modification 165 and PBS RL-013 change order #69 (*WESF Ventilation Upgrade {conceptual design only}*), documented in PRC Modification 175.

Change Management and CHPRC Engineering, Projects, and Construction supported the initiation of the DOE sponsored KPMG audit of CHPRC REA 000.005, *Support Trailers*.

Working with the Soil & Groundwater Remediation Project, Change Management completed and provided to RL CP 1089, *UIC Well Management*, in response to change order #68, and CP 1063, *BC5 & FR3 Expedited Remedial Actions*, in response to CO #101.

The final report, including documentation of recommended corrective actions, for the Management Assessment of the effectiveness of CHPRC PRC change management processes and deliverables was issued in June. Corrective actions were entered into the CHPRC Condition Reporting and Resolution System (CRRS) to facilitate their tracking to completion. As of July 1, 2011 seven of 26 corrective actions were complete.

During June, Contract Compliance received and processed five contract modifications (numbers 160, 168, 171, 172, and 175) from RL. The Correspondence Review Team reviewed and determined the distribution for 61 incoming letters and the Contract Compliance Manager reviewed 40 outgoing correspondence packages.

Continued the tasks associated with implementation of the Timberline estimating software, including documentation of steps required for implementation, identification and creation of standard templates for repetitive site work, and software training for cost estimating staff.

Began the annual update of the Performance Measurement Baseline for FY12 based on the target funding profile provided by RL.

Provided to RL a reconciliation of the Performance Measurement Baseline and contract Table B.4, which

should support further alignment of the two documents.

Developed a template for use by MSA in support of forecast of services for the out years in the Infrastructure Services Alignment Plan (ISAP).

### **Engineering, Projects and Construction (EPC)**

Central Engineering (CE) represented the CHPRC at the Energy Facility Contractors Group (EFCOG) Annual meeting in Washington D.C. June 14-16. Charlie Kronvall, EFCOG Engineering Practices Working Group (EPWOG) Chair prepared and delivered a presentation highlighting the accomplishments of the EPWOG. Details are available via meeting notes posted on the CE Web Page (2011-06 EFCOG Annual Meeting).

CE completed a white paper for the EFCOG Project Management Working Group summarizing results from surveys/interviews with 6 major capital projects from across the DOE Complex regarding Acquisition Strategies. The data from these surveys/interviews yielded best practices and lessons learned which will aid contractors in aligning with the DOE-HQ goals of improved contracting management alignment with project management to improve performance.

CHPRC/CE was recognized at the Annual EFCOG Meeting by the DOE Office of Engineering and Construction Management (OECM) Director of Project Reviews for providing "excellent" support to the Mixed Oxide (MOX) Facility Peer Review in April and the OECM Workshop in May.

CE continues to participate with the DOE HQ team in the update & revision of DOE-STD-1020-2002, Natural Phenomena Hazards Design and Evaluation Criteria for DOE Facilities. The proposed revision will be DOE-STD-1020-2011 (same title), and will incorporate the seismic requirements defined in DOE-STD-1189. The team worked on the response to DNFSB & EPWOG comments.

CE delivered a Presentation to the Engineering Leadership Team reinforcing the need to manage configuration control on all procured engineering equipment, and any associated modifications. This was a result of actions taken by a Union Safety Representative on the Groundwater Project questioning this issue, which resulted in rendering a new piece of modified equipment unusable due to lack of engineering involvement and control.

CE participated as a part of a Parent Organization Oversight Committee (POOC) review of Conduct of Engineering for NSTec at the Nevada National Security Site (NNSS) June 20-24. The POOC focused on Engineering Department Performance, the Engineering Organization Structure, and Engineering Program performance. The final report is scheduled for delivery to the NSTec Chief Operating Officer by July 22, 2011.

CE provided field support to the HX P&T Project in responding to a chlorinated polyvinyl chloride (CPVC) pipe that sustained a hairline crack during Construction Acceptance Testing (CAT). American Society of Mechanical Engineers (ASME) code requirements were reviewed and recommendations were provided to the Project Manager and Construction Manager.

CE developed a new CHPRC accessible website/database containing AHJ Approved Electrical Equipment Evaluations.

CE provided Nationally Recognized Testing Laboratory (NRTL) evaluation/resolution support for the following:

- Supported the 200W Pump-and-Treat Project preparation of an Authority Having Jurisdiction (AHJ) Approval Package for Shawflex Instrumentation Cable.
- AHJ Approval Packages for legacy non-NRTL equipment for the CHPRC machine shop including a Western Arctronics Spot Welder, Piranha Ironworker, Summit Drill Press, Willis-Bergo Drill Press, Niagra Shearer, and Marvel Saw. Equipment has been evaluated, tested and AHJ approved for use.
- Supported the PFP engineering in preparing an AHJ Approval package for a Bray valve actuator received at Acquisition Verification Services (AVS) without NRTL listing/labeling. Valve actuator

was evaluated, tested, and AHJ approved while the associated Nonconformance Report (NCR) was dispositioned.

- AHJ Approval Report database to include Field Evaluations, which will assist in the approval of similar products up for evaluation in the future.
- 200W Pump-and-Treat on non-NRTL cable received. Cable was evaluated by CE and AHJ approved.
- Evaluation of a radiation monitoring meter, Mirion AMP-100, received at AVS without NRTL listing/labeling. The meters were verified as battery operated (<50V) and legacy replacement units.
- For PFP to test, evaluate, and approve an Amprobe meter without NRTL listing/labeling.

### Communications

- Public Involvement:
  - Provided material and service support for a public meeting of the Hanford Advisory Board.
  - Developed presentation and outreach materials to support the June 7, 2011 Deep Vadose Zone Technology Information Exchange.
  - Provided CHPRC project accomplishment input for the RL update to the HAB
- Media Relations
  - Developed media background materials on grouting of U Canyon process cells that led to news coverage in *ENR* magazine.
  - Responded to media inquiries related to CHPRC workforce restructuring self-select program that reinforced workforce reduction announcement shared in January.
  - Collaborated with RL public affairs in preparing news release, photography and video clips of Mixed and Low Level Waste (MLLW) activities. Materials to be shared with media once Waste and Fuels Management Project achieves Key Performance Parameters for shipping MLLW.
  - Posted story and photos on DOE Facebook Website documenting 100 HX Pump & Treat Plant nearing completion. Posting resulted in news coverage of plant in the *Tri City Herald* and *Weapons Complex Monitor*.
  - Announced assignment of Jerry Long as CHPRC VP and Project Manager of Plutonium Finishing Plant Project.
- Tours
  - Continued coordinating the 100K Area portion of the 2011 Hanford Public Tours by hosting 12 tours during the month.
  - Provided tour support for three ad hoc special interest visits to the Site.
- Internal Communications
  - Continued rolling out the Workforce Restructuring Communication Plan that included:
    - Announcing number of employees choosing and accepted in self-select program
    - Publicizing and coordinating “*Coping with Change Workshops*” for employees
    - Updating and maintaining Workforce Restructuring Internal Website
  - Continued rolling out Environmental Management System (EMS) Communications campaign to meet company targets and objectives
  - Continued to provide communications support for rolling out CHPRC Team Employee Incentive Program
  - Provided planning and support for projects’ all-employee and VPP safety tailgate meetings.

## PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 000 Project Services and Support	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)
<b>Indirect WBS 000 Total</b>	<b>11.1</b>	<b>11.1</b>	<b>10.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.5</b>	<b>4.9</b>	<b>958.3</b>
Communications	0.2	0.2	0.2					14.6
Safety, Health, Security and Quality	1.6	1.6	2.4					104.5
Environmental Program and Strategic Planning	0.3	0.3	0.3					25.0
Prime Contract and Project Integration	0.9	0.9	0.6					53.1
Business Services	8.0	8.0	6.8					755.9
Engineering, Projects and Construction	0.6	0.6	0.9					35.6
PS&S G&A Adder Offset	(0.5)	(0.5)	(0.7)					(30.4)
<b><u>PBS Allocations</u> <u>(RL-0XX.99)</u> Total</b>	<b>10.6</b>	<b>10.6</b>	<b>10.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.6</b>	<b>5.4</b>	<b>958.3</b>
<b>Base Total</b>	<b>4.5</b>	<b>4.5</b>	<b>3.9</b>					<b>800.6</b>
RL-11	0.3	0.3	0.4					44.6
RL-12	1.0	1.0	0.8					87.5
RL-13	1.0	1.0	0.8					265.8
RL-30	1.2	1.2	1.2					179.1
RL-40	0.2	0.2	0.2					156.8
RL-41	0.9	0.9	0.5					62.8
RL-42	0.0	0.0	0.0					4.0
<b>ARRA Total</b>	<b>6.0</b>	<b>6.0</b>	<b>6.1</b>					<b>157.7</b>
RL-11	1.7	1.7	1.4					40.9
RL-13	1.5	1.5	1.4					36.9
RL-30	0.5	0.5	1.7					16.5
RL-40	1.5	1.5	1.2					38.3
RL-41	0.8	0.8	0.4					25.1

Numbers are rounded to the nearest \$0.1M.

**Indirect WBS 000****CM Schedule Performance: (\$0.0M/0.0%)**

The current month schedule variance is within threshold.

**CM Cost Performance: (+\$0.5M/+4.9%)**

The variance is primarily due to higher than planned G&A from GPP/CENRTC projects, lower FY2011 pension plan contribution, disallowed Home Office costs, and retiree insurance premium; offset by Safety & Health due to increased staff to support Occupational Safety & Health, work control program improvements, and beryllium program, as well as higher radiation protection program costs.

**PBS Allocations (RL-0XX.99)****CM Schedule Performance: (\$0.0M/0.0%)**

Level of Effort.

**CM Cost Performance: (+\$0.6M/+5.4%)**

See Indirect WBS 000 analysis above.

A variance of +\$0.6M exists between the indirect WBS 000 and the PBS allocations actual cost. This variance is the result of over liquidated indirect cost. The current policy for allocating indirect cost is to charge a burden based on the approved G&A rate and either over/under liquidate the indirect WBS cost.

Variance in each PBS may be higher or lower than the composite variance as a result of the PRC accounting practice of distributing cost based on the Project's actual cost instead of the accounting practice of planning the BCWS distribution based on the Project's BCWS by each PBS.

## Contract-to-Date (\$M)

WBS 000 Project Services and Support	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)
<b>Indirect WBS 000 Total</b>	<b>291.7</b>	<b>291.4</b>	<b>268.7</b>	<b>(0.3)</b>	<b>(0.1)</b>	<b>22.7</b>	<b>7.8</b>	<b>958.3</b>
Communications	6.3	6.3	5.9					14.6
Safety, Health, Security and Quality	49.5	49.5	54.7					104.5
Environmental Program and Strategic Planning	9.4	9.4	8.9					25.0
Prime Contract and Project Integration	25.9	25.9	22.5					53.1
Business Services	208.6	208.6	188.6					755.9
Engineering, Projects and Construction	17.1	17.1	16.4					35.6
PS&S G&A Adder Offset	(25.1)	(25.1)	(28.2)					(30.4)
<b><u>PBS Allocations (RL-0XX.99) Total</u></b>	<b>289.0</b>	<b>289.0</b>	<b>263.9</b>	<b>0.0</b>	<b>0.0</b>	<b>25.1</b>	<b>8.7</b>	<b>958.3</b>
<b>Base Total</b>	<b>150.9</b>	<b>150.9</b>	<b>145.6</b>					<b>800.6</b>
RL-11	20.6	20.6	20.1					44.6
RL-12	27.3	27.3	26.5					87.5
RL-13	40.4	40.4	38.0					265.8
RL-30	43.2	43.2	45.3					179.1
RL-40	8.8	8.8	6.9					156.8
RL-41	9.1	9.1	7.4					62.8
RL-42	1.6	1.6	1.4					4.0
<b>ARRA Total</b>	<b>138.1</b>	<b>138.1</b>	<b>118.3</b>					<b>157.7</b>
RL-11	33.5	33.5	28.7					40.9
RL-13	31.9	31.9	29.1					36.9
RL-30	14.9	14.9	14.1					16.5
RL-40	35.0	35.0	26.9					28.3
RL-41	22.7	22.7	19.6					25.1

Numbers are rounded to the nearest \$0.1M.

**Indirect WBS 000****CTD Schedule Performance: (-\$0.3M/-0.1%)**

Within threshold.

**CTD Cost Performance: (+\$22.7M/+7.8%)**

The positive variance for PRC G&A and D&D activities is distributed by weighted percentage to the Base and ARRA PBSs. The variance results from lower than expected FY2009 G&A costs due to company level and Other Hanford Pass-back, lower assessments from MSA for Other Provided Services to PRC, and with a labor underrun in project support staff related to ARRA Ramp up (+\$17.2M). For FY2010, the positive cost variance (+\$1.1M) was primarily attributed to disallowed FY2009 and FY2010 Home Office costs, underruns in the Retiree Insurance Program, and estimating software earned but not yet purchased; offset by lower than planned G&A from the projects due to delays in capital projects. The FY2011 positive cost variance of \$4.3M is primarily due to higher G&A from GPP/CENRTC projects, lower pension plan contribution, and lower retiree insurance premiums. This is offset by increased staffing to support safety and work control programs, increased beryllium program costs, cost of radiation protection program equipment, and increased construction program support due to higher FY2011 construction activity.

**PBS Allocations (RL-0XX.99)****CTD Schedule Performance: (\$0.0M/0.0%)**

Level of Effort.

**CTD Cost Performance: (+\$25.1M/+8.7%)**

See Indirect WBS 000 analysis above.

A variance of +\$4.8M exists between the indirect WBS 000 and the PBS allocations actual cost. This variance is the result of under liquidated indirect cost. This results from higher G&A generated by GPP/CENRTC and WFO. The current policy for allocating indirect cost is to charge a burden based on the approved G&A rate and either over or under liquidate the indirect WBS cost.

Variances in each PBS may be higher or lower than the composite variance as a result of the PRC accounting practice of distributing cost based on the project's actual cost instead of the accounting practice of planning the BCWS distribution based on the Project's BCWS by each PBS.

**Estimate at Completion (EAC)**

The BAC and EAC now include FY2009 through FY2018, the PRC contract period. The variance between the EAC (WBS 99 Allocations \$936.6M) and the BAC (+\$958.3M) reflects the impact of labor underrun in project support staff related to ARRA Ramp-up coupled with efficiencies in current workloads.

### FY2011 FUNDS vs. SPEND FORECAST (\$M)

WBS 000 Project Services and Support	FY2011		Variance
	Projected Funding	Spending Forecast	
<b>ARRA</b>	68.6	66.3	2.3
<b>Base</b>	<u>51.2</u>	<u>48.8</u>	<u>2.4</u>
<b>Total</b>	<b>119.8</b>	<b>115.2</b>	<b>4.7</b>
Communications	2.4	2.4	
Safety, Health, Security and Quality	27.8	27.4	
Environmental Program and Strategic Planning	3.6	3.5	
Prime Contract and Project Integration	8.3	8.9	
Business Services	79.8	78.4	
Engineering, Projects and Construction	8.6	8.4	
PS&S G&A Adder Offset	(10.8)	(13.9)	
<b><u>PBS Allocations</u></b> <b><u>(RL-0XX.99) Total</u></b>			
<b>Base Total</b>	<b>51.2</b>	<b>48.8</b>	<b>2.4</b>
RL-11	4.3	4.3	
RL-12	9.7	9.4	
RL-13	10.2	9.6	
RL-30	18.7	17.9	
RL-40	2.2	2.1	
RL-41	5.9	5.3	
RL-42	0.1	0.2	
<b>ARRA Total</b>	<b>68.6</b>	<b>66.3</b>	<b>2.3</b>
RL-11	18.1	17.3	
RL-13	18.2	18.1	
RL-30	7.7	8.5	
RL-40	16.6	15.6	
RL-41	8.0	6.8	

Numbers are rounded to the nearest \$0.1M.

**Funds Analysis**

There were no funding changes made during the month of June. Fiscal Year 2011 total available funding remains at \$119.8M.

**Baseline Change Requests**

None.

**MAJOR ISSUES**

None identified.

**MILESTONE STATUS**

None identified.

**SELF-PERFORMED WORK**

The Section H.20 clause entitled, "Self-Performed Work," is addressed in the Monthly Report Overview.

**GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)**

None identified.