

Monthly Performance Report

July 2021

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract 89303320DEM000030



P.O. Box 1464
Richland, Washington 99352

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Date Published
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 **CPC** Co
Central Plateau
Cleanup Company
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APPROVED

By Janis Aardal at 8:25 am, Aug 11, 2021

Release Approval

Date

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CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

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OVERALL KEY ACCOMPLISHMENTS

Central Plateau Cleanup Company (CPCCo) advanced cleanup throughout the Hanford Site during the July reporting period under the Implementation Period Task Order (Task Order 2 [TO2]). The Implementation Period Task Order was established under the End State Contracting Model to provide a window for partnering between the U.S. Department of Energy (DOE), Richland Operations Office (RL) and CPCCo in the planning of subsequent task orders supporting site cleanup, footprint reduction and long-range environmental liability and risk reduction. The scope of the Implementation Period Task Order is to continue ongoing work consistent with the former contractor's performance measurement baseline until those subsequent task orders are issued. This Monthly Performance Report is issued by CPCCo in accordance with Central Plateau Cleanup Contract requirements, Section C.6.2.1, "Monthly Performance Report."

Key Accomplishments

RL-0011 - Plutonium Finishing Plant (PFP): The Inner Area End States (IAES) PFP project team continued demolition and waste loadout of the 236-Z Plutonium Reclamation Facility (PRF) debris pile and remaining ancillary structures. A total of 53 roll-on/roll-off (RO/RO) containers were loaded with PRF debris and 73 RO/RO containers containing 236-Z debris were shipped for disposal to the Environmental Restoration Disposal Facility (ERDF) in the month of July.

RL-0013 – Solid Waste Stabilization and Disposition: The Cask Storage System (CSS) contractor completed lead pours for the dry transfer system and continued fabrication of CSS transfer and ancillary equipment. At Canister Storage Building the Waste Projects and Operations team completed testing the multi-canister overpack handling machine crane. Solid Waste Operations Complex maintenance teams completed installation of scaffolding and removed sections of insulation from the mixed-waste trench (MWT) leachate tanks to facilitate third-party inspection. At T Plant, the team completed the first filter media sludge transport and storage container (STSC) unloading and began loading the next STSC into the cask trailer. At Waste Encapsulation and Storage Facility (WESF), upgrade and replacement of WESF pool cell area radiation monitors has been initiated. At Central Waste Complex (CWC), the team completed 2403WD roof repairs and CWC Operations relocated 11 concrete cylinder transuranic mixed waste containers from the Outside Storage Area (OSA) A to waste storage building 2403-WB in support of the removal of all mixed waste containers from OSA A and OSA B. Waste and Transport services supported CWC Operations in the shipment of two low gram transuranic (TRU) waste boxes to Perma-Fix Northwest (PFNW). Three mixed low-level waste boxes from PFWN and 14 TRU waste drums from Pacific Northwest National Laboratory were received into MWT-31 and five TRU waste boxes were shipped to PFWN from CWC. ERDF received 17,562 tons of waste for disposal and completed all quarterly U.S. Department of Transportation vehicle inspections. The Integrated Disposal Facility (IDF) operations and maintenance team completed the monthly and seven significant storm event inspections as well as pumping down the leachate collection and removal sumps for cells 1 and 2. The IDF operational readiness efforts are focusing on the following items: ongoing supervisory control and data acquisition installation, replacement of the leachate tank liners, floor repairs in the leachate facilities, permitting and developing procedures and waste management process.

RL-0030 – Soil and Groundwater Remediation (S&GR): Soil and Groundwater Operations continued progress on decision documents, routine sampling analysis, well drilling and pump and treat operations. Additionally, the project is on track to complete treatment of more than 2.2 billion gallons of contaminated groundwater this fiscal year (FY).

RL-0040 – Nuclear Facility D&D, Remainder of Hanford: The IAES Plutonium Uranium Extraction (PUREX) team completed demolition, loadout and backfill of the basement of 2701AB, completed demolition and loadout of the 214A PUREX warehouse slab and demolished abated steamlines and support poles in the PUREX North yard. At the Reduction-Oxidation (REDOX) plant, crews completed temporary power and lighting setup, 202S mechanical isolations and mobilized the construction subcontractor for the REDOX wind tunnel excavation. The IAES team completed the 200-MG-1 sampling and analysis plans associated with *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) milestone M-016-257. Also, crews at the West Area Remediation Project continued temporary power installation in the 231-Z Facility.

RL-0041 – Nuclear Facility D&D, River Corridor Closure Project: Crews completed overburden removal at the 100-K-55:2, 100-K-56:3 and 100-K-96 waste sites and submitted draft verification work instructions to RL for review. The team completed demolition of 165KE. The 105KE Interim Safe Storage fabrication and erection contract was awarded. Installation of the vertical pipe casings (VPC) and the construction completion document for transfer of the VPC system to operations were completed. At the 105KW Facility, crews initiated activities for the second garnet filter media retrieval and transfer to the STSC. At the 324 Building Disposition project, the FY2021 annal update of the safety basis was implemented. Milestone change requests for M-016-85 and M-016-85A were approved with new milestone due dates of November 30, 2030 and November 30, 2025, respectively. Crews completed remote excavator arm proficiency training, grout injection training and an airlock decontamination tool factory acceptance test at mockup facility. Crews completed Room 18 decontamination and waste loadout as well as Retired Radioactive Liquid Waste System core removal and loadout. Room 18 soil drums were shipped to ERDF, and the removal of additional mechanical interferences in Room 18 was completed. Finally, the team completed Hazard Review Board for micropile grouting.

RL-0042 – Fast Flux Test Facility (FFTF): The IAES crews continued electrical investigations and re-lamping of lighting in the 400 Area.

RL-0201 – B Reactor: B Reactor/Manhattan Project National Historical Park project personnel performed general housekeeping and maintenance activities at B Reactor and grounds and the Hanford High School and grounds. Activities included radiological control surveys and electrical preventive maintenance. At B Reactor, the project hosted a tour for the DOE Office of Environmental Management (EM-2). The project also planned National Park Service displays for the B Reactor water laboratory and performed the job hazard analysis for painting the outbuildings. Ground scans were completed for the installation of the restroom facility at 105B.

Business Performance: A series of Business System health evaluations are in progress or slated to begin in the next few months: Earned Value Management system, estimating system, accounting system and the purchasing system. The evaluations will identify areas of improvement to be implemented as the new contract structure commences. Business Services has been providing frequent support to Task Order development and preparing to implement any changes in the areas of finance, human resources, procurement and information management. Labor relations is continuing to prepare for Hanford Atomic Metal Trades Council negotiations pursuing an alternate strategy to full open negotiations. CPCCo has collaborated with a Small Veteran Owned Business to submit a mentor-protégé program agreement to the Small Business Administration. The application review process is expected to be completed in October 2021. The information management team has continued to provide support to CPCCo software owners with the revision and issuance of Software Quality Assurance documentation. Despite limited internal resources, business performance continues to strive to complete and deliver required deliverables in a timely manner.

Environment, Safety, Health and Quality (ESH&Q): No recordable or days away, restricted or transferred (DART) cases occurred during the reporting period. As of July 25, 2021, the DART rate stood at 0.26 and total

recordable case rate at 0.26. ESH&Q conducted one Emergency Preparedness (EP)-evaluated drill and submitted three EP technical documents to RL for review and approval. CPCCo continues to participate in the Contractor Interface Board to ensure COVID-19 controls and communications are consistent across the Hanford Site. Executive Safety Review Board reviews were completed for the May Contractor Assurance System and the Safety Management Program for Procurement and Acquisitions. CPCCo supported one regulatory agency permit group visit and the RL calendar year 2021 Hanford Site *Resource Conservation and Recovery Act of 1976* (RCRA) Dangerous Waste Permit General Area Inspection of the 100, 300 and 400 Areas. RL completed field work on an audit of the CPCCo Quality Assurance Program. Radiological Protection approved and published CPCC-00174, *Central Plateau Cleanup Company Radiation Protection Program*, and CPCC-00175, *Central Plateau Cleanup Company Radiological Controls Manual*.

Environmental Regulatory Management: CPCCo has developed a new approach to establishing Tri-Party Agreement milestones that is supported by RL and the regulators. The initiating condition is a set of milestones related to the cleanup decision process on the Central Plateau that are under negotiation due to funding constraints. The new approach aims to align the goal of the Indefinite Delivery Indefinite Quantity contract structure and the CPCCo tools, including the Plateau Risk Elimination Program (PREP), with a milestone framework that emphasizes near-term enforceable milestones and the expectation to deliver the associated scope on schedule. Under the approach, the out-year cleanup plan would consist of targets that would be replaced by new enforceable milestones as the near-term milestones are achieved, informed by the PREP toolset and efficiencies to deliver the best value to the Tri-Parties and stakeholders. The goal is a nimble framework supported by mutual wins for all parties through on-schedule completions as compared to recent history that has been dominated by delays once milestone sets are negotiated. CPCCo is working with RL to obtain formal adoption of the approach by the Tri-Parties via the Interagency Management Integration Team principals. CPCCo is also supporting discussions to establish new standing management interface meetings with the Washington State Department of Ecology with the goal to improve communications and relationships on RCRA permitting priorities and needs. The interface will also include RL and two senior environmental/permitting representatives from each of the Hanford Site contractors. The first interface is being scheduled to occur in September 2021.

End States Strategy and Integration (ESS&I): CPCCo evaluated the RL-issued Task Order Performance Work Statements and provided recommendations focused on clarifying scope and end state criteria, performance standards for assessing completion, bounding assumptions and exclusions and clarifying applicability of terms to cost reimbursement versus firm fixed price work. These inputs, which were provided both during and following partnering workshops, will help inform a mutual understanding of the technical, schedule and cost basis for proposals to be developed. Business cases continue to be developed for candidates for a graded approach to implementing contract requirements. These candidates reflect areas where modification or agreed-upon applications of existing requirements may provide significant benefits in reducing the cost or complexity of cleanup work.

The PREP is the toolset used by CPCCo to evaluate opportunities to streamline mission execution, reduce cleanup environmental liability and shorten lifecycle schedules. A PREP requirement gathering session was held with key RL stakeholders including Federal Project Directors and Project Controls Officers. This session was valuable for informing key inputs, outputs and optimization parameters used by the PREP toolset. In the coming period, a similar requirement gathering session will be held with external regulatory stakeholders, creating the platform for a strong partnership and common commitment for open, transparent dialogues on how to improve cleanup outcomes. Through July, the backbone of the PREP toolset – the Hanford Lifecycle Cleanup Baseline reference data set – had not been provided to CPCCo, but it is anticipated to be released by HMIS in fiscal month August.

Chief Engineer Organization: The Chief Engineer organization continued progress in key staffing actions including onboarding new hires to backfill attrition and staff openings in Engineering, Nuclear Safety, Training and Work Control. A long-term Central Engineering Manager and Waste Projects and Operations Engineering Manager have been recruited and will start work in August. A parent company-staffed Independent Assessment of the CPCCo Nuclear Safety Function has been completed, and the final report and recommendations have been input into the Integrated Contractor Assurance System. These recommendations will form the basis of a Nuclear Safety Program Improvement Plan. Challenges continue with getting qualified candidates to apply to CPCCo Nuclear Safety and Fire Protection engineering openings. Long-term strategies are in progress including hiring Co-Op students and recent college graduates that can be trained and qualified over time. In the near term CPCCo will continue to rely on contracted nuclear safety resources. Rebranding and updates to the procedures suite are progressing well company wide.

MAJOR ISSUES

Refer to Sections A through G and Appendix B of this report for the project-specific major issues.

FUNDING ANALYSIS

PBS	Project	Projected Funding	Spending Forecast	Variance
RL-0011	Nuclear Materials Stabilization and Disposition	30.6	28.2	2.3
RL-0013	Solid Waste Stabilization and Disposition	132.2	124.6	7.6
RL-0013	W-135 WESF Mods 18-D-404	27.0	10.9	16.1
RL-0030	Soil, Groundwater and Vadose Zone Remediation	78.5	74.8	3.7
RL-0201	Hanford Sitewide Services	2.3	1.5	0.8
RL-0040	Nuclear Facility D&D, Remainder of Hanford	57.9	52.4	5.5
RL-0041	Nuclear Facility D&D, River Corridor	98.4	92.3	6.1
RL-0042	Fast Flux Test Facility Closure	3.0	2.5	0.5
Total Fiscal Year Spending Forecast		429.8	387.2	42.6

Values are rounded to the nearest \$0.1 million.

Funds/Variance Analysis:

FY2021 projected funding of \$429.8 million incorporates an increase from last month of \$17.4 million primarily attributed to the paid time bank (PTB) and sick leave liability transfer from the Plateau Remediation Contract (PRC) to Central Plateau Cleanup Company. The spending forecast of \$387.2 million reflects an increase of \$17.5 million primarily for the PTB and sick leave liability transfer offset by efficiencies realized in July.

SCOPE, SCHEDULE AND COST VARIANCE

	\$M						\$M						\$M		
	Current Period					Contract to Date					Contract Period				
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance						
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance		
RL-0011 - Nuclear Materials Stab & Disp PFP	0.9	1.4	4.6	0.6	(3.1)	148.0	139.9	190.5	(8.1)	(50.6)	149.0	206.5	(57.4)		
RL-0013 - Solid Waste Stab & Disposition	27.3	23.1	22.4	(4.2)	0.7	106.9	93.8	88.1	(13.0)	5.8	146.2	133.3	12.9		
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	17.4	14.3	12.9	(3.1)	1.4	65.2	55.6	47.4	(9.6)	8.2	86.6	77.5	9.1		
RL-0040 - Nuc Fac D&D - Remainder	12.7	7.4	8.7	(5.3)	(1.3)	50.2	33.4	38.8	(16.8)	(5.4)	68.8	67.8	1.0		
RL-0041 - Nuc Fac D&D - RC Closure Project	19.1	15.9	17.3	(3.2)	(1.3)	74.2	65.8	67.9	(8.4)	(2.1)	100.8	98.6	2.2		
RL-0042 - Nuc Fac D&D - FFTF Project	0.4	0.3	0.2	(0.1)	0.0	1.5	1.4	1.7	(0.1)	(0.3)	2.4	2.6	(0.2)		
RL-0201 - Hanford Site-Wide Services	0.1	0.1	0.1	-	0.0	0.6	0.6	1.0	-	(0.4)	0.9	1.7	(0.8)		
(Values are rounded to the nearest \$0.1M)	Tt	77.8	62.5	66.2	(15.3)	(3.7)	446.6	390.6	435.4	(56.0)	(44.8)	554.7	587.9	(33.1)	
RL-0011 includes RL-011.C2-CAP from the PRC (BCWS = 142.5, BCWP = 128.6, and ACWP = 172.5).															

Currently, a variance at completion of -\$33.1 million is projected. This is primarily due to the PFP capital asset performance data being carried from the PRC. For July, the project was 19.7 percent behind schedule and 5.9 percent above planned cost. Contract to date, the project was 12.5 percent behind schedule and 11.5 percent above planned cost. Most of the contract to date variance is due to the PFP capital asset project, which includes PRC historical performance data as required per DOE O 413.3B, *Program and Project Management for the Acquisition of Capital Assets*.

SUBCONTRACTED WORK

In compliance with the requirements of Section H.50 clause "Subcontracted Work," and Section J, Attachment J-6, "Master Small Business Subcontracting Plan," small business contracting goals are reported here.

Small Business Performance – Master Plan

Cumulative Value			
Row Labels	Award Value	% of total	Goal %
Small Business (SB)	\$ 46.4	72.6%	60.0%
Veteran Owned Small Business (VOSB)	\$ 7.4	11.6%	3.0%
Service-Disabled Veteran Owned (SDVO)	\$ 6.5	10.2%	3.0%
Historically Underutilized business (HUB)	\$ 3.7	5.9%	3.0%
Small Disadvantaged Business (SDB)	\$ 16.0	24.9%	5.0%
Small Women Owned Business (SWOB)	\$ 6.0	9.4%	5.0%
Total	\$ 64.0	100%	

Values are rounded to the nearest \$0.1M.

- 60 percent of all subcontracted dollars are to go to small businesses on a cumulative basis.
- CPCCo has been issued two tasks through the end of the current reporting period. Task Order 1 was for transition and predates the start of contract operations. Only T02 award values are contained in the reporting.
- The chart shows CPCCo awards to date have met or exceeded the percentage of award made for most categories, indicating a positive trend in small business performance. In some cases, CPCCo has already exceeded the total dollar goal for the entire task.

Small Business Performance – T02

T02				
Row Labels	Award Value	% of total	Goal %	Goal \$
VOSB	\$ 7.4	11.6%	3.0%	\$ 1.1
SDVO	\$ 6.5	10.2%	3.0%	\$ 1.1
HUB	\$ 3.7	5.9%	3.0%	\$ 1.1
SDB	\$ 16.0	24.9%	5.0%	\$ 1.8
SWOB	\$ 6.0	9.4%	5.0%	\$ 1.8
Total Subcontracted	\$ 64.0	100%		\$ 35.5

Values are rounded to the nearest \$0.1M.

- The goal dollars contained in the chart above represent the total goal contained in Attachment J.6 of the Task Order Release.

Cumulative Small Business Performance

Cumulative Small Business Performance	
Cumulative Contract Value	\$ 418.6
Small Business Cumulative Goal	18.0%
Total Goal	\$ 73.4
Small Business Cumulative Performance	\$ 46.4

Values are rounded to the nearest \$0.1M.

- The Master Small Business Subcontracting Plan includes a requirement that 18 percent of the total contract value be awarded to small businesses. With the issuance and extension of T02, the total cost available for work performance is included in the table and represents both the task order amount and the cumulative amount.
- Goal is measured against total contract value, including fee available to CPCCo.

Competitive Performance

Competition Performance on Awards > \$25K				
	Award Value	Award %	Award Count	Count %
Competitive Awards	\$ 20.1	70.7%	74	48.4%
Noncompetitive Awards	\$ 8.3	29.3%	79	51.6%
Total	\$ 28.4		153	

Values are rounded to the nearest \$0.1M.

- CPCCo has placed an emphasis on obtaining competition when making new awards.
- Measure only includes actions that exceed \$25K.

Pricing Type

Pricing Type Performance		
Pricing Type	Award Value	% of total
Firm-Fixed Price (FFP)	\$ 40.7	63.7%
Non FFP	\$ 23.2	36.3%
Total	\$ 64.0	

Values are rounded to the nearest \$0.1M.

- CPCCo has made it a priority to issue new awards using a FFP type of contract to the maximum extent practicable. 100 percent of new awards issued by CPCCo in June were made on a fixed price basis.

CURRENT CORRECTIVE ACTIONS**Projects**

Refer to Sections A through G and Appendix B of this report for the project-specific corrective actions.

SAFETY AND QUALITY

No safety or quality issues have emerged or persisted during July.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

Contract Section	GFS/I	Status
J.11 GF0001/ C.6.3.15.2, <i>Real Property Asset Management</i>	Guidance and implementing direction for real property data related to operations and maintenance.	Annually
J.11 GF0002/ C.6.3.15.2, <i>Real Property Asset Management</i>	DOE-Headquarters will provide guidance on the Facilities Information Management System data validation.	Annually
J.11 GF0003/ C.6.3.16, <i>Closure and Post-Cleanup Surveillance and Maintenance</i>	DOE will furnish one of the independent experts for the closure review(s).	As required
J.11 GF0004/ C.5.1, <i>Modeling and Risk Assessments</i>	DOE will provide groundwater risk assessment and modeling software programs such as P2R, STOMP, MODFLOW, MT3DMS, and GoldSim® Pro.	As required
J.11 GF0005/ H.54, <i>Environmental Compliance</i>	DOE will provide copies of all documentation (e.g., letters, reports and other materials) transmitted either to or from regulatory agencies relating to the contract work.	As required
J.11 GF0006/ H.38, <i>DOE-H-2063, Confidentiality of Information (Oct 2014)</i>	Documents furnished by the government to the contractor may contain Unclassified Controlled Nuclear Information as determined pursuant to Section 148 of the <i>Atomic Energy Act of 1954</i> .	As required

Section A

Nuclear Materials Stabilization and Disposition of PFP (RL-0011)

July 2021

CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

SIGNIFICANT ACCOMPLISHMENTS

The Inner Area End States Plutonium Finishing Plant (PFP) project team continued demolition and waste loadout of the 236-Z Plutonium Reclamation Facility (PRF) debris pile and remaining ancillary structures. A total of 53 roll-on/roll-off (RO/RO) containers were loaded with PRF debris and 73 RO/RO containers containing 236-Z debris were shipped for disposal to the Environmental Restoration Disposal Facility in the month of July.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

SAFETY PERFORMANCE

	Current Month	Contract to Date*	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	4	7/7/2021 - Employee caught thumb in the car door when the wind blew it closed. (40100)
Near Misses	0	0	N/A

*The 12-month rolling averages and cumulative totals cannot be used until enough data is available.

MAJOR ISSUES

None currently identified.

KEY RISKS

●	Opportunity is currently realized, or mitigation efforts are currently working toward or after risk trigger with no foreseeable impacts.	↑	Increased Confidence	New Risk
●	Mitigation efforts are currently working toward a risk trigger with the possibility of actions not in place prior to a risk occurrence. Recovery actions may be needed.	↔	No Change	Change
●	Risk is currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery action needed.	↓	Decreased Confidence	

	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0011				
Explanation of major changes to the project monthly stoplight chart: No major changes to the stoplight chart in July.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks identified in July.				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed.)				
No critical risks identified in July.				

	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0011										
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)										
PFP-0001-T: Unavailable Resources	The project lacks adequate resource coverage to complete work package development and fieldwork activities. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$123K, 120 days			<p>Risk Trigger: Shortage of resources leads to the project’s inability to complete planned fieldwork.</p> <table border="1"><thead><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>Monitor and maintain adequate staffing levels to completed planned work scope.</td><td>Ongoing</td><td>N/A</td></tr></tbody></table> <p>Mitigation Assessment: No major changes in July. Resources have been reallocated to PFP from other Central Plateau Cleanup Company projects. This risk was identified as a key risk for fiscal year (FY) 2021. While no discrete mitigation actions have currently been identified, the project continues to monitor staffing levels closely.</p>	Mitigation Action(s)	FC Date	%	Monitor and maintain adequate staffing levels to completed planned work scope.	Ongoing	N/A
Mitigation Action(s)	FC Date	%								
Monitor and maintain adequate staffing levels to completed planned work scope.	Ongoing	N/A								
PFP-0009-T: Bump and Roll, LAMP, or Other Contractor Hiring of Bargaining Unit Employees	Hanford Atomic Metal Trades Council (HAMTC) labor resources are not available or unqualified due to the bump and roll, LAMP (Labor Assets Management Program) or other job postings, resulting in schedule impacts to the project. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$0, 48 days			<p>Risk Trigger: Shortage of HAMTC resources leads to project inability to complete planned fieldwork.</p> <table border="1"><thead><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>Monitor and maintain adequate staffing levels to completed planned work scope.</td><td>Ongoing</td><td>N/A</td></tr></tbody></table> <p>Mitigation Assessment: No major changes in July. This risk was identified as a key risk for FY2021. While no discrete mitigation actions have currently been identified, the project continues to monitor staffing levels closely and potential upcoming bump and rolls or LAMPs.</p>	Mitigation Action(s)	FC Date	%	Monitor and maintain adequate staffing levels to completed planned work scope.	Ongoing	N/A
Mitigation Action(s)	FC Date	%								
Monitor and maintain adequate staffing levels to completed planned work scope.	Ongoing	N/A								
FY2021 Key Risks										
No key risks identified in July.										
Unassigned Risks (Pending ownership of identified threats/opportunities)										
No unassigned risks identified in July.										

SUBCONTRACTED WORK

Refer to the Overview for Subcontracted Work metric.

PROJECT BASELINE PERFORMANCE

Current Month (CM)

RL-0011	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.9	1.4	4.6	0.6	63.7%	(3.1)	-220.4%

Numbers are rounded to the nearest \$0.1 million.

Contract to Date (CTD)

RL-0011	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)	Estimate at Completion (EAC)	Estimate to Complete (ETC)	Variance at Completion (VAC)
Total	148.0	139.9	190.5	(8.1)	-5.5%	(50.6)	-36.2%	149.0	206.5	16.0	(57.4)

Numbers are rounded to the nearest \$0.1 million.

RL-0011 includes RL-011.C2-CAP from the Plateau Remediation Contract (BCWS = 142.5, BCWP = 128.6, and ACWP = 172.5).

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST

RL-0011	Projected Funding	Spending Forecast	Variance
Nuclear Materials Stabilization & Disposition	30.6	28.2	2.3

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The FY2021 variance of \$2.3 million reflects projected funding of \$30.6 million and a spending forecast of \$28.2 million. Projected funding incorporates a reallocation of funds within the Central Plateau control point, increasing RL-0011 funding by \$10.5 million.

Contract Funds Status Report is provided in Appendix C.

Critical Path Analysis

The PFP critical path schedule begins with the completion of PRF loadout, which is forecast to occur by September 14, 2021, meeting some of the requirements of the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) Milestone M-083-00A, "Plutonium Finishing Plant (PFP) Facility Transition and Selected Disposition Activities." Demolition completion will be followed by site stabilization and demobilization, turnover to surveillance and maintenance and project closeout activities, completing by November 29, 2021.

CHANGE CONTROL

Change Number	Title	Summary of Change
N/A	N/A	N/A
Change to allocated (distributed) budget: No changes in July. Change to management reserve (MR): No changes in July.		

MILESTONE STATUS

The following table is a look ahead at the FY2021 Tri-Party Agreement-enforceable milestones, nonenforceable target due dates and commitments for RL-0011.

Number	Title	Due Date	Actual Date	Forecast Date	Status/Comment
M-083-00A	Plutonium Finishing Plant (PFP) Facility Transition and Selected Disposition Activities	9/30/2017		11/18/2021	Work resumption was planned in the revised DOE O 413.3B, <i>Program and Project Management for the Acquisition of Capital Assets</i> , Critical Decision (CD)-2 and CD-3 package for early October 2020 based on a phased resumption of work approach and to conserve personal protective equipment in response to coronavirus impacts. The forecast date reflects the impacts for an additional 31 workdays to complete the size reduction and loadout of the 236-Z debris pile that had been underestimated.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

DOE activities supporting the approval of ancillary facility status change forms are complete to date.

Section B

Solid Waste Stabilization and Disposition (RL-0013)

July 2021

CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

SIGNIFICANT ACCOMPLISHMENTS

W-135 Management of Cesium and Strontium Capsules (MCSC) Project

The Waste Encapsulation and Storage Facility (WESF) Modification's construction contractor continued installation of base plates and brackets in the WESF canyon to support welding equipment, removal of mechanical and electrical equipment in truck port and removal of asphalt on the truck port apron. The Cask Storage System (CSS) contractor completed lead pours for the dry transfer system and continued fabrication of CSS transfer and ancillary equipment.

Waste Projects & Operations

At the Canister Storage Building (CSB) the team completed testing the multi-canister overpack handling machine crane. Solid Waste Operations Complex (SWOC) maintenance teams completed installation of scaffolding and removed sections of insulation from the mixed-waste trench (MWT) leachate tanks to facilitate third-party inspection. The maintenance organizations supported the new manipulator installation at the W-135 mockup. At T Plant, the team completed the first filter media sludge transport and storage container (STSC) unloading and began loading the next STSC into the cask trailer. At WESF, upgrade and replacement of WESF pool cell area radiation monitors have been initiated. At the Central Waste Complex (CWC), the team completed 2403WD roof repairs, and CWC Operations relocated 11 concrete cylinder transuranic mixed waste (TRUM) containers from the Outside Storage Area (OSA) A to waste storage building 2403-WB in support of the removal of all mixed waste containers from OSA A and OSA B.

Waste and Transport services supported the CWC Operations in the shipment of two low gram transuranic (TRU) waste boxes to Perma-Fix Northwest (PFNW). Three mixed low-level waste boxes from PFWN and 14 TRU waste drums from Pacific Northwest National Laboratory were received into MWT-31 and five TRU waste boxes were shipped to PFWN from CWC.

The Environmental Restoration Disposal Facility (ERDF) received 17,562 tons of waste for disposal and completed all quarterly U.S. Department of Transportation (DOT) vehicle inspections. The Integrated Disposal Facility (IDF) operations and maintenance team completed the monthly and seven significant storm event inspections as well as pumping down the leachate collection and removal sumps for cells 1 and 2. The IDF operational readiness efforts are focusing on the following items: ongoing supervisory control and data acquisition installation, replacement of the leachate tank liners, floor repairs in the leachate facilities, permitting and developing procedures and waste management process.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
21-EMS-WFMP-OBJ1-P1	T Plant Complex will receive three filter media STSC shipments.	Each filter media STSC shipment will constitute one-third of completion of the objective, approximately 33 percent each.	9/30/2021	33%
21-EMS-WFMP-OBJ3-P1	Waste and Fuels Management Project will complete CSA construction.	Completion of each of the five primary activities will constitute 20 percent completion of the objective.	9/30/2021	100%
21-EMS-RRMP-OBJ1-P1	Track maintenance/recycling activities at ERDF (e.g., used oil recycling, tires, batteries and product drums).	On a quarterly basis, track the maintenance recycling activities of the ERDF subcontractor and the transportation organization.*	9/30/2021	80%

*Includes progress made under Plateau Remediation Contract (PRC) prior to the start of the Central Plateau Cleanup Contract (CPCC).

SAFETY PERFORMANCE

	Current Month	Contract to Date*	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	7	7/13/2021 – Employee was evaluated due to swelling and irritation of insect bites. (40104)
Near Misses	0	0	N/A

*The 12-month rolling averages and cumulative totals cannot be used until enough data is available.

MAJOR ISSUES

Issue

SWOC facilities currently do not have authorized approval to ship TRU/TRUM waste containers to PFNW.

Corrective Action

DOE has developed and applied for a DOT Special Permit that, if approved, will allow for the shipment of the large legacy TRU containers to PFNW. Approval and implementation of the Special Permit must be complete before shipments can resume.

Status

DOE completed the application for the DOT Special Permit and submitted it to DOT on May 7, 2021. DOT has up to 120 days to respond to the applicant.



KEY RISKS

●	Opportunity is currently realized, or mitigation efforts are currently working toward or after risk trigger with no foreseeable impacts.	↑	Increased Confidence	New Risk
●	Mitigation efforts are currently working toward a risk trigger with the possibility of actions not in place prior to a risk occurrence. Recovery actions may be needed.	↔	No Change	Change
●	Risk is currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery action needed.	↓	Decreased Confidence	

Risk Title	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0013/WBS-013										
Explanation of major changes to the project monthly stoplight chart: No major changes to the stoplight chart in July.										
Realized Risks (Risks that are currently impacting project cost/schedule)										
CSS-0011-T: Novel Viral Pandemic (COVID-19) Impacts CSS Subcontractor Fabrication	Unprecedented change in work practices/procedures (e.g., social distancing requirements) or lack of resources because of coronavirus (COVID-19) impacts CSS project fabrication and/or performance. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$0M, 192 days	<div><div></div></div>	<div><div></div></div>	<div>Risk Event: Subcontractor for CSS equipment fabrication has experienced loss of resources due to positive COVID-19 tests, or supply chain delays due to COVID-19, adversely affecting the schedule to complete fabrication activities.<table><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Subcontractor to manage resources to mitigate impacts for fabrication of critical path equipment.</td><td>Ongoing</td><td>N/A</td></tr></table></div> <div>Recovery Action Assessment: No significant changes in July. The fabrication subcontractor for critical path equipment is taking the following actions as necessary when workers are not available due to COVID-19: Adjust assignment of key resources that are available to maintain progress on critical path and near critical path equipment, hire additional temporary resources, subcontract some portions of the work and schedule overtime to meet key dates. This risk continues to be realized as workers are impacted by COVID-19 and vendors work to clear their backlog. Some materials needed for fabrication are having supply chain delays due to COVID-19 (steel and some electronics). Fabricators are adjusting schedule logic to attempt to minimize impacts to the extent possible.</div>	Risk Recovery Action(s)	FC Date	%	Subcontractor to manage resources to mitigate impacts for fabrication of critical path equipment.	Ongoing	N/A
Risk Recovery Action(s)	FC Date	%								
Subcontractor to manage resources to mitigate impacts for fabrication of critical path equipment.	Ongoing	N/A								

Risk Title	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-0013/WBS-013													
CSS-0012-T: CSS Design Changes	<p>During fabrication of the CSS equipment, necessary design changes are identified, resulting in cost and schedule impacts to the project.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Likely (75% to 90%)</p> <p>Worst Case Impacts: \$750K, 96 days</p>	<div></div>	<div></div>	<p>Risk Event: Design changes for the CSS equipment have been identified by the Central Plateau Cleanup Company (CPCCo) engineering and the equipment designer that will improve ease of fabrication, decrease operational risk and improve occupational safety.</p> <table><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Evaluate each proposed change for necessity, cost and schedule impacts, as well as benefit prior to implementing change.</td><td>Ongoing</td><td>N/A</td></tr></table> <p>Recovery Action Assessment: No significant changes in July. As fabrication began, equipment designer identified design changes that were necessary for fabrication but required additional analysis and approval by the project to implement, resulting in a schedule delay. Additionally, CPCCo engineering staff assigned to other high-priority projects during the CSS design period have identified changes from previous lessons learned. These changes reduce operational risk and improve occupational safety but result in additional costs and schedule delays. Mitigation is for CPCCo engineering to perform a cost/benefit analysis for future changes so that they can be evaluated prior to requesting and implementing the change. Minor drawing changes have been communicated to the fabrication contractor for incorporation at the next drawing revision to avoid unnecessary diversion of critical resources from fabrication tasks.</p>	Risk Recovery Action(s)	FC Date	%	Evaluate each proposed change for necessity, cost and schedule impacts, as well as benefit prior to implementing change.	Ongoing	N/A			
Risk Recovery Action(s)	FC Date	%											
Evaluate each proposed change for necessity, cost and schedule impacts, as well as benefit prior to implementing change.	Ongoing	N/A											
CSS-006-T: Fabrication of Equipment from the Subcontractor	<p>Fabrication of critical items for the long-term storage of the Cs and Sr capsules does not go exactly as planned, resulting in design changes/re-work, leading to cost and schedule delays.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Likely (75% to 90%)</p> <p>Worst Case Impacts: \$750K, 96 days</p>	<div></div>	<div></div>	<p>Risk Event: CSS equipment fabrication has experienced difficulty in fabricating equipment to the tight tolerances required by the design due to the unique thermal properties of the capsules.</p> <table><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Implement additional oversight on critical vendors to prevent errors. .</td><td>On going</td><td>0</td></tr><tr><td>Evaluate design to determine if fabrication tolerances can be changed to ease fabrication.</td><td>On going</td><td>0</td></tr></table> <p>Recovery Action Assessment: The potential for recovery actions are being discussed and will be included in the next reporting period.</p>	Risk Recovery Action(s)	FC Date	%	Implement additional oversight on critical vendors to prevent errors. .	On going	0	Evaluate design to determine if fabrication tolerances can be changed to ease fabrication.	On going	0
Risk Recovery Action(s)	FC Date	%											
Implement additional oversight on critical vendors to prevent errors. .	On going	0											
Evaluate design to determine if fabrication tolerances can be changed to ease fabrication.	On going	0											
MODS-0001-T: Changes to CSS Equipment Impact WESF Modifications	<p>Changes to CSS or other buyer-furnished equipment impact WESF Modifications construction.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Very likely (>90%)</p> <p>Worst Case Impacts: \$750K, 48 days</p>	<div></div>	<div></div>	<p>Risk Event: Ongoing changes to CSS equipment designs are driving changes to WESF Modifications design that, in turn, will drive changes to WESF Modifications Project construction.</p> <table><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Revise the WESF Modifications design documents to reflect changes in design inputs from CSS equipment.</td><td>8/31/2021</td><td>80</td></tr><tr><td>Construct WESF Modifications to revised design documents.</td><td>6/14/2022</td><td>0</td></tr></table> <p>Recovery Action Assessment: No significant changes in July. There are design changes in process to CSS equipment by the subcontractor that will impact WESF Modifications project design. The recovery action is to safely and efficiently complete WESF Modifications design changes and the corresponding construction activities so as not to impact the overall W-135 Project critical path. The primary impacts are associated with the Automated Welding System (AWS) and the two evacuation and helium backfill systems (EHBS). WESF Modifications design changes were prepared and issued for AWS Gantry Bracket Installation and EHBS (x2). Once NAC issues the final AWS Gantry Assembly design (scheduled in mid-August) WESF design changes will be prepared and issued by August 31, 2021 to cover the balance of the AWS Gantry System installation.</p>	Risk Recovery Action(s)	FC Date	%	Revise the WESF Modifications design documents to reflect changes in design inputs from CSS equipment.	8/31/2021	80	Construct WESF Modifications to revised design documents.	6/14/2022	0
Risk Recovery Action(s)	FC Date	%											
Revise the WESF Modifications design documents to reflect changes in design inputs from CSS equipment.	8/31/2021	80											
Construct WESF Modifications to revised design documents.	6/14/2022	0											

Risk Title	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-0013/WBS-013													
TRU-0004-T: Shipment Delays	<p>A project discovery or incident leads to shipments of waste being paused, resulting in schedule impacts to the project.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Very likely (>90%)</p> <p>Worst Case Impacts: \$0, 32 days</p>			<p>Risk Event: Planned fiscal year (FY) 2021 shipments are at risk for completion as they were delayed due to a stop-work in October 2020 and the implementation of subsequent recovery actions.</p> <table><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Evaluation of the Safety of the Situation implemented on the project.</td><td>5/03/2021</td><td>100</td></tr><tr><td>Implement BCR to remove Large Box TRU waste shipments and replace with mixed low-level waste shipments. This will be a net zero cost impact baseline change request (BCR).</td><td>4/28/2021</td><td>100</td></tr></table> <p>Recovery Action Assessment: The project has completed implementation of the identified risk recovery actions and began shipping small amounts of TRU waste containers. This risk will be removed from the spotlight chart next reporting period.</p>	Risk Recovery Action(s)	FC Date	%	Evaluation of the Safety of the Situation implemented on the project.	5/03/2021	100	Implement BCR to remove Large Box TRU waste shipments and replace with mixed low-level waste shipments. This will be a net zero cost impact baseline change request (BCR).	4/28/2021	100
Risk Recovery Action(s)	FC Date	%											
Evaluation of the Safety of the Situation implemented on the project.	5/03/2021	100											
Implement BCR to remove Large Box TRU waste shipments and replace with mixed low-level waste shipments. This will be a net zero cost impact baseline change request (BCR).	4/28/2021	100											
IDF-0002-T: Aging Systems/Components	<p>Problems with building systems/components (e.g., mechanical/detection monitoring equipment, roofing/structures, tanks/liners etc.) result in inoperability or requires unscheduled maintenance/outages, resulting in cost impacts.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Very likely (>90%)</p> <p>Worst Case Impacts: \$513.5K, 0 days</p>			<p>Risk Event: The visual inspection of the Leachate Collection Tank primary liner revealed numerous holes, and the destructive examination test resulted in the tensile test not fully passing on either tank.</p> <table><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Select vendor and place order to install new primary liner</td><td>5/20/2021</td><td>100</td></tr><tr><td>Replace primary liner in both tanks</td><td>8/24/2021</td><td>15</td></tr></table> <p>Recovery Action Assessment: A vendor has been selected and an order placed to install a new primary tank liner. Material fabrication is in progress with installation expecting to begin in mid-July.</p>	Risk Recovery Action(s)	FC Date	%	Select vendor and place order to install new primary liner	5/20/2021	100	Replace primary liner in both tanks	8/24/2021	15
Risk Recovery Action(s)	FC Date	%											
Select vendor and place order to install new primary liner	5/20/2021	100											
Replace primary liner in both tanks	8/24/2021	15											
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)													
No critical risks identified in July .													
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)													
TPLANT-0001-T: Major Equipment Failure – T Plant	<p>T Plant suffers a major equipment failure (e.g., crane, primary power supply), resulting in cost impacts and schedule delays.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Somewhat likely (26% to 74%)</p> <p>Worst Case Impacts: \$3M, 96 days</p>			<p>Risk Trigger Metric: During planned facility operation activities, a suspected system component is discovered that requires attention or an unexpected malfunction results in this risk being realized.</p> <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Assess and procure additional spare parts as necessary.</td><td>Ongoing</td><td>N/A</td></tr></table> <p>Mitigation Assessment: No major changes in July. The project has commenced mitigating strategies (i.e., aggressive surveillance and maintenance activities) to help reduce this risk. The canyon crane is currently operational, and spare parts have been procured for the most critical spares. Additional spare parts will continue to be procured in FY2021.</p>	Mitigation Action(s)	FC Date	%	Assess and procure additional spare parts as necessary.	Ongoing	N/A			
Mitigation Action(s)	FC Date	%											
Assess and procure additional spare parts as necessary.	Ongoing	N/A											
CWC-0003-T: Multi-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	<p>A pause in waste processing results in an unexpected container degradation within the SWOC (excluding TRU retrieval activities) and requires additional resources to respond.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Somewhat likely (26% to 74%)</p> <p>Worst Case Impacts: \$5M, 0 days</p>			<p>Risk Trigger Metric: Degraded containers are discovered in CWC.</p> <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Perform daily/weekly waste container surveillances to identify container abnormalities.</td><td>Ongoing</td><td>N/A</td></tr><tr><td>Mine/retrieve and overpack 50 containers (FY2021).</td><td>9/30/2021</td><td>28</td></tr></table> <p>Mitigation Assessment: No major changes in July. Surveillances continue to be performed for the project to identify container and container-cover abnormalities. Surveillance and enhanced monitoring is required on the remaining containers. Fifty containers are planned to be overpacked starting in late spring FY2021, reducing the risk of container integrity issues. Fourteen of 50 overpack containers have been completed to date.</p>	Mitigation Action(s)	FC Date	%	Perform daily/weekly waste container surveillances to identify container abnormalities.	Ongoing	N/A	Mine/retrieve and overpack 50 containers (FY2021).	9/30/2021	28
Mitigation Action(s)	FC Date	%											
Perform daily/weekly waste container surveillances to identify container abnormalities.	Ongoing	N/A											
Mine/retrieve and overpack 50 containers (FY2021).	9/30/2021	28											

Risk Title	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0013/WBS-013										
FY2021 Key Risks										
RL13 IDF-0009-T: RCRA Permit Process Impact Final Design to Dangerous Waste Management Units (DWMU) Components	<p>Changes identified in the <i>Resource Conservation and Recovery Act of 1976</i> (RCRA) Permit process have a direct impact to the final design of components identified within the DWMU, resulting in cost and schedule delays.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Unlikely (10% to 24%)</p> <p>Worst Case Impacts: \$250K, 32 days</p>			<p>Risk Trigger Metric: During review of the RCRA Permit documentation, the Washington State Department of Ecology (Ecology) finds issues to DWMU components already installed, resulting in design changes.</p> <table border="1"><thead><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>Working with state regulators to negotiate the acceptance of the current Leachate Collection Tank (LCT) design into the RCRA Permit, without modifications to the existing tank system.</td><td>TBD</td><td>N/A</td></tr></tbody></table> <p>Mitigation Assessment: No significant change in July. This risk has been identified as a key project risk for FY2021. The current LCT design is at risk of modifications to meeting the regulatory RCRA Permit design requirements. Negotiations are still in process. If negotiations are not successful, this risk may be triggered, resulting in in-scope and unplanned work to facilitate the modifications and fabrication.</p>	Mitigation Action(s)	FC Date	%	Working with state regulators to negotiate the acceptance of the current Leachate Collection Tank (LCT) design into the RCRA Permit, without modifications to the existing tank system.	TBD	N/A
Mitigation Action(s)	FC Date	%								
Working with state regulators to negotiate the acceptance of the current Leachate Collection Tank (LCT) design into the RCRA Permit, without modifications to the existing tank system.	TBD	N/A								
Unassigned Risks (Pending ownership of identified risks/opportunities)										
No unassigned risks identified in July .										

SUBCONTRACTED WORK

Refer to the Overview for Subcontracted Work metric.

PROJECT BASELINE PERFORMANCE

Current Month (CM)

RL-0013	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	27.3	23.1	22.4	(4.2)	-15.3%	0.7	3.2%

Numbers are rounded to the nearest \$0.1 million.

Contract to Date (CTD)

RL-0013	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)	Estimate at Completion (EAC)	Estimate to Complete (ETC)	Variance at Completion (VAC)
Total	106.9	93.8	88.1	(13.0)	-12.2%	5.8	6.1%	146.2	133.3	45.2	12.9

Numbers are rounded to the nearest \$0.1 million.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST

RL-0013	Projected Funding	Spending Forecast	Variance
Waste Stabilization & Disposition	132.2	124.6	7.6
W-135 WESF Modifications (Line Item)	27.0	10.9	16.1
RL-0013 – Total	159.2	135.4	23.7
Numbers are rounded to the nearest \$0.1 million.			

Funds/Variance Analysis

The FY2021 projected funding of \$159.2 million incorporates an overall increase of \$3.7 million from last month. This includes addition of \$7.3 million for the paid time bank (PTB) and sick leave liability transfer from PRC to CPCC and a decrease of \$2.7 million as part of the reallocation of funds in the Central Plateau control point. The variance of \$23.7 million reflects a spending forecast of \$135.4 million. Of this variance, \$16.1 million is for line-item funding.

Contract Funds Status Report is provided in Appendix C.

Critical Path Analysis

Critical path analysis will be provided upon request.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-018	PTB & Sick Leave Liability Transfer	This baseline change request (BCR) implemented a task order modification to incorporate the transferred leave liability balance from the PRC to the CPCC. This BCR increased the performance measurement baseline (PMB) in this control account by \$7,271.7K.
BCR-CPC-21-019	HPIC Updates July 2021	This BCR incorporated Hanford Programs Integrated Control Module (HPIC) updates. This BCR did not change the PMB value.
Change to allocated (distributed) budget: Increased the PMB by \$7,217.7K. Change to management reserve: No change in July.		

MILESTONE STATUS

The following table is a look ahead at FY2021 *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement)-enforceable milestones, nonenforceable target due dates and commitments for RL-0013.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-03O	TPA M-091-03O Submit Revision of TRUM Waste and Mixed Low-level Waste to Ecology	9/30/2021		9/30/2021	On Schedule
M-091-52-T02	TPA M-091-52-T02 Submit to Ecology an Interim Response Action to meet M-091-49A	9/30/2021		9/30/2021	On Schedule Tentative agreement was signed on 2/10/2021. The milestone due date will move to 9/30/2028 once negotiated.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

Description	CPCCo Delivery Date	Expected RL Due Date
RL Approve IDF Final Hazard Categorization	8/3/2020(A)*	11/10/2021

*Delivered to RL under PRC prior to the start of the CPCC.

Section C

Soil and Groundwater Remediation Project (RL-0030)

July 2021

CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

SIGNIFICANT ACCOMPLISHMENTS

Soil & Groundwater Operations continued progress on decision documents, routine sampling analysis, well drilling and pump and treat (P&T) operations. Groundwater treatment and well drilling (including development) that was completed includes the following:

P&T Operations

Treatment Facility	Million Gallons Treated		Chrome (kg)		Carbon Tet (kg)		Tech-99 (pCi)		Uranium (kg)	
	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD
DX P&T	32.0	306.8	1.4	15.3						
HX P&T	28.0	54.6	2.7	33.4						
KR-4 P&T	5.7	113.6	0.1	1.4						
KW P&T	5.2	113.4	0.2	4.5						
KX P&T	27.0	254.2	1.1	11.1						
200 West P&T	101.3	1,041.9	1.3	8.0	154	1,590	1.82x10 ¹¹	18.2 x10 ¹¹	9.1	81.1
Combined	199.1	2,084.5	6.7	73.6	154	1,590	1.82x10 ¹¹	18.2 x10 ¹¹	9.1	81.1
FY2021 Gold Metric	--	2,200.0	--	80.0	--	1,800.0	--	2.4Ci	--	90.0

Current month (CM) Fiscal year (FY) to date (TD)

Well Drilling

Well Drilling Completion by Area*	FY2021 Planned	Current Calendar Month	FY2021 Cumulative
100-KR-4	1	0	0
100-HR-3	6	0	3
100-NR-2	1	0	0
M-24 Milestone	22	1	7
200-DV-1	2	0	1
200-ZP-1	7	1	2
Total FY2021 Wells	39	2	13
Site Wide Boreholes	2	0	2

*Well drilling "completion" indicates achieving all drilling activities (drill, construct, develop and complete).

200-WA-1

- Held a workshop for the Draft Conceptual Site Model (CSM) Group 7 Representative Analogous Site Coordinating Agency Liaison sites with the U.S. Department of Energy (DOE), Richland Operations Office (RL). Agreement was reached on the representative sites, and the next workshop session will be held with the U.S. Environmental Protection Agency (EPA) in attendance.

100-BC

- Restarted efforts on the remedial design/remedial action work plan (RD/RAWP). The document is 60 percent complete. The project intends to have the Decisional Draft ready for RL review by the end of the FY.

100-N

- Comment disposition is ongoing for the Draft B Remedial Investigation/Feasibility Study (RI/FS) report. Responses have been provided for all comments. There are 255 comments closed, and the Washington State Department of Ecology (Ecology) is reviewing 116 responses.
- While waiting for further feedback from Ecology on comment dispositions, the team began converting the text for strontium-90 options in the FS from a technical impracticability (TI) waiver to monitored natural attenuation (MNA).
- Completed sampling of bioremediation groundwater monitoring wells, except for well 199-N-167, which will need repair. Parts have been ordered and the repair will be scheduled once all materials are available.

M-24 Opportunistic Sampling

- Completed all five sampling and analysis instructions for 200 East Area sampling and started on sampling and analysis instruction preparation for the 200 West Area.

200-DV-1

- Completed well construction and well development on the first of two perched water extraction wells (well 299-E33-269) on July 7, 2021.

200-ZP-1

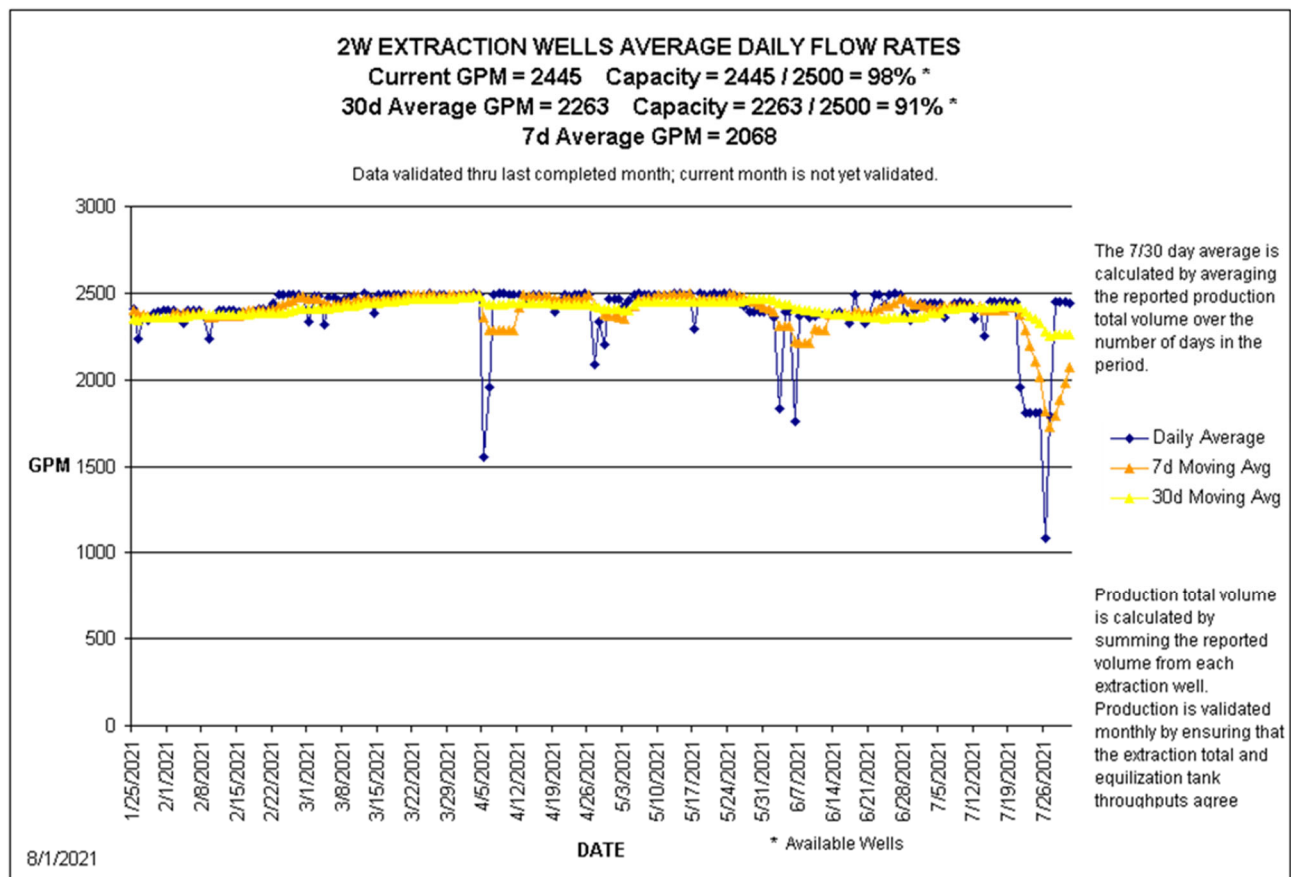
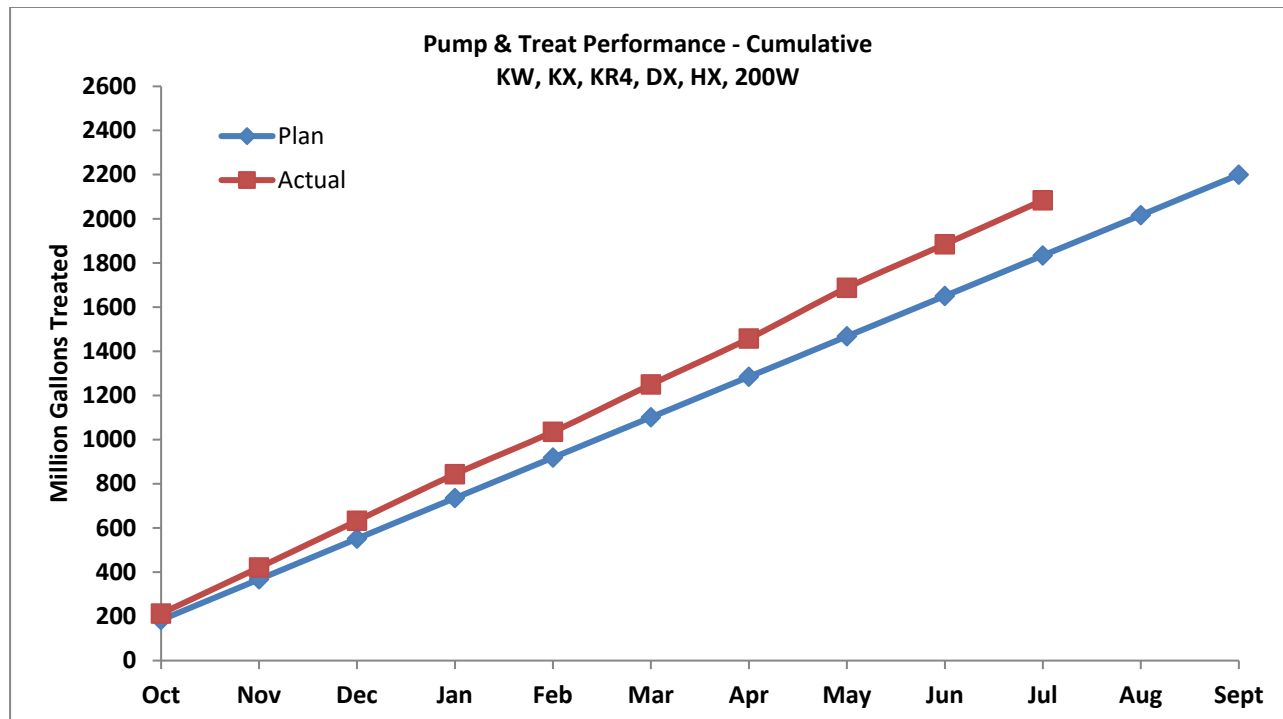
- Completed well construction and development of Ringold Formation member of Wooded Island monitoring well 699-46-70 on July 22, 2021.
- Briefed RL on third quarter injection well performance on July 22, 2021. The quarterly average injection flow capacity continues to improve each quarter and was 131.9 gpm/ft from April through June 2021. This is the highest flow rate since 2013.
- Updated EPA and Ecology on the optimization study progress on July 22, 2021. Highlights included the following:
 - Nitrate concentrations continue below three times the maximum contaminant level (MCL) as predicted.
 - Hexavalent chromium concentrations continue at steady state and below the MCL as predicted.
 - 200 West P&T Facility modifications continue as scheduled.
 - Completed groundwater modeling activities for FY2021 as documented in Environmental Calculation File ECF-200ZP1-21-0035, Revision 0.
- Received RL comments on DOE/RL-2020-54, *200-ZP-1 Operable Unit Rebound Study*, Decisional Draft, on June 22, 2021. Comment resolution is underway. A meeting is scheduled for July 29, 2021, to brief RL on the proposed resolutions.

200 West P&T

- Operated the 200 West Area P&T at an average of 2,268 gpm, below the facility capacity of 2,500 gpm.
- Completed layup activities associated with cleaning the splitter box.
- Commenced layup activities for the membrane bioreactors.

100 Area P&Ts

- Completed well realignment activities for conversion of extraction well 199-H1-32 to injection well 199-H1-32.
- Performed greenfield activities for new extraction wells 199-K-238, 199-D5-160, 199-H1-51 and 199-H3-33.
- Operated the DX P&T at 716 gpm, below the facility capacity of 775 gpm.
- Operated the KR-4 P&T at 127 gpm, below the facility capacity of 330 gpm.
- Operated the KW P&T at 117 gpm, below the facility capacity of 330 gpm.
- Operated the KX P&T at 605 gpm, below the facility capacity of 900 gpm.
- Operated the HX P&T at 626 gpm, below the facility capacity of 900 gpm.



EMS OBJECTIVE AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
21-EMS-SGRP-OBJ1-P1	Prevent adverse environmental impact to health and the environment by monitoring and confirming low carbon tetrachloride emissions at the 200 West P&T facility.	Evaluate treated off-gas analytical results from compliance sampling and process sampling each quarter.*	7/30/2021	75%
21-EMS-SGRP-OBJ2-P1	Soil and Groundwater Remediation Project operates six P&T facilities that remove contaminants from groundwater at the Hanford Site. The goal is to treat and remediate a total of 2.2 billion gallons of groundwater.	Track percent treated monthly.*	9/30/2021	95%

*Includes progress made under the Plateau Remediation Contract (PRC) prior to the start of the Central Plateau Cleanup Contract (CPCC).

SAFETY PERFORMANCE

	Current Month	Contract to Date*	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	0	N/A
Near Misses	0	0	N/A

*The 12-month rolling averages and cumulative totals cannot be used until enough data is available.





MAJOR ISSUES

None currently identified.

KEY RISKS

●	Opportunity is currently realized, or mitigation efforts are currently working toward or after risk trigger with no foreseeable impacts.	↑	Increased Confidence	New Risk
●	Mitigation efforts are currently working toward a risk trigger with the possibility of actions not in place prior to a risk occurrence. Recovery actions may be needed.	↔	No Change	Change
●	Risk is currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery action needed.	↓	Decreased Confidence	

Risk Title	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0030/WBS-030										
Explanation of major changes to the project monthly spotlight chart: No significant changes to the spotlight chart in July.										
Realized Risks (Risks that are currently impacting project cost/schedule)										
KR4-0002-T: KR4 – Technical Impracticability (TI) Waiver is Not Approved	TI wavier is an appropriate regulatory decision to deal with situations where applicable or relevant and appropriate requirements (ARARs) cannot be attained in a reasonable timeframe. The 100-KR-4 FS identifies that the Sr-90 groundwater cleanup value cannot be attained in a reasonable timeframe and a TI wavier is being sought. Risk Handling Strategy: Accept Probability: Somewhat Likely (25% to 75%) Worst Case Impacts: \$100.0K, 24 days	<div>●</div>	<div>↔</div>	<p>Risk Event: DOE and EPA determine the TI waiver should not be pursued. This will require rework to the 100-KR-4 Feasibility Study to remove the reference to TI and have MNA as the preferred alternative for Sr 90.</p> <table><tr><th>Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Perform rewrite to portions of the FS to capture the evaluation of TI</td><td>9/30/2021</td><td>0</td></tr></table> <p>Recovery Assessment: No significant changes in July. CPCCo has requested a 90-day extension from EPA to make changes to the FS to reflect the change from a TI waiver to MNA for Sr-90. During this time additional cost will be incurred for in-scope, unplanned work.</p>	Recovery Action(s)	FC Date	%	Perform rewrite to portions of the FS to capture the evaluation of TI	9/30/2021	0
Recovery Action(s)	FC Date	%								
Perform rewrite to portions of the FS to capture the evaluation of TI	9/30/2021	0								
KR4-0004-T: FS (Feasibility Study) - Greater Than Expected Comments from RL or Regulators	During the course of developing the RI/FS and Proposed Plan regulatory documents to obtain final remedial decisions; atypical comments from RL or Regulators or having to conduct multiple rounds of comment resolution require additional support and delay the approval / issuance of these documents. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$120.0K, 32 days	<div>●</div>	<div>↔</div>	<p>Risk Event: CPCCo receives more comments than planned from EPA on the Draft B FS, resulting in additional efforts to resolve comments.</p> <table><tr><th>Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>No viable recovery action has been identified outside of responding to the Regulator comments. Comment resolution will be resolved by the end of FY2021.</td><td>9/30/2021</td><td>0</td></tr></table> <p>Recovery Assessment: No significant changes in July. Comment resolution is being performed and on track to complete by 9/30/2021.</p>	Recovery Action(s)	FC Date	%	No viable recovery action has been identified outside of responding to the Regulator comments. Comment resolution will be resolved by the end of FY2021.	9/30/2021	0
Recovery Action(s)	FC Date	%								
No viable recovery action has been identified outside of responding to the Regulator comments. Comment resolution will be resolved by the end of FY2021.	9/30/2021	0								
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)										
No Critical Risks identified in July.										
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)										
No High Risks identified in July.										
FY2021 Key Risks										
100PT-0001-T: Major Equipment Failure at a 100 Area P&T Facility	A major equipment failure is experienced at one of the 100 Area P&T locations during operations of the facility or at the injection and extraction well network. This includes but is not limited to failure of centrifugal pumps, plastic pipe joint saddles, ion exchange vessels, tanks, computer system control center, extraction/injection wells and other related equipment supporting P&T. Risk Handling Strategy: Mitigate Probability: Unlikely (10% to 25%) Worst Case Impacts: \$1,000.0K, 0 days	<div>●</div>	<div>↔</div>	<p>Risk Event: During plant or well operation, major equipment or components of major equipment could fail and need to be replaced. If replacement equipment or components are not readily available and/or spare parts were not properly identified within the spare parts inventory, the result could be significant plant down time or reduced capacity.</p> <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>100 Area P&T operations have incorporated weekly, monthly and annual preventative maintenance activities in the baseline to assure reliability of equipment within the P&T facilities.</td><td>Ongoing</td><td>N/A</td></tr></table> <p>Mitigation Assessment: No significant change in July. The 100K Area P&T facilities is currently running at the planned capacity. Preventative and corrective maintenance activities planned for FY2021 have been performed, as needed, with no indications of a critical failure that require additional mitigations. This risk will continue to be monitored.</p>	Mitigation Action(s)	FC Date	%	100 Area P&T operations have incorporated weekly, monthly and annual preventative maintenance activities in the baseline to assure reliability of equipment within the P&T facilities.	Ongoing	N/A
Mitigation Action(s)	FC Date	%								
100 Area P&T operations have incorporated weekly, monthly and annual preventative maintenance activities in the baseline to assure reliability of equipment within the P&T facilities.	Ongoing	N/A								

Risk Title	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0030/WBS-030										
200PT-0001-T: Major Equipment Failure at a 200 Area Pump & Treat Facility	<p>A major equipment failure is experienced at one of the 200 Area P&T locations during operations of the facility or at the injection and extraction well network. This includes but is not limited to failure of plastic pipe joint saddles, tanks, air stripper, computer system control center, extraction/injection wells and other related equipment supporting P&T.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Unlikely (10% to 25%)</p> <p>Worst Case Impacts: \$1,000.0K, 0 days</p>			<p>Risk Event: During plant or well operation, major equipment or components of major equipment could fail and need to be replaced. If replacement equipment or components are not readily available and/or spare parts were not properly identified within the spare parts inventory, the result could be significant plant down time or reduced capacity.</p> <table border="1"><thead><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>200 Area P&T operations have incorporated weekly, monthly and annual preventative maintenance activities in the baseline to assure reliability of equipment within the P&T facilities.</td><td>Ongoing</td><td>N/A</td></tr></tbody></table> <p>Mitigation Assessment: No significant change in July. The 200K Area P&T facility is currently running at the planned capacity. Preventative and corrective maintenance activities planned for FY2021 have been performed, as needed, with no indications of a critical failure that require additional mitigations. This risk will continue to be monitored.</p>	Mitigation Action(s)	FC Date	%	200 Area P&T operations have incorporated weekly, monthly and annual preventative maintenance activities in the baseline to assure reliability of equipment within the P&T facilities.	Ongoing	N/A
Mitigation Action(s)	FC Date	%								
200 Area P&T operations have incorporated weekly, monthly and annual preventative maintenance activities in the baseline to assure reliability of equipment within the P&T facilities.	Ongoing	N/A								
DRL-0007-T: Lack of Qualified Drilling Contractors	<p>Availability of qualified drilling bidders to perform the FY2021 drilling scope becomes hindered, resulting in cost and schedule impacts.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Unlikely (10% to 25%)</p> <p>Worst Case Impacts: \$1,510.0K, 0 days</p>			<p>Risk Event: With the potential hazards associated with performing work on the Hanford Site, there are many requirements needed to perform work safely (radiological training, safety training and qualifications, personal protective equipment, etc.). Due to many of these extensive requirements, in conjunction with a thriving drilling economy, many of the qualified drilling contractors are getting out of the nuclear environmental drilling industry.</p> <table border="1"><thead><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>None identified at this time</td><td>Ongoing</td><td>N/A</td></tr></tbody></table> <p>Mitigation Assessment: No significant change in July. The project is currently reviewing options to mitigate this risk; however, no viable actions have been identified. Once a viable mitigation action(s) has been identified, this risk will be updated.</p>	Mitigation Action(s)	FC Date	%	None identified at this time	Ongoing	N/A
Mitigation Action(s)	FC Date	%								
None identified at this time	Ongoing	N/A								
Unassigned Risks (Pending ownership of identified risks/opportunities)										
No unassigned risks identified in July .										

SUBCONTRACTED WORK

Refer to the Overview for Subcontracted Work metric.

PROJECT BASELINE PERFORMANCE

Current Month (CM)

RL-0030	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	17.4	14.3	12.9	(3.1)	-17.7%	1.4	9.8%

Numbers are rounded to the nearest \$0.1 million.

Contract to Date (CTD)

RL-0030	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)	Estimate at Completion (EAC)	Estimate to Complete (ETC)	Variance at Completion (VAC)
Total	65.2	55.6	47.4	(9.6)	-14.7%	8.2	14.8%	86.6	77.5	30.1	9.1

Numbers are rounded to the nearest \$0.1 million.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST

RL-0030	Projected Funding	Spending Forecast	Variance
Soil & Groundwater Remediation	78.5	74.8	3.7

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The FY2021 projected funding of \$78.5 million incorporates an overall reduction of \$5.8 million from last month. This includes addition of \$5.2 million for the paid time bank (PTB) and sick leave liability transfer from the PRC to CPCC, a reduction of \$2.5 million in assumed funding from PRC, and a decrease of \$8.5 million as part of the reallocation of funds in the Central Plateau control point. The variance of \$3.7 million reflects a spending forecast of \$74.8 million.

Critical Path Analysis

The critical path analysis will be provided upon request.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-018	PTB & Sick Leave Liability Transfer	This baseline change request (BCR) implemented a task order modification to incorporate the transferred leave liability balance from the PRC to the CPCC. This BCR increased the performance measurement baseline (PMB) in this control account by \$5,223.5K.
BCR-CPC-21-019	HPIC Updates July 2021	This BCR incorporated Hanford Programs Integrated Control Module (HPIC) updates. This BCR did not change the PMB value.
BCR-CPC-21-020	WBS Title Updates Levels 1-4	This BCR revised the work breakdown structure (WBS) titles to align with client requested changes. No scope was changed as a result of this BCR. This BCR did not change the PMB value.
Change to allocated (distributed) budget: Increased the PMB by \$5,223.5K. Change to management reserve: No change in July.		

MILESTONE STATUS

The following table is a look ahead at the FY2021 *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement)-enforceable milestones, nonenforceable target due dates and commitments for RL-0030.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-024-72-T01	Conclude Discussions of Well Commitments Initiated Under M-024-58	8/1/2021		7/29/2021	On Schedule

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

Description	CPCCo Delivery Date	Expected RL Due Date
RL Review of Decisional Draft 200-BP-5/200-PO-1 Interim Action (IA) RD/RAWP	1/25/2021(A)	8/19/2021
RL Review of Decisional Draft 200-PO-1 CSM Sampling and Analysis Plan (SAP)	2/4/2021(A)	8/12/2021
RL Review of Draft Annual Groundwater Report	5/4/2021(A)	6/7/2021(A)
RL Transmit Draft A 100-HR-3 Groundwater Rebound SAP to Regulators for Review	6/9/2021(A)	6/29/2021
RL Review of Draft 100 Area P&T Report	6/9/2021(A)	7/22/2021
RL Review of 100-KR-4 FY2021 Drilling SAP Addendum	7/1/2021(A)	7/30/2021
RL Review of Draft 200 Area P&T Report	7/8/2021(A)	7/26/2021
RL Review of 100-KR-4 Groundwater Monitoring SAP FY2021 Update	7/22/2021(A)	8/20/2021
RL Review of Decisional Draft 100-HR-3 FY2022 Drilling SAP Addendum 1	8/3/2021	8/12/2021
RL Review of Decisional Draft 100-KR-4 FY2021 KE Soil Flushing SAP	8/6/2021	9/4/2021
RL Transmit Draft A 100-FR-3 Performance Monitoring Evaluation to EPA for Review	9/15/2021	9/22/2021
RL Review Final Draft Annual Groundwater Report on Development Server	9/22/2021	10/11/2021
RL, EPA and Ecology Approve Rev 0 KE Soil Flushing Explanation of Significant Difference	10/6/2021	10/19/2021
RL Transmit Draft A 200-BP-5/200-PO-1 IA RD/RAWP to Regulators for Review	10/15/2021	10/28/2021
RL Transmit 200-PO-1 Draft A CSM SAP to Regulators for Review	10/14/2021	10/25/2021

Section D

Nuclear Facility D&D, Remainder of Hanford (RL-0040)

July 2021

CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

SIGNIFICANT ACCOMPLISHMENTS

The Inner Area End States (IAES) Plutonium Uranium Extraction (PUREX) team completed demolition, loadout and backfill of the basement of 2701AB, completed demolition and loadout of the 214A PUREX warehouse slab and demolished abated steamlines and support poles in the PUREX North yard. At the Reduction-Oxidation (REDOX) plant, crews completed temporary power and lighting setup, 202S mechanical isolations and mobilized the construction subcontractor for the REDOX wind tunnel excavation. The IAES team completed the 200-MG-1 sampling and analysis plans associated with *Hanford Federal Facility Agreement and Consent Order* Milestone M-016-257. Also, crews at the West Area Remediation Project continued temporary power installation in the 231-Z Facility.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
21-EMS-CPRM-OBJ1-P1	Spill prevention, universal waste (UW) and recycling compliance	On a monthly basis, monitor and evaluate representative UW and recycling accumulation areas within the Central Plateau Risk Mitigation project.*	9/30/2021	72%
21-EMS-WARP-OBJ1-P1	Reduce overall Hanford Site energy use (electricity) by electrically isolating 31 structures during the year.	Confer with engineering and demolition managers for updates and submit a quarterly report of documented isolations.*	9/30/2021	96%
21-EMS-WARP-OBJ2-P1	Support environmental remediation by deactivation and demolition of 31 structures.	Confer with demolition manager for updates and submit a quarterly report of demolitions completed.*	9/30/2021	81%

*Includes progress made under the Plateau Remediation Contract (PRC) prior to the start of the Central Plateau Cleanup Contract (CPCC).

SAFETY PERFORMANCE

	Current Month	Contract to Date*	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	4	N/A
Near Misses	0	0	N/A

*The 12-month rolling averages and cumulative totals cannot be used until enough data is available.



MAJOR ISSUES

None currently identified.

KEY RISKS

●	Opportunity is currently realized, or mitigation efforts are currently working toward or after risk trigger with no foreseeable impacts.	↑	Increased Confidence	New Risk
●	Mitigation efforts are currently working toward a risk trigger with the possibility of actions not in place prior to a risk occurrence. Recovery actions may be needed.	↔	No Change	Change
●	Risk is currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery action needed.	↓	Decreased Confidence	

Risk Title	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0040/WBS-040										
Explanation of major changes to the project monthly spotlight chart: No major changes in the month of July.										
Realized Risks (Risks that are currently impacting project cost/schedule)										
BPlantIA-0002-T: 224B Resource Availability	<p>Other higher Central Plateau Cleanup Company (CPCCo) priority work results in reallocation of resources. Improving job markets and other scenarios result in competition for key resources. In addition, higher than anticipated attrition impacts project cost.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Somewhat likely (26% to 74%)</p> <p>Worst Case Impacts: \$23K, 120 days</p>	<div><div></div></div>	<div><div></div></div>	<p>Risk Event: Key resources were reallocated from the project to support Plutonium Reclamation Facility (PRF) demolition/debris loadout activities, consistent with the integrated project list (IPL).</p> <table><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Monitor staffing levels and anticipated return of resources from Plutonium Finishing Plant (PFP).</td><td>Ongoing</td><td>N/A</td></tr></table> <p>Recovery Action Assessment: No significant changes in July. Demolition preparation activities at 224B have been suspended until key resources return from PFP. The project continues to monitor current staffing levels. Resources are expected to return from PFP in September, at which point fieldwork will resume. Resources not reallocated to PRF have been assigned to other work.</p>	Risk Recovery Action(s)	FC Date	%	Monitor staffing levels and anticipated return of resources from Plutonium Finishing Plant (PFP).	Ongoing	N/A
Risk Recovery Action(s)	FC Date	%								
Monitor staffing levels and anticipated return of resources from Plutonium Finishing Plant (PFP).	Ongoing	N/A								
PUREXIA-0004-T: Resource Availability	<p>Other higher CPCCo priority work results in reallocation of resources, Improving job markets, and other scenarios, result in competition for key resources. In addition, higher than anticipated attrition impacts project cost.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Somewhat likely (26% to 74%)</p> <p>Worst Case Impacts: \$30K, 24 days</p>	<div><div></div></div>	<div><div></div></div>	<p>Risk Event: Key resources were reallocated from the project to support PRF demolition/debris loadout activities, consistent with the IPL.</p> <table><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Monitor staffing levels and anticipated return of resources from PFP.</td><td>Ongoing</td><td>N/A</td></tr></table> <p>Recovery Action Assessment: No significant changes in July. Asbestos abatement waste loadout activities at PUREX have been suspended until key resources return from PFP. The project continues to monitor current staffing levels. Resources are expected to return from PFP in September, at which point fieldwork will resume. Resources not reallocated to PRF have been assigned to other work.</p>	Risk Recovery Action(s)	FC Date	%	Monitor staffing levels and anticipated return of resources from PFP.	Ongoing	N/A
Risk Recovery Action(s)	FC Date	%								
Monitor staffing levels and anticipated return of resources from PFP.	Ongoing	N/A								
REDOXIA-0001-T: Resource Availability	<p>Other higher CPCCo priority work results in reallocation of resources, Improving job markets, in addition to other factors, result in competition for key resources. In addition, higher than anticipated attrition impacts project cost.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Likely (75% to 90%)</p> <p>Worst Case Impacts: \$46K, 192 days</p>	<div><div></div></div>	<div><div></div></div>	<p>Risk Event: Key resources were reallocated from the project to support PRF demolition/debris loadout activities, consistent with the IPL.</p> <table><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Monitor staffing levels and anticipated return of resources from PFP.</td><td>Ongoing</td><td>N/A</td></tr></table> <p>Recovery Action Assessment: No significant changes in July. Cold and dark activities at REDOX have experienced delays due to resource reallocation to other higher priority work. Delays will continue until key resources return from PFP. The project continues to monitor current staffing levels. Resources are expected to return from PFP in September, at which point fieldwork will increase. Resources not reallocated to PRF have been assigned to other work.</p>	Risk Recovery Action(s)	FC Date	%	Monitor staffing levels and anticipated return of resources from PFP.	Ongoing	N/A
Risk Recovery Action(s)	FC Date	%								
Monitor staffing levels and anticipated return of resources from PFP.	Ongoing	N/A								

Risk Title	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0040/WBS-040										
WARP-0008-T: Unavailable Resources	Necessary resources for project execution are unavailable, resulting in schedule and cost impacts to the project. Risk Handling Strategy: Accept Probability: Somewhat likely (26% to 74%) Worst Case Impacts: \$123K, 120 days			Risk Event: Risk Event: Key resources were reallocated from the project to support PRF demolition/debris loadout activities, consistent with the IPL. <table border="1"><thead><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>Monitor staffing levels and anticipated return of resources from PFP.</td><td>Ongoing</td><td>N/A</td></tr></tbody></table> Recovery Action Assessment: No significant changes in July. Demolition preparation activities at 231-Z and 224-T have been suspended until key resources return from PFP. The project continues to monitor current staffing levels. Resources are expected to return from PFP in September, at which point fieldwork will resume. Resources not reallocated to PRF have been assigned to other work.	Risk Recovery Action(s)	FC Date	%	Monitor staffing levels and anticipated return of resources from PFP.	Ongoing	N/A
Risk Recovery Action(s)	FC Date	%								
Monitor staffing levels and anticipated return of resources from PFP.	Ongoing	N/A								
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)										
No critical risks identified in July.										
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)										
No high threat value risks identified in July.										
FY2021 Key Risks										
No key risks identified in July.										
Unassigned Risks (Pending ownership of identified risks/opportunities)										
No unassigned risks identified in July.										

SUBCONTRACTED WORK

Refer to the Overview for Subcontracted Work metric.

PROJECT BASELINE PERFORMANCE Current Month (CM)

RL-0040	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	12.7	7.4	8.7	(5.3)	-41.9%	(1.3)	-17.9%

Numbers are rounded to the nearest \$0.1 million.

Contract to Date (CTD)

RL-0040	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)	Estimate at Completion (EAC)	Estimate to Complete (ETC)	Variance at Completion (VAC)
Total	50.2	33.4	38.8	(16.8)	-33.6%	(5.4)	-16.2%	68.8	67.8	29.0	1.0

Numbers are rounded to the nearest \$0.1 million.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST

RL-0040	Projected Funding	Spending Forecast	Variance
Nuclear Facility D&D, Remainder of Hanford	57.9	52.4	5.5
Numbers are rounded to the nearest \$0.1 million.			

Funds/Variance Analysis

The fiscal year (FY) 2021 projected funding of \$57.9 million incorporates an addition of \$3.3 million from last month for the paid time bank (PTB) and sick leave liability transfer from PRC to the CPCC. The variance of \$5.5 million reflects a spending forecast of \$52.4 million.

Critical Path Analysis

Critical path analysis will be provided upon request.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-018	PTB & Sick Leave Liability Transfer	This baseline change request (BCR) implemented a task order modification to incorporate the transferred leave liability balance from the PRC to the CPCC. This BCR increased the performance measurement baseline (PMB) in this control account by \$3,304.2K.
BCR-CPC-21-019	HPIC Updates July 2021	This BCR incorporated Hanford Programs Integrated Control Module (HPIC) updates. This BCR did not change the PMB value.
Change to allocated (distributed) budget: Increased by \$3,304.2K. Change to management reserve: No change in July.		

MILESTONE STATUS

The following table is a look ahead at the FY2021 *Hanford Federal Facility Agreement and Consent Order*-enforceable milestones, nonenforceable target due dates and commitments for RL-0040.

Number	Title	Due Date	Actual Date	Forecast Date	Status/Comment
M-016-257	Complete Confirmation Sampling/No Further Action for All Waste Sites as Identified in Change Control Form M-16-20-01 in FY2021	6/30/2022		4/11/2022	On Schedule

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

Description	CPCCo Delivery Date	Expected RL Due Date
U.S. Department of Energy, Richland Operations Office (RL) Review of Emergency Preparedness Hazard Analysis revision	5/18/2021(A)	6/28/2021(A)
RL Transmit Draft A B Plant Remedial Action Work Plan to Regulators for Review	8/23/2021	8/26/2021
RL Certify and Submit PUREX Closure Plan to Washington State Department of Ecology	8/31/2021	9/14/2021

Section E

Nuclear Facility D&D, River Corridor (RL-0041)

July 2021

CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

SIGNIFICANT ACCOMPLISHMENTS

Soil Remediation

- Completed overburden removal at the 100-K-55:2, 100-K-56:3 and 100-K-96 waste sites and submitted draft verification work instructions to the U.S. Department of Energy (DOE), Richland Operations Office (RL) for review.
- Initiated overburden removal of the 100-K-79:8 waste site.

Demolition

- Completed demolition of 165KE. Loadout of debris is forecast to continue into September.
- Initiated hazardous material and asbestos removal activities at 165KW.

105KE Interim Safe Storage

- Awarded the 105KE Interim Safe Storage fabrication and erection contract.

105KW Deactivation

- Initiated trailer relocations and personnel moves to support 105KW demolition.
- Completed the electrical disconnections for MO-2248, MO-2333, MO-2231 and MO-1311.

Vertical Pipe Casings

- Completed installation of the vertical pipe casings (VPCs) and the construction completion document for transfer of the VPC system to operations.

105KW Facility

- Initiated activities for the second garnet filter media retrieval and transfer to the sludge transport and storage container.

324 Building Disposition

- The 324 Building safety basis fiscal year (FY) 2021 annual update was implemented.
- Milestone change requests for M-016-85 and M-016-85A have been approved with new milestone due dates of November 30, 2030 and November 30, 2025, respectively.
- Completed remote excavator arm (REA) proficiency training, grout injection training and airlock decontamination tool factory acceptance test at mockup facility.
- Completed Room 18 decontamination and waste loadout as well as Retired Radioactive Liquid Waste System core removal and loadout.
- Shipped Room 18 soil drums to the Environmental Restoration Disposal Facility.
- Completed the removal of additional mechanical interferences in Room 18.
- Completed Hazard Review Board for micropile grouting.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
21-EMS-KBO-OBJ1-P1	Evaluate 100K Area work activities to ensure there are no excessive water discharges to the ground and appropriate actions are being taken to minimize fugitive dust generation.	On a quarterly basis, evaluate upcoming work from the Hanford Fire Department, 100K Area D&D and soil remediation activities. Ensure the water discharge to ground requirements found in DOE/RL-97-67, <i>Pollution Prevention and Best Management Practices Plan for State Waste Discharge Permits ST 0004511, ST 4509, and ST 4510</i> , Revision 3, and 100K-STD-OP-52370, <i>Discharges to Ground</i> , are followed.*	9/30/2021	75%
21-EMS-KBO-OBJ2-P1	Improve compliance/pollution and spill prevention.	Evaluate the status of spill prevention, use of secondary containment, universal waste and other recycling compliance, and waste reduction opportunities with Central Plateau Cleanup Company (CPCCo) procedures.*	9/30/2021	72%

*Includes progress made under the Plateau Remediation Contract (PRC) prior to the start of the Central Plateau Cleanup Contract (CPCC).

SAFETY PERFORMANCE

	Current Month	Contract to Date*	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	7	7/12/2021 - The employee was changing out drum waste bags; as the employee was pulling out the bag, they felt a sharp pain in their left shoulder. (40103)
Near Misses	0	0	N/A

*The 12-month rolling averages and cumulative totals cannot be used until enough data is available.

ISSUES

Issue

The 300 Area End States (AES) project is continuing to experience radiological control technician (RCT) resource shortages due to attrition of staff. The resource shortage is impacting the project's ability to perform planned scope. Current staffing numbers bound scope to daily rounds and limited fieldwork evolutions when all current staff are present.

Corrective Action

In May CPCCo initiated an RCT training course for 30 additional RCTs. The 300 AES project contracted RCT support for the remainder of FY2021 to support the project. CPCCo is reviewing current status and resource levels across all projects to determine the most efficient utilization of RCT resources across the company.







Status

Entry level RCTs have been hired and started a training course mid-May, scheduled to complete in September. One contract RCT was secured for the remainder of the FY to support the project. CPCCo continues to evaluate resources across all projects.

KEY RISKS

●	Opportunity is currently realized, or mitigation efforts are currently working toward or after risk trigger with no foreseeable impacts.	↑	Increased Confidence	New Risk
●	Mitigation efforts are currently working toward a risk trigger with the possibility of actions not in place prior to a risk occurrence. Recovery actions may be needed.	↔	No Change	Change
●	Risk is currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery action needed.	↓	Decreased Confidence	

Risk Title	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0041/WBS-041				
Explanation of major changes to the project monthly spotlight chart: Risk, RCC-0024-T - 300-296 Elevated Contamination Encountered While Performing Structural Modifications was removed from the report in July as sufficient core teams have been trained. The project will continue to perform proficiency training on any new resources that become available.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks identified in July.				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed.)				
No critical risks are identified in July.				

Risk Title	Unmitigated Risk Impacts	Assessment		Comments																		
		Month	Trend																			
RL-0041/WBS-041																						
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																						
RCC-0008-T: 300-296 Failure of a Radiochemical Engineering Cells (REC) Cranes (B Cell, A Cell, A/D & Airlock, and/or Cask Handling Area [CHA] Cranes)	Major crane repair must be performed during operations. This in-scope, unplanned work results in cost and schedule impacts to the project. Risk Handling Strategy: Mitigate Probability: Somewhat likely (26% to 74%) Worst Case Impacts: \$3,000K, 96 days			Risk Event: The REC A/D crane failed during operations. The mitigation activities for this risk have been planned in the CPCCo PMB. CPCCo will continue implementation of mitigation actions. <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Vendor delivery to acquisition verification services (AVS) – B Cell 10-ton crane.</td><td>3/22/2021</td><td>100</td></tr><tr><td>Award Procurement for Airlock 7.5 Ton Crane</td><td>4/7/2021</td><td>100</td></tr><tr><td>Vendor Submit Mechanical Design for Airlock 7.5 Ton Crane</td><td>11/4/2021</td><td>0</td></tr><tr><td>Perform remote survey and radiological characterization of the A/D Crane.</td><td>4/21/2022</td><td>0</td></tr><tr><td>Perform follow-up A/D Crane mechanical investigation.</td><td>6/15/2022</td><td>0</td></tr></table> Mitigation Assessment: Additional radiological characterization/ investigation, surveys and decontamination efforts will be performed on the A/D crane to verify mechanical and electrical components necessary to perform repairs. The design and procurement/fabrication of the airlock 7.5-ton crane was awarded to decrease further impacts to the project. The forecasted completion date for the mechanical design was updated to reflect the latest vendor schedule. The design will be performed in 2021 and the procurement/fabrication is planned to commence during task order 4.	Mitigation Action(s)	FC Date	%	Vendor delivery to acquisition verification services (AVS) – B Cell 10-ton crane.	3/22/2021	100	Award Procurement for Airlock 7.5 Ton Crane	4/7/2021	100	Vendor Submit Mechanical Design for Airlock 7.5 Ton Crane	11/4/2021	0	Perform remote survey and radiological characterization of the A/D Crane.	4/21/2022	0	Perform follow-up A/D Crane mechanical investigation.	6/15/2022	0
Mitigation Action(s)	FC Date	%																				
Vendor delivery to acquisition verification services (AVS) – B Cell 10-ton crane.	3/22/2021	100																				
Award Procurement for Airlock 7.5 Ton Crane	4/7/2021	100																				
Vendor Submit Mechanical Design for Airlock 7.5 Ton Crane	11/4/2021	0																				
Perform remote survey and radiological characterization of the A/D Crane.	4/21/2022	0																				
Perform follow-up A/D Crane mechanical investigation.	6/15/2022	0																				
RCC-0001-T: 300-296 Latent Conditions Impact Facility Modification	Latent conditions, poor visibility in REC cells or drawing omissions, inconsistencies, or errors impact facility modifications (e.g., mechanical, electrical industrial hygiene/RCA), resulting in unplanned work and subsequently, cost and schedule impacts. Risk Handling Strategy: Mitigate Probability: Medium (26% to 74%) Worst Case Impacts: \$1,116.5K, 128 days			Risk Trigger Metric: The 324 Building and REC cells have been used for numerous missions since 1965. Available drawings may not reflect the actual conditions in the building or REC cells. Additionally, debris may obscure in-cell features making removal more complex than planned. Radiological control hazards may be more extensive than assumed, increasing the complexity of facility modifications necessary for soil removal activities. <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Perform radiological surveying and analysis of facility drawings to reduce unexpected conditions while preparing for remote soil excavation activities.</td><td>Ongoing</td><td>N/A</td></tr></table> Mitigation Assessment: No significant changes in July. Follow-up contamination surveys were performed throughout the front side areas of the 324 Building using strontium controls (developed for Room 18) with no contamination detected. Based on the historical discovery of an elevated latent contamination level during the CHPRC contract, this risk will be monitored continuously as routine PM activities are in place to reduce the likelihood of occurrence.	Mitigation Action(s)	FC Date	%	Perform radiological surveying and analysis of facility drawings to reduce unexpected conditions while preparing for remote soil excavation activities.	Ongoing	N/A												
Mitigation Action(s)	FC Date	%																				
Perform radiological surveying and analysis of facility drawings to reduce unexpected conditions while preparing for remote soil excavation activities.	Ongoing	N/A																				
RCC-0014-T: 300-296 Cell Sealing, Micropile Installation, Interference Removal, Core Drilling and Soil Stabilization Takes Longer Than Planned	Unexpected field conditions are encountered during interference removal, sealing of cell penetrations and/or core drilling work scope. The unexpected field conditions subsequently cause in-scope unplanned work and result in schedule impacts to the project. Risk Handling Strategy: Mitigate Probability: Somewhat likely (26% to 74%) Worst Case Impacts: \$3,317.6K, 96 days			Risk Trigger Metric: The project experiences unexpected field conditions outside its control, impacting cell sealing, core drilling and soil stabilization, micropile installation and interference removal, making it more difficult than planned. <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Perform pilot-hole drilling to aid as a mitigation action for micropile installation</td><td>Ongoing</td><td>N/A</td></tr><tr><td>Perform micropile foundation load testing</td><td>4/8/2021</td><td>100</td></tr><tr><td>Perform Soil Stabilization Demonstrations</td><td>7/26/2021</td><td>75</td></tr></table> Mitigation Assessment: No significant changes in July. Micropile foundation load testing to verify compatibility with grouting material and support risk mitigation was completed in April. Additionally, soil stabilization demonstrations to support east wall stabilization activities are ongoing and will aid in mitigating this risk from occurring.	Mitigation Action(s)	FC Date	%	Perform pilot-hole drilling to aid as a mitigation action for micropile installation	Ongoing	N/A	Perform micropile foundation load testing	4/8/2021	100	Perform Soil Stabilization Demonstrations	7/26/2021	75						
Mitigation Action(s)	FC Date	%																				
Perform pilot-hole drilling to aid as a mitigation action for micropile installation	Ongoing	N/A																				
Perform micropile foundation load testing	4/8/2021	100																				
Perform Soil Stabilization Demonstrations	7/26/2021	75																				

Risk Title	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0041/WBS-041										
FY2021 Key Risks										
RCC-0009-T: 300-296 Failure of Cell Shield Door	Failure of shield door(s) or crane shield door(s) shuts down cleanout of REC cells/airlock, penetration sealing in the airlock and equipment installation, and other activities for remote soil removal. It may not be possible to repair a shield door due to radiation dose rate and location, resulting in cost and schedule delays. Risk Handling Strategy: Mitigate Probability: Unlikely (10% to 25%) Worst Case Impacts: \$460K, 96 days			Risk Trigger Metric: The cell shield door fails, resulting in a shutdown of cleanout activities until repairs can be completed, similar to the event that occurred in September 2019. <table border="1"><thead><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>Perform B Cell and D Cell door pin isolations.</td><td>2/17/2022</td><td>0</td></tr></tbody></table> Mitigation Assessment: No significant changes in July . To maintain REC shield door operability, engineering evaluations were conducted, resulting in the implementation of monthly PMs and the procurement of spare parts. These mitigation efforts will reduce the likelihood of cost and schedule consequences, as applicable.	Mitigation Action(s)	FC Date	%	Perform B Cell and D Cell door pin isolations.	2/17/2022	0
Mitigation Action(s)	FC Date	%								
Perform B Cell and D Cell door pin isolations.	2/17/2022	0								
RCC-0007-T: 300-296 Remote Equipment Failure During Operations	Failures of the following procured equipment: the floor saw, master slave manipulators (MSMs) used in REC cells, REAs, through supports, cell dams, transfer mechanism and cameras and lights. Risk Handling Strategy: Mitigate Probability: Unlikely (10% to 25%) Worst Case Impacts: \$1,336K, 90 days			Risk Trigger Metric: Failure of remote equipment will result in schedule delays due to equipment replacement and repairs because of radiation damage to other equipment installed in the REC cells. These factors may shorten the operational life of equipment and result in replacing damaged equipment or components. <table border="1"><thead><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>Receipt of the universal cutting tool and spare upper REA are complete. The project is validating further mitigation actions.</td><td>Ongoing</td><td>N/A</td></tr></tbody></table> Mitigation Assessment: No significant changes in July . The universal cutting tool was received in March and the spare upper REA was received in prior months. This will mitigate potential impacts to the project in the event of an REA failure. Potential impacts continue to be monitored and assessed for mitigation as project evolutions continue.	Mitigation Action(s)	FC Date	%	Receipt of the universal cutting tool and spare upper REA are complete. The project is validating further mitigation actions.	Ongoing	N/A
Mitigation Action(s)	FC Date	%								
Receipt of the universal cutting tool and spare upper REA are complete. The project is validating further mitigation actions.	Ongoing	N/A								
RCC-0029-T: Increased Radiation Exposure to Workers	High dose in the airlock causes excessive radiation exposure to personnel, resulting in in-scope unplanned work impacts of cost and/or schedule. Risk Handling Strategy: Mitigate Probability: Unlikely (10% to 25%) Worst Case Impacts: \$400K, 72 days			Risk Trigger Metric: During REC entries, background and present dose could cause workers to reach allowable dose limits sooner than anticipated, resulting in cost and schedule impacts. <table border="1"><thead><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>Continue the use of increased shielding and as low as reasonably achievable controls.</td><td>Ongoing</td><td>N/A</td></tr></tbody></table> Mitigation Assessment: No significant changes in July . Mitigation efforts have reduced the probability of risk occurrence to low. Procurement of specialized waste containers, shield lids and decontamination efforts has significantly minimized dose potential; however, the uniqueness of the work scope provides the potential for unexpected delays and/or cost impacts.	Mitigation Action(s)	FC Date	%	Continue the use of increased shielding and as low as reasonably achievable controls.	Ongoing	N/A
Mitigation Action(s)	FC Date	%								
Continue the use of increased shielding and as low as reasonably achievable controls.	Ongoing	N/A								

Risk Title	Unmitigated Risk Impacts	Assessment		Comments												
		Month	Trend													
RL-0041/WBS-041																
KWB-0008-T: 105KW Basin – Failure of Critical VPC Components During Operations	<p>Failure of critical components or equipment associated with the operation of the VPC sparging station, tipping assemblies and/or water sampler results in schedule delays and additional costs to correct.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Unlikely (10% to 25%)</p> <p>Worst Case Impacts: \$105K, 40 days</p>			<p>Risk Trigger Metric: The project experiences a mechanical issue associated with the VPC debris washing, loading and sampling operations that results in downtime, and additional costs to plan and replace broken parts, or sparge-sampling NDA is inconclusive or inoperable, triggering a need for additional offsite sample analysis. Any repairs or modifications would require a new work package to be developed and off-the-shelf replacement parts to be ordered and received or custom parts to be manufactured, tested and delivered.</p> <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Underwater fit-up testing at the MASF.</td><td>3/25/2021</td><td>100</td></tr><tr><td>Equipment installation and construction acceptance testing of full system before turnover to operations.</td><td>8/4/2021</td><td>0</td></tr></table> <p>Mitigation Assessment: No significant changes in July. New rigging lift points and rigging were installed and tested at MASF and the installation contractor performed underwater fit-up of VPC components to help ensure they were assembled properly and not damaged during installation at the KW Basin. QA will also be onsite during equipment transfers to the basin to ensure VPC components have not been damaged prior to transfer of custody from CPCCo to the VPC installation contractor. A detailed construction acceptance test has been developed that will be followed after installation has been completed to verify the VPC system operates as designed prior to acceptance from the Project Delivery Group. Mitigation actions will continue to be reviewed and updated, as appropriate.</p>	Mitigation Action(s)	FC Date	%	Underwater fit-up testing at the MASF.	3/25/2021	100	Equipment installation and construction acceptance testing of full system before turnover to operations.	8/4/2021	0			
Mitigation Action(s)	FC Date	%														
Underwater fit-up testing at the MASF.	3/25/2021	100														
Equipment installation and construction acceptance testing of full system before turnover to operations.	8/4/2021	0														
SR-0004-T: 100K Unexpected Site Conditions	<p>Unexpected site conditions are encountered during soil excavation activities, resulting in recovery actions, causing unplanned and project in-scope work and schedule delays.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Somewhat likely (26% to 74%)</p> <p>Worst Case Impacts: \$1,007K, 32 days</p>			<p>Risk Trigger Metric: During soil excavation activities, different site conditions including underground utilities (i.e., wiring, fiber cable, pipes, asbestos), unknown construction material and greater-than-expected quantities of contamination could be encountered, resulting in increased volume of remediated soil. In addition, the overburden soil planned for backfill contains contaminants, resulting in the need to create a new clean-fill pit.</p> <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Data collection (includes review of the Waste Information Data System information, review of historical drawings, identify contaminants of concern, civil survey, etc.).</td><td>Ongoing</td><td>N/A</td></tr><tr><td>Ground penetrating radar.</td><td>Ongoing</td><td>N/A</td></tr><tr><td>Develop/issue an approved excavation permit before remediation begins.</td><td>Ongoing</td><td>N/A</td></tr></table> <p>Mitigation Assessment: No significant change in July. The mitigation actions identified above are standard business practices when performing excavation activities on the Hanford Site. These steps are designed to minimize the probability of encountering unknown utilities, structures or contamination.</p>	Mitigation Action(s)	FC Date	%	Data collection (includes review of the Waste Information Data System information, review of historical drawings, identify contaminants of concern, civil survey, etc.).	Ongoing	N/A	Ground penetrating radar.	Ongoing	N/A	Develop/issue an approved excavation permit before remediation begins.	Ongoing	N/A
Mitigation Action(s)	FC Date	%														
Data collection (includes review of the Waste Information Data System information, review of historical drawings, identify contaminants of concern, civil survey, etc.).	Ongoing	N/A														
Ground penetrating radar.	Ongoing	N/A														
Develop/issue an approved excavation permit before remediation begins.	Ongoing	N/A														
Unassigned Risks (Pending ownership of identified risks/opportunities)																
No unassigned risks identified in July.																

SUBCONTRACTED WORK

Refer to the Overview for Subcontracted Work metric.

PROJECT BASELINE PERFORMANCE

Current Month (CM)

RL-0041	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	19.1	15.9	17.3	(3.2)	-16.6%	(1.3)	-8.4%

Numbers are rounded to the nearest \$0.1 million.

Contract to Date (CTD)

RL-0041	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)	Estimate at Completion (EAC)	Estimate to Complete (ETC)	Variance at Completion (VAC)
Total	74.2	65.8	67.9	(8.4)	-11.3%	(2.1)	-3.1%	100.8	98.6	30.7	2.2

Numbers are rounded to the nearest \$0.1 million.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST

RL-0041	Projected Funding	Spending Forecast	Variance
Nuclear Facility D&D, River Corridor	98.4	92.3	6.1

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The FY2021 projected funding of \$98.4 million incorporates an additional \$5.8 million from last month for the paid time bank (PTB) and sick leave liability transfer from PRC to CPCC and \$0.3 million for Pre-Manhattan Project Facility Preservation. The variance of \$6.1 million reflects a spending forecast of \$92.3 million.

Contract Funds Status Report is provided in Appendix C.

Critical Path Analysis

Critical path analysis will be provided upon request.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-016	165KW & 166KW Demolition Prep Acceleration	This baseline change request (BCR) incorporated deactivation and hazard reduction activities that are needed to prepare 165KW and 166KW for demolition. This BCR increased the performance measurement baseline (PMB) value by \$589.8K.
BCR-CPC-21-017	Waste Site Remediation 100-K-79:8	This BCR incorporated 100-K-79:8 waste site remediation planning and documentation and excavation process into the FY2021 baseline. This BCR increased the PMB by \$263.9K.
BCR-CPC-21-018	PTB & Sick Leave Liability Transfer	This BCR implemented a task order modification to incorporate the transferred leave liability balance from the PRC to the CPCC. This BCR increased the PMB in this control account by \$5,772.6K.
BCR-CPC-21-019	HPIC Updates July 2021	This BCR incorporated Hanford Programs Integrated Control Module (HPIC) updates. This BCR did not change the PMB value.
Change to allocated (distributed) budget: Increased the PMB by 6,626.3K. Change to management reserve: No change in July.		

MILESTONE STATUS

The following table is a look ahead at the FY2021 *Hanford Federal Facility Agreement and Consent Order*-enforceable milestones, nonenforceable target due dates and commitments.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-093-27-T01	Initiate Earthwork for the Construction of the 105-KE Safe Storage Enclosure	9/30/2021		9/13/2021	On Schedule
M-016-86	Complete Remedial Actions for 618-11 Burial Ground in accordance with DOE/RL-2014-13-ADD1	9/30/2021		TBD	Milestone change request was not approved by the U.S. Environmental Protection Agency. RL will dispute.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

Description	CPCCo Delivery Date	Expected RL Due Date
RL Review 105KW Demolition Removal Action Work Plan	10/13/2021	12/1/2021

Section F

Fast Flux Test Facility Closure (RL-0042)

July 2021

CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

SIGNIFICANT ACCOMPLISHMENTS

The Inner Area End States crews continued electrical investigations and re-lamping of lighting in the 400 Area.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

SAFETY PERFORMANCE

	Current Month	Contract to Date*	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	0	N/A
Near Misses	0	0	N/A

*The 12-month rolling averages and cumulative totals cannot be used until enough data is available.

MAJOR ISSUES

None currently identified.

KEY RISKS

None currently identified.

SUBCONTRACTED WORK

Refer to the Overview for Subcontracted Work metric.

PROJECT BASELINE PERFORMANCE

Current Month (CM)

RL-0042	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.4	0.3	0.2	(0.1)	-35.6%	0.0	2.3%

Numbers are rounded to the nearest \$0.1 million.

Contract to Date (CTD)

RL-0042	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)	Estimate at Completion (EAC)	Estimate to Complete (ETC)	Variance at Completion (VAC)
Total	1.5	1.4	1.7	(0.1)	-5.1%	(0.3)	-18.8%	2.4	2.6	0.9	(0.2)

Numbers are rounded to the nearest \$0.1 million.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST

RL-0042	Projected Funding	Spending Forecast	Variance
Fast Flux Test Facility Closure	3.0	2.5	0.5

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The fiscal year (FY) 2021 variance of \$0.5 million reflects projected funding of \$3.0 million and a spending forecast of \$2.5 million.

Contract Funds Status Report is provided in Appendix C.

Critical Path Analysis

Critical path analysis is not applicable to this project. The contract scope is the performance of interim surveillance and maintenance activities pending facility disposition.

CHANGE CONTROL

Change Number	Title	Summary of Change
NA	NA	NA
Change to allocated (distributed) budget: No change in July. Change to management reserve: No change in July.		

MILESTONE STATUS

None currently identified.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

Description	CPCCo Delivery Date	Expected RL Due Date
U.S. Department of Energy, Richland Operations Office (RL) Transmit Draft A 400 Area Engineering Evaluation/Cost Analysis to Regulators for Review	9/2/2021	9/13/2021
RL Review Decisional Draft 400 Area Action Memorandum	9/28/2021	10/25/2021

Section G B Reactor (RL-0201)

July 2021

CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

SIGNIFICANT ACCOMPLISHMENTS

B Reactor/Manhattan Project National Historical Park project personnel performed general housekeeping and maintenance activities at B Reactor and grounds and the Hanford High School and grounds. Activities included radiological control surveys and electrical preventative maintenance. At B Reactor, the project hosted a tour for the U.S. Department of Energy (DOE) Environmental Management (EM-2). The project also planned National Park Service displays for the B Reactor water laboratory and performed the job hazard analysis for painting the outbuildings. Ground scans were completed for the installation of the restroom facility at 105B.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

SAFETY PERFORMANCE

	Current Month	Contract to Date*	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	0	N/A
Near Misses	0	0	N/A

*The 12-month rolling averages and cumulative totals cannot be used until enough data is available.

MAJOR ISSUES

None currently identified.

KEY RISKS

None currently identified.

SUBCONTRACTED WORK

Refer to the Overview for Subcontracted Work metric.

PROJECT BASELINE PERFORMANCE

Current Month (CM)

RL-0021	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.1	0.1	0.1	0.0	0.0%	0.0	10.7%

Numbers are rounded to the nearest \$0.1 million.

Contract to Date (CTD)

RL-0021	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)	Estimate at Completion (EAC)	Estimate to Complete (ETC)	Variance at Completion (VAC)
Total	0.6	0.6	1.0	0.0	0.0%	(0.4)	-68.4%	0.9	1.7	0.6	(0.8)

Numbers are rounded to the nearest \$0.1 million.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST

RL-0201	Projected Funding	Spending Forecast	Variance
B Reactor	2.1	1.5	0.5
Pre-Manhattan Project Facility Maintenance & Public Access	0.2	0.0	0.2
Total RL-0201	2.3	1.5	0.8

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The fiscal year (FY) 2021 projected funding increased by \$0.2 million for Pre-Manhattan Project Facility Maintenance & Public Access, for total projected funding in RL-0201 of \$2.3 million. The variance of \$0.8 million reflects a spending forecast of \$1.5 million. It is anticipated that the DOE, Richland Operations Office will provide direction to resume some level of public tours before the end of the FY, which would reduce the variance moving forward.

Contract Funds Status Report is provided in Appendix C.

Critical Path Analysis

Critical path analysis is not applicable to this project.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-019	HPIC Updates July 2021	This baseline change request (BCR) incorporated Hanford Programs Integrated Control Module (HPIC) updates. This BCR did not change the performance measurement baseline value.
Change to allocated (distributed) budget: No change in July. Change to management reserve: No change in July.		

MILESTONE STATUS

None currently identified.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

None currently identified.

Appendix A

Contract Performance Reports

Format 1 - Work Breakdown Structure

Format 2 - Organizational Categories

Format 3 - Baseline

Format 4 - Staffing

Format 5 - Explanation and Problem Analysis

July 2021

CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE														FORM APPROVED					
DOLLARS IN														Thousands of \$			OMB No. 0704-0188		
1. CONTRACTOR				2. CONTRACT				3. PROGRAM				4. REPORT PERIOD							
a. NAME Central Plateau Cleanup Company LLC				a. NAME Central Plateau Cleanup Company LLC				a. NAME Formats 1 2 3 5				a. FROM (YYYYMMDD) 2021 / 06 / 21							
b. LOCATION (Address and ZIP Code) Richland, WA				b. NUMBER 89303320DEM000030				b. PHASE				b. TO (YYYYMMDD) 2021 / 07 / 25							
c. TYPE IDIQ				d. SHARE RATIO				c. EVMS ACCEPTANCE											
								NO				YES (YYYYMMDD) N/A							
5. CONTRACT DATA																			
a. QUANTITY		b. NEGOTIATED COST		c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/FEE		e. TARGET PRICE		f. ESTIMATED PRICE		g. CONTRACT CEILING		h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS (YYYYMMDD)			
1		392,160		168,884		26,471		418,631		620,633		418,631		620,633					
6. ESTIMATED COST AT COMPLETION																			
				MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		7. AUTHORIZED CONTRACTOR REPRESENTATIVE									
										a. NAME (Last, First, Middle Initial) Downing, Katie				b. TITLE Prime Contract Manager					
a. BEST CASE				587,860						c. SIGNATURE				d. DATE SIGNED (YYYYMMDD)					
b. WORST CASE				612,313															
c. MOST LIKELY				594,162		561,044		-33,118											
8. PERFORMANCE DATA																			
Control Account.PBS ITEM (1)		CURRENT PERIOD				CUMULATIVE TO DATE				REPROGRAMMING ADJUSTMENTS				AT COMPLETION					
		BUDGETED COST		ACTUAL COST WORK PERFORMED		VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED		VARIANCE							
		WORK SCHEDULED (2)	WORK PERFORMED (3)				WORK SCHEDULED (7)	WORK PERFORMED (8)				SCHEDULE (10)	COST (11)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
RL-0011 Nuclear Mat Stab & Disp		749	1,228	3,927	479	-2,700	125,837	118,837	163,319	-7,000	-44,482	0	0	0	0	126,722	177,047	-50,325	
RL-0013 Solid Waste Stab & Disp		24,451	20,861	20,228	-3,590	632	92,750	81,549	76,619	-11,200	4,930	0	0	0	0	126,552	115,492	11,061	
RL-0030 Soil &Water Rem-Grndw		15,642	13,001	11,798	-2,641	1,203	56,701	48,491	41,435	-8,210	7,056	0	0	0	0	75,059	67,270	7,788	
RL-0040 Nuc Fac D&D - Remainde		11,382	6,814	7,949	-4,568	-1,135	43,554	29,096	33,730	-14,457	-4,634	0	0	0	0	59,520	58,717	803	
RL-0041 Nuc Fac D&D - RC Closur		17,204	14,491	15,638	-2,714	-1,148	64,526	57,336	59,099	-7,190	-1,762	0	0	0	0	87,372	85,485	1,887	
RL-0042 Nuc Fac D&D - FFTF Proj		337	217	213	-120	5	1,309	1,242	1,475	-67	-233	0	0	0	0	2,055	2,241	-187	
RL-0201 Hanford Site-Wide Servi		98	98	87	0	10	530	530	892	0	-362	0	0	0	0	736	1,422	-687	
b. COST OF MONEY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
c. GENERAL AND ADMINISTRATIVE		7,968	5,795	6,322	-2,173	-527	61,413	53,502	58,793	-7,911	-5,291	0	0	0	0	76,726	80,185	-3,459	
d. UNDISTRIBUTED BUDGET																0	0	0	
e. SUBTOTAL		77,830	62,504	66,163	-15,326	-3,659	446,619	390,583	435,362	-56,035	-44,779	0	0	0	0	554,741	587,860	-33,118	
f. MANAGEMENT RESERVE																6,302			
g. TOTAL		77,830	62,504	66,163	-15,326	-3,659	446,619	390,583	435,362	-56,035	-44,779	0	0	0	0	561,044			
9. RECONCILIATION TO CONTRACT BUDGET BASELINE																			
a. VARIANCE ADJUSTMENT																			
b. TOTAL CONTRACT VARIANCE											-56,035		-44,779		561,044 587,860 -26,816				

CLASSIFICATION (When Filled In)

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT													FORM APPROVED			
FORMAT 2 - ORGANIZATIONAL CATEGORIES													OMB No. 0704-0188			
1. CONTRACTOR		2. CONTRACT			3. PROGRAM			4. REPORT PERIOD								
a. NAME Central Plateau Cleanup Company LLC		a. NAME Central Plateau Cleanup Company LLC			a. NAME Formats 1 2 3 5			a. FROM (YYYYMMDD) 2021 / 06 / 21								
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER 89303320DEM000030			b. PHASE			b. TO (YYYYMMDD) 2021 / 07 / 25								
c. TYPE IDIQ		d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES (YYYYMMDD) N/A											
5. PERFORMANCE DATA																
WBS.Resp Org Group	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
C0 - CPCCo Program Manager	0	0	0	0	0	0	0	9	0	-9	0	0	0	0	9	-9
C1 - End States Strategy & Integ	98	98	87	0	10	530	530	883	0	-353	0	0	0	736	1,413	-677
C2 - Inner Area End States	14,532	8,652	12,198	-5,881	-3,547	193,836	165,680	213,296	-28,155	-47,615	0	0	0	221,455	268,523	-47,068
C3 - Outer Area End States	11,432	8,718	9,866	-2,714	-1,148	58,754	51,564	53,326	-7,190	-1,762	0	0	0	81,599	79,712	1,887
C4 - Waste Projects & Operations	11,811	9,892	9,538	-1,918	354	59,038	54,468	51,267	-4,570	3,202	0	0	0	82,818	74,393	8,425
C5 - Soil & Groundwater Operations	6,751	5,264	4,464	-1,486	800	31,469	27,258	23,822	-4,212	3,435	0	0	0	43,901	39,405	4,496
C6 - Regulatory Strategy & Integr	3,668	2,513	2,110	-1,155	403	20,008	16,010	12,390	-3,998	3,620	0	0	0	25,935	22,642	3,293
C9 - Business Services	21,572	21,572	21,577	0	-5	21,572	21,572	21,577	0	-5	0	0	0	21,572	21,577	-5
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	7,968	5,795	6,322	-2,173	-527	61,413	53,502	58,793	-7,911	-5,291	0	0	0	76,726	80,185	-3,459
d. UNDISTRIBUTED BUDGET														0	0	0
e. SUBTOTAL (Performance Measurement Baseline)	77,830	62,504	66,163	-15,326	-3,659	446,619	390,583	435,362	-56,035	-44,779	0	0	0	554,741	587,860	-33,118
f. MANAGEMENT RESERVE														6,302		
g. TOTAL	77,830	62,504	66,163	-15,326	-3,659	446,619	390,583	435,362	-56,035	-44,779	0	0	0	561,044		

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT														Form Approved OMB No. 0704-0188					
FORMAT 3 - BASELINE														DOLLARS IN THOUSANDS					
1. CONTRACTOR Central Plateau Cleanup Company LLC b. LOCATION: Richland, WA			2. CONTRACT a. NAME: Central Plateau Cleanup b. NUMBER: 89303320DEM000030 c. TYPE: IDIQ d. SHARE RATIO:			3. PROGRAM a. NAME: Central Plateau Cleanup Company LLC b. PHASE c. EVMS ACCEPTANCE NO YES N/A			4. REPORT PERIOD a. FROM: 2021/06/21 b. TO: 2021/07/25										
5. CONTRACT DATA																			
a. ORIGINAL NEGOTIATED COST \$175,000			b. NEGOTIATED CONTRACT CHANGE \$217,160		c. CURRENT NEGOTIATED COST (A + B) \$392,160		d. ESTIMATED COST AUTH UNPRICED WORK \$168,884		e. CONTRACT BUDGET BASE (C + D) \$561,044		f. TOTAL ALLOCATED BUDGET \$561,044		g. DIFFERENCE (E - F) (\$0)						
h. CONTRACT START DATE 1/25/2021			i. DEFINITIZATION DATE 1/25/2021		j. PLANNED COMPL DATE 9/30/2021		k. CONT COMPLETION DATE 5/24/2021				l. EST COMPLETION DATE 9/30/2021								
6. PERFORMANCE DATA																			
ITEM (1)	BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	SIX MONTH FORECAST						BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)									UNDISTRIB BUDGET (19)	TOTAL BUDGET (20)
			+1 Aug-21 (4)	+2 Sep-21 (5)	+3 Oct-21 (6)	+4 Nov-21 (7)	+5 Dec-21 (8)	+6 Jan-22 (9)	FY15 (12)	FY16 (13)	FY17 (14)	FY18 (15)	FY19 (16)	FY20 (17)	FY21 (18)	FY22 (17)	FY23 (18)		
a. PM BASELINE (BEGIN OF PERIOD)	368,788	56,090	46,097	61,677	0	0	0	0	6,090	23,182	19,407	628	66,598	7,519	402,892	0	0	0	532,316
b. BASELINE CHANGES AUTH DURING REPORT PERIOD															590				590
BCR-CPC-21-016 - 165KW & 166KW Demolition Prep Acceleration															264				264
BCR-CPC-21-017 -Waste Site Remediation 100-K-79_8															21,572				21,572
BCR-CPC-21-018 - PTB & Sick Leave Liability Transfer															0				0
BCR-CPC-21-019 - HPIC Updates July 2021																			
c. PM BASELINE (END OF PERIOD)	446,619	77,830	46,248	61,875	0	0	0	0	6,090	23,182	19,407	628	66,598	7,519	425,318	0	0	0	554,741
7. MANAGEMENT RESERVE																			6,302
8. TOTAL																			561,044

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 4 - STAFFING														FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR		2. CONTRACT				3. PROGRAM				4. REPORT PERIOD					
a. NAME Central Plateau Cleanup Company LLC		a. NAME Central Plateau Cleanup Company LLC				a. NAME Format 4				a. FROM (YYYYMMDD) 2021 / 06 / 21					
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER 89303320DEM000030				b. PHASE				b. TO (YYYYMMDD) 2021 / 07 / 25					
		c. TYPE IDIQ		d. SHARE RATIO		c. EVMS ACCEPTANCE <input type="checkbox"/> NO <input type="checkbox"/> YES (YYYYMMDD) N/A									
5. PERFORMANCE DATA															
WBS.Resp Org Group		ACTUAL CURRENT PERIOD	ACTUAL END OF CURRENT PERIOD (Cumulative)	FORECAST (Non-Cumulative)										AT COMPLETION	
ORGANIZATIONAL CATEGORY (1)		(2)	(3)	SIX MONTH FORECAST BY MONTH (Enter names of months)						ENTER SPECIFIED PERIODS					
				+1 AUG-2021 (4)	+2 SEP-2021 (5)	+3 OCT-2021 (6)	+4 NOV-2021 (7)	+5 DEC-2021 (8)	+6 JAN-2022 (9)	FEB-2022 (10)	MAR-2022 (11)	APR-2022 (12)	MAY-2022 (13)		FY2031 (14)
C0 - CPCCo Program Manager		17	108	17	17	0	0	0	0	0	0	0	0	142	
C1 - End States Strategy & Integ		52	318	55	51	2	1	0	0	0	0	0	0	426	
C2 - Inner Area End States		473	7686	482	477	237	276	148	116	138	63	37	46	9730	
C3 - Outer Area End States		345	1921	353	353	21	3	6	2	2	0	0	0	2660	
C4 - Waste Projects & Operations		386	2326	375	373	16	4	5	11	5	15	18	1	3172	
C5 - Soil & Groundwater Operations		161	996	150	144	14	15	17	5	3	3	3	3	1353	
C6 - Regulatory Strategy & Integr		65	398	82	76	26	19	24	15	10	1	0	0	651	
C7 - ESH&Q		64	408	66	67	0	0	0	0	0	0	0	0	541	
C8 - Chief Engineer		44	231	41	43	0	0	0	0	0	0	0	0	315	
C9 - Business Services		85	486	85	98	0	0	0	0	0	0	0	0	668	
g. TOTAL DIRECT		1693	14877	1706	1698	315	318	200	150	157	82	58	50	19660	

CLASSIFICATION (When Filled In)

FORMAT 5, DD FORM 2734/5, EXPLANATION AND PROBLEM ANALYSIS

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT								FORM APPROVED OMB No. 0704-0188	
FORMAT 5 - Explanations and Problem Analysis									
1. CONTRACTOR		2. CONTRACT			3. PROGRAM			4. REPORT PERIOD	
a. NAME Central Plateau Cleanup Company LLC		a. NAME Central Plateau Cleanup			a. NAME Central Plateau Cleanup Company LLC			a. FROM (YYYYMMDD) 2021/06/21	
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER 89303921FEM400029			b. PHASE			b. TO (YYYYMMDD) 2021/07/25	
		c. TYPE IDIQ	d. SHARE RATIO		c. EVMS ACCEPTANCE N/A NO YES				
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	77,830	62,504	66,163	(15,326)	-19.7%	(3,659)	-5.9%	0.80	0.94
Cumulative:	446,619	390,583	435,362	(56,035)	-12.5%	(44,779)	-11.5%	0.87	0.90
	BAC	EAC	VAC in \$	VAC in %	TCPI				
At Complete:	554,741	587,860	(33,118)	-6.0%	1.08				
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule and Cost Variance:</p> <p>The current month (CM) negative schedule variance is primarily due to RL-0040 and RL-0041 D&D implementation areas. Much of these delays are the result of the prioritizing of PFP scope.</p> <p>The CM negative cost variance is primarily due to the underestimation of remaining PRF rubble at PFP. Project management, engineering and the work crew re-evaluated the work site and believe there is potentially an additional 100 waste cans remaining under the soil than what was originally estimated, and the additional volume has caused the percentage of performance taken per can to be adjusted to compensate.</p> <p>Cumulative Schedule Variance: Most of the contract to date variance is due to the PFP capital asset project, which includes PRC historical performance data as required per DOE O 413.3B, <i>Program and Project Management for the Acquisition of Capital Assets</i>. As PFP has recovered schedule, it has been offset by negative schedule variances in other D&D work.</p> <p>Cumulative Cost Variance: Most of the contract to date variance is due to the PFP capital asset project, which includes PRC historical performance data as required per DOE O 413.3B, <i>Program and Project Management for the Acquisition of Capital Assets</i>.</p>									
Impact:									
<p>Current Period Schedule: The current month schedule variance is not expected to impact the overall contract schedule.</p> <p>Current Period Cost: Cost impacts are being estimated and will be incorporated in the project estimate to complete (ETC)</p> <p>Cumulative Schedule: N/A</p> <p>Cumulative Cost: N/A</p>									
Corrective Action:									
<p>Current Period Schedule: No corrective actions have been identified.</p> <p>Current Period Cost: No corrective action necessary.</p> <p>Cumulative Schedule: N/A</p> <p>Cumulative Cost: N/A</p>									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
<p>Currently, a variance at completion of -\$33.1 million is projected. This is primarily due to the PFP capital asset performance data being carried from the PRC. For July, the project was 19.7 percent behind schedule and 5.9 percent above planned cost. Contract to date, the project was 12.5 percent behind schedule and 11.5 percent above planned cost. Most of the contract to date variance is due to the PFP capital asset project, which includes PRC historical performance data as required per DOE O 413.3B, <i>Program and Project Management for the Acquisition of Capital Assets</i>.</p> <p>There was no difference between the Contract Budget Base and the Total Allocated Budget on Format 3 for the month of July.</p>									
Contractually Required Cost, Schedule, EAC variance, Management Reserve Use									
Variance in Performance BAC and EAC: The VAC between the BAC and EAC is -\$33.1 million, -6.0%.									

FORMAT 5, DD FORM 2734/5, EXPLANATION AND PROBLEM ANALYSIS

Format 1 and 3 Contract Data:

Contract Price Adjustments

CPs - In Process		
	Total Authorized Unpriced Work	\$168,883.5
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	\$168,883.5
Grand Total Adjustments		

Use of Undistributed Budget (UB), Management Reserve (MR), and Fee Activity:

Undistributed Budget Activity

BCR Number	Title	PBS	Fiscal Year	UB
N/A	N/A	N/A	2021	N/A

Management Reserve Activity

BCR Number	Title	PBS	Fiscal Year	MR
N/A	N/A	N/A	2021	N/A

Fee Activity

BCR Number	Title	PBS	Fiscal Year	Fee
N/A	N/A	N/A	2021	N/A

Best/Worst/Most Likely Estimate: The Best EAC is the EAC reported this month, which assumes all efficiencies gained contract-to-date will remain at completion with no use of management reserve. The most likely EAC is the EAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will remain at completion but all available management reserve is used (e.g., all identified risks realized). The worst EAC is the ACWP plus the ETC or BCWR if greater plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will be eroded at completion and all available management reserve is used (e.g., all identified risks realized), plus the scope identified in the Trend Log that is not in the EAC. The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.

Prepared by:	Date:	Approved by:	Date:
Project Controls Staff	8/10/2021		

Appendix B

Capital Asset Project

RL-0011.C2 - Demolition of PFP Facilities

July 2021

CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

SIGNIFICANT ACCOMPLISHMENTS

The Plutonium Finishing Plant (PFP) Closure Project team continued demolition and waste loadout of the 236-Z Plutonium Reclamation Facility (PRF) debris pile and remaining ancillary structures. A total of 53 roll-on/roll-off (RO/RO) containers were loaded with PRF debris, and 73 RO/RO containers containing 236-Z debris were shipped for disposal to the Environmental Remediation Disposal Facility in the month of July.

MAJOR ISSUES

None currently identified.

KEY RISKS

●	Opportunity is currently realized, or mitigation efforts are currently working toward or after risk trigger with no foreseeable impacts.	↑	Increased Confidence	New Risk
●	Mitigation efforts are currently working toward a risk trigger with the possibility of actions not in place prior to a risk occurrence. Recovery actions may be needed.	↔	No Change	Change
●	Risk is currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery action needed.	↓	Decreased Confidence	

Unmitigated Risk Impacts		Assessment		Comments						
		Month	Trend							
RL-0011										
Explanation of major changes to the project monthly spotlight chart: No major changes to the spotlight chart in July.										
Realized Risks (Risks that are currently impacting project cost/schedule)										
No realized risks identified in July.										
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed.)										
No critical risks identified in July.										
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)										
PFP-0001-T: Unavailable Resources	The project lacks adequate resource coverage to complete work package development and fieldwork activities. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$123K, 120 days	<div><div></div></div>	<div><div></div></div>	<div>Risk Trigger: Shortage of resources leads to the project’s inability to complete planned fieldwork.</div> <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Monitor and maintain adequate staffing levels to completed planned work scope.</td><td>Ongoing</td><td>N/A</td></tr></table> <div>Mitigation Assessment: No major changes in July. Resources have been reallocated to PFP from other Central Plateau Cleanup Company (CPCCo) projects. This risk was identified as a key risk for fiscal year (FY) 2021. While no discrete mitigation actions have currently been identified, the project continues to monitor staffing levels closely.</div>	Mitigation Action(s)	FC Date	%	Monitor and maintain adequate staffing levels to completed planned work scope.	Ongoing	N/A
Mitigation Action(s)	FC Date	%								
Monitor and maintain adequate staffing levels to completed planned work scope.	Ongoing	N/A								
PFP-0009-T: Bump and Roll, LAMP, or Other Contractor Hiring of Bargaining Unit Employees	Hanford Atomic Metal Trades Council (HAMTC) labor resources are not available or unqualified due to the bump and roll, LAMP (Labor Assets Management Program) or other job postings, resulting in schedule impacts to the project. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$0, 48 days	<div><div></div></div>	<div><div></div></div>	<div>Risk Trigger: Shortage of HAMTC resources leads to project inability to complete planned fieldwork.</div> <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Monitor and maintain adequate staffing levels to completed planned work scope.</td><td>Ongoing</td><td>N/A</td></tr></table> <div>Mitigation Assessment: No major changes in July. This risk was identified as a key risk for FY2021. While no discrete mitigation actions have currently been identified, the project continues to monitor staffing levels closely and potential upcoming bump and rolls or LAMPs.</div>	Mitigation Action(s)	FC Date	%	Monitor and maintain adequate staffing levels to completed planned work scope.	Ongoing	N/A
Mitigation Action(s)	FC Date	%								
Monitor and maintain adequate staffing levels to completed planned work scope.	Ongoing	N/A								
FY2021 Key Risks										
No key risks identified in July.										
Unassigned Risks (Pending ownership of identified threats/opportunities)										
No unassigned risks identified in July.										

Critical Path Analysis

The PFP critical path schedule begins with the completion of PRF loadout, which is forecast to occur by September 14, 2021, meeting one of the requirements of the *Hanford Federal Facility Agreement and Consent Order* Milestone M-083-00A, "Plutonium Finishing Plant (PFP) Facility Transition and Selected Disposition Activities." Demolition completion will be followed by site stabilization and demobilization, turnover to surveillance and maintenance and project closeout activities, completing by November 29, 2021.

CRITICAL DECISION MILESTONE STATUS

Number	Title	Due Date*	Actual Date	Forecast Date†	Status/Comment
RL-011.C2	Completion of demolition of all PFP facilities	9/30/2021		11/29/2021	Work resumption was planned in the revised DOE O 413.3B, <i>Program and Project Management for the Acquisition of Capital Assets</i> , Critical Decision (CD)-2 and CD-3 package for early October based on a phased resumption of work approach and to conserve personal protective equipment in response to coronavirus (COVID-19) impacts. The forecast date reflects the impacts for an additional 31 workdays to complete the size reduction and loadout of the 236-Z debris pile that had been underestimated.
<p>*Due date reflects CD-4 due date with U.S. Department of Energy, Richland Operations Office (RL) contingency. †Forecast date reflects CD-4 completion date (does not include RL schedule contingency).</p>					

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

None currently identified.

Appendix B

RL-0011.C2 - Demolition of PFP Facilities

Contract Performance Reports

Format 1 - Work Breakdown Structure

Format 2 - Organizational Categories

Format 3 - Baseline

Format 4 - Staffing

Format 5 - Explanation and Problem Analysis

July 2021

CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE														FORM APPROVED					
DOLLARS IN														Thousands of \$		OMB No. 0704-0188			
1. CONTRACTOR				2. CONTRACT				3. PROGRAM				4. REPORT PERIOD							
a. NAME Central Plateau Cleanup Company LLC				a. NAME Central Plateau Cleanup Company LLC				a. NAME RL-0011_C2 PFP CPR Formats				a. FROM (YYYYMMDD) 2021 / 06 / 21							
b. LOCATION (Address and ZIP Code) Richland, WA				b. NUMBER 89303320DEM000030				b. PHASE											
c. TYPE IDIQ				d. SHARE RATIO				c. EVMS ACCEPTANCE				b. TO (YYYYMMDD) 2021 / 07 / 25							
								NO				YES (YYYYMMDD) N/A							
5. CONTRACT DATA																			
a. QUANTITY		b. NEGOTIATED COST		c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/FEE		e. TARGET PRICE		f. ESTIMATED PRICE		g. CONTRACT CEILING		h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS (YYYYMMDD)			
1		150,986		0		0		150,986		205,435		150,986		205,435					
6. ESTIMATED COST AT COMPLETION																7. AUTHORIZED CONTRACTOR REPRESENTATIVE			
				MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Downing, Katie				b. TITLE Prime Contract Manager					
a. BEST CASE				199,133						c. SIGNATURE				d. DATE SIGNED (YYYYMMDD)					
b. WORST CASE				205,503															
c. MOST LIKELY				205,435		150,986		-54,450											
8. PERFORMANCE DATA																			
Control Account.PBS WBS (2) ITEM (1)		CURRENT PERIOD				CUMULATIVE TO DATE				REPROGRAMMING ADJUSTMENTS				AT COMPLETION					
		BUDGETED COST		ACTUAL		VARIANCE		BUDGETED COST		ACTUAL		VARIANCE							
		WORK SCHEDULED (2)	WORK PERFORMED (3)	COST WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	COST WORK PERFORMED (9)	SCHEDULE (10)	COST (11)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)		
RL-0011 Nuclear Mat Stab & Disp																			
11.05 Disposition PFP Facility		0	512	3,061	512	-2,550	122,979	116,012	160,110	-6,967	-44,098	0	0	0	122,979	170,770	-47,791		
b. COST OF MONEY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
c. GENERAL AND ADMINISTRATIVE		0	82	505	82	-423	21,704	20,585	26,626	-1,120	-6,041	0	0	0	21,704	28,363	-6,659		
d. UNDISTRIBUTED BUDGET															0	0	0		
e. SUBTOTAL		0	594	3,567	594	-2,972	144,683	136,596	186,736	-8,087	-50,139	0	0	0	144,683	199,133	-54,450		
f. MANAGEMENT RESERVE															6,302				
g. TOTAL		0	594	3,567	594	-2,972	144,683	136,596	186,736	-8,087	-50,139	0	0	0	150,986				
9. RECONCILIATION TO CONTRACT BUDGET BASELINE																			
a. VARIANCE ADJUSTMENT																			
b. TOTAL CONTRACT VARIANCE																			

CLASSIFICATION (When Filled In)

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT												FORM APPROVED					
FORMAT 2 - ORGANIZATIONAL CATEGORIES												OMB No. 0704-0188					
1. CONTRACTOR		2. CONTRACT				3. PROGRAM				4. REPORT PERIOD							
a. NAME		a. NAME				a. NAME				a. FROM (YYYYMMDD)							
Central Plateau Cleanup Company LLC		Central Plateau Cleanup Company LLC				RL-0011_C2 PFP CPR Formats				2021 / 06 / 21							
b. LOCATION (Address and ZIP Code)		b. NUMBER				b. PHASE				b. TO (YYYYMMDD)							
Richland, WA		89303320DEM000030								2021 / 07 / 25							
c. TYPE		d. SHARE RATIO		c. EVMS ACCEPTANCE													
IDIQ				NO YES (YYYYMMDD) N/A													
5. PERFORMANCE DATA																	
WBS.Resp Org Group		CURRENT PERIOD						CUMULATIVE TO DATE				REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
		BUDGETED COST		ACTUAL COST WORK PERFORMED	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED	VARIANCE		COST VARIANCE	SCHEDULE VARIANCE	BUDGET	BUDGETED	ESTIMATED	VARIANCE
		WORK SCHEDULED	WORK PERFORMED		SCHEDULE	COST	WORK SCHEDULED	WORK PERFORMED		SCHEDULE	COST						
ITEM (1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)
C2 - Inner Area End States		0	512	3,061	512	-2,550	122,979	116,012	160,110	-6,967	-44,098	0	0	0	122,979	170,770	-47,791
b. COST OF MONEY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE		0	82	505	82	-423	21,704	20,585	26,626	-1,120	-6,041	0	0	0	21,704	28,363	-6,659
d. UNDISTRIBUTED BUDGET															0	0	0
e. SUBTOTAL (Performance Measurement Baseline)		0	594	3,567	594	-2,972	144,683	136,596	186,736	-8,087	-50,139	0	0	0	144,683	199,133	-54,450
f. MANAGEMENT RESERVE															6,302		
g. TOTAL		0	594	3,567	594	-2,972	144,683	136,596	186,736	-8,087	-50,139	0	0	0	150,986		

CLASSIFICATION (When Filled In)

RL-0011 Includes RL-011.C2-CAP from PRC BCWS = 142,472, BCWP = 128,635, and ACWP = 172,467

July 2021

CONTRACT PERFORMANCE REPORT															Form Approved					
FORMAT 3 - BASELINE										DOLLARS IN THOUSANDS					OMB No. 0704-0188					
1. CONTRACTOR Central Plateau Cleanup Company LLC b. LOCATION: Richland, WA			2. CONTRACT a. NAME: Central Plateau Cleanup b. NUMBER: 89303320DEM000030 c. TYPE: IDIQ d. SHARE RATIO:				3. PROGRAM RL_0011_C2 PFP Demolition Capital Asset Project a. NAME: Central Plateau Cleanup Company LLC b. PHASE c. EVMS ACCEPTANCE NO YES N/A				4. REPORT PERIOD a. FROM: 2021/06/21 b. TO: 2021/07/25									
5. CONTRACT DATA																				
a. ORIGINAL NEGOTIATED COST 51,683			b. NEGOTIATED CONTRACT CHANGE \$99,303		c. CURRENT NEGOTIATED COST (A + B) \$150,986		d. ESTIMATED COST AUTH UNPRICED WORK \$0		e. CONTRACT BUDGET BASE (C + D) \$150,986		f. TOTAL ALLOCATED BUDGET \$150,986		g. DIFFERENCE (E - F) 0							
h. CONTRACT START DATE 1/25/2021			i. DEFINITIZATION DATE 1/25/2021		j. PLANNED COMPL DATE 9/30/2021		k. CONT COMPLETION DATE 5/24/2021				l. EST COMPLETION DATE 9/30/2021									
6. PERFORMANCE DATA																				
ITEM (1)	BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	SIX MONTH FORECAST						BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)										UNDISTRIB BUDGET (19)	TOTAL BUDGET (20)
			+1 Aug-21 (4)	+2 Sep-21 (5)	+3 Oct-21 (6)	+4 Nov-21 (7)	+5 Dec-21 (8)	+6 Jan-22 (9)	FY15 (12)	FY16 (13)	FY17 (14)	FY18 (15)	FY19 (16)	FY20 (17)	FY21 (18)	FY22 (17)	FY23 (18)			
a. PM BASELINE (BEGIN OF PERIOD)	144,683	0	0	0	0	0	0	0	6,090	29,182	19,407	628	66,598	7,519	15,260	0	0	0	144,683	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																				
None																		0	0	
c. PM BASELINE (END OF PERIOD)		0	0	0	0	0	0	0	6,090	29,182	19,407	628	66,598	7,519	15,260	0	0	0	144,683	
7. MANAGEMENT RESERVE																			6,302	
8. TOTAL																			150,986	

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 4 - STAFFING														FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR		2. CONTRACT				3. PROGRAM				4. REPORT PERIOD					
a. NAME Central Plateau Cleanup Company LLC		a. NAME Central Plateau Cleanup Company LLC				a. NAME RL-0011 C2 PFP CPR Formats				a. FROM (YYYYMMDD) 2021 / 06 / 21					
b. LOCATION (Address and ZIP Code) Richland. WA		b. NUMBER 89303320DEM000030				b. PHASE				b. TO (YYYYMMDD) 2021 / 07 / 25					
		c. TYPE IDIQ		d. SHARE RATIO		c. EVMS ACCEPTANCE <input type="checkbox"/> NO <input type="checkbox"/> YES (YYYYMMDD) N/A									
5. PERFORMANCE DATA															
WBS.Resp Org Group ORGANIZATIONAL CATEGORY (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)												AT COMPLETION (15)
			SIX MONTH FORECAST BY MONTH (Enter names of months)						ENTER SPECIFIED PERIODS						
			+1 AUG-2021 (4)	+2 SEP-2021 (5)	+3 OCT-2021 (6)	+4 NOV-2021 (7)	+5 DEC-2021 (8)	+6 JAN-2022 (9)	FEB-2022 (10)	MAR-2022 (11)	APR-2022 (12)	MAY-2022 (13)	FY2031 (14)		
C2 - Inner Area End States	161	5691	148	139	136	120	22	0	0	0	0	0	0	6255	
g. TOTAL DIRECT	161	5691	148	139	136	120	22	0	0	0	0	0	0	6255	

CLASSIFICATION (When Filled In)

RL-0011 Includes RL-011.C2-CAP from PRC BCWS = 142,472, BCWP = 128,635, and ACWP = 172,467

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT								FORM APPROVED OMB No. 0704-0188	
FORMAT 5 - Explanations and Problem Analysis									
1. CONTRACTOR		2. CONTRACT		3. PROGRAM				4. REPORT PERIOD	
a. NAME Central Plateau Cleanup Company LLC		a. NAME Central Plateau Cleanup		a. NAME RL_0011_C2 PFP Demolition Capital Asset Project				a. FROM (YYYYMMDD)	
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER 89303921FEM400029		b. PHASE				2021 / 06 / 21	
		c. TYPE IDIQ	d. SHARE RATIO	c. EVMS ACCEPTANCE No Yes (YYYYMMDD) N/A				b. TO (YYYYMMDD) 2021 / 07 / 25	
Direct Projects									
5. Evaluation		Budget	Earned	Actuals	SV in \$	SV in %	CV in \$	CV in %	CPI
Current:		0	594	3,567	594.2	0	-2,972.4	-500.2%	0.17
Cumulative:		144,683	136,596	186,736	-8,086.9	-5.6%	-50,139.1	-36.7%	0.73
		BAC	EAC	VAC in \$	VAC in %	TCPI to BAC	TCPI to EAC		
At Complete:		144,683	199,133	-54,450	-37.6%	0	0.65		
Explanation of Variance/Description of Problem:									
<p>Current Month Schedule Variance:</p> <p>The positive CM schedule variance is due to the resumption of behind schedule PFP demolition activities. Demolition was scheduled to resume on October 1, 2020; however, due to delays related to the coronavirus pandemic, demolition resumption did not begin until April 6, 2021. All BCWS for the Capital Asset Project 2 (CAP2) project is historical; therefore, all future performance will result in a positive current period schedule variance.</p> <p>Current Month Cost Variance:</p> <p>The negative CM cost variance is due to the underestimation of remaining PRF rubble. Project management, engineering and the work crew re-evaluated the work site and believe there is potentially an additional 100 waste cans remaining under the soil than what was originally estimated and the additional volume has caused the percentage of performance taken per can to be adjusted to compensate. The additional volume of material has caused the completion of 236-Z loadout to be delayed an additional 31 work days.</p> <p>Cumulative to Date Schedule Variance:</p> <p>The negative cumulative schedule variance is due to delayed demolition activities at PFP. The Plutonium Reclamation Facility (PRF) load out was scheduled to resume in October 2020, however, due to the coronavirus pandemic, reliability of PPE was uncertain so resumption of demolition activities was delayed. Resumed demolition activities in February 2021 included completing the demolition and loadout of ancillary PFP structures, including MO605 and six laundry Conex containers. Heavy equipment maintenance and site set up activities also began in the high contamination area in preparation for PRF demolition. Demolition/Loadout of PRF debris resumed in April with a final project completion date scheduled for September 30, 2021.</p> <p>Cumulative to Date Cost Variance:</p> <p>The cumulative negative cost variance is associated with HMIS resources arriving to support PFP demolition that were planned as P/Q shift support. Additionally, Readiness Assessment activities lagged due to a delay in the start of 236-Z Demolition and increased requirements to show readiness resulting in increased costs due to additional time and effort required from subcontracted and direct labor resources. The apportioned project management activities (i.e. project oversight and planning) and support activities are ongoing, while a delay in the discrete field work is resulting in minimal apportioned BCWP. Demolition mobilization activities took longer than originally assumed because of recommendations made during the readiness assessment and purchasing unplanned PBS fixative to support 236-Z demolition. In addition, significant winter weather impacts (i.e., snow, wind, freezing rain, etc.) have been recognized on the Hanford Site. Site closures, freezing temperatures and significant snowfall that required clearing of the demolition zone rather than performing physical demolition on the facilities while a constant staff provides demolition support services is a contributing factor. Unplanned Management Assessment efforts for the 234-SZ and 291-Z facilities took longer than originally assumed. Impacts associated with the Stop Work that was initiated by the HAMTC union leadership on November 11, 2017 "associated with concerns over events both inside and outside of the facility." The main issue involved employee proximity to radiological boundary areas during demolition. Radiological boundaries were reconfigured and impacted employees were relocated. As the project gets further into the demolition phase of the PRF Canyon, increased utilization of Personnel Protective Equipment to align with the original plan as well as increased material procurements to align with the scope being performed (i.e., P-100 filters, Labounty Shear, additional fixative, etc.) are also contributing to this variance. An adjustment to the General & Administrative (G&A) Rate for FY2017 resulted in a reduction to the Performance Measurement Baseline (PMB) of \$463K. Finally, impacts from a contamination event that occurred on Friday, December 15, 2017, swing shift where RadCon personnel performing routine surveys following the day shift demolition activities discovered low level contamination on a cookie sheet. This led to a wider search, and a "speck" of contamination was smeared from a government vehicle. A CHPRC management stop work on demolition activities was declared and a critique held to discuss the contamination spread, possible causes, and path forward. A root cause analysis was conducted and resumption actions identified.</p> <p>This is partially offset by recognized efficiencies associated with the removal of the 18 sections of the PRF gallery gloveboxes, progress on demolition of 236-Z, demolition of the 2727-Z and 2729-Z facilities, the 242-ZA and 242-Z facilities, the 291-Z facility, 291-Z stack, 234-5ZA, 252-Z1, 2503-Z, 2735Z, 2734ZA, ZB, ZC, ZD, and ZL facilities.</p>									
Impact:									
<p>Schedule Impact: Completion of all demolition activities followed by site stabilization and demobilization, turnover to surveillance and maintenance, and project closeout activities forecast to occur in September 2021. The TPA Milestone TPA-083-00A, complete PFP facility transition and selected disposition activities of November 30, 2017, was not met.</p> <p>Cost Impact: A negative VAC is reflective of impacts associated with recovery efforts from a contamination event that occurred on December 15, 2017.</p>									
Corrective Action:									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
<p>There was no change in the difference between the Contract Budget Base and the Total Allocated Budget on Format 3 for the month of July.</p> <p>The following items are addressed, as applicable:</p> <ol style="list-style-type: none"> Schedule Margin Analysis: No drawdowns of schedule margin were made in the month of July. Data dictionary Changes: No change in the month of July. Forecast Schedule with No Baseline: No change in the month of July. UB Balance: No change in the month of July. Negative Actual Cost of Work Performed (ACWP): No change in the month of July. Earned Actual Cost (EAC) Analysis: Best Case = \$191,133; Most Likely = \$205,435; Worst Case = \$205,503. The Best Case EAC is the EAC reported this month, which assumes all efficiencies gained contract to-date will remain at completion with no realization of remaining risks. The Most Likely EAC is the ACWP plus what management believes is the most likely outcome based on a knowledgeable estimate of all authorized work, known risks, unknown risks, and probable future conditions. The Worst Case EAC is the ACWP plus the ETC plus realization of all identified risks, plus the scope identified in the Trend Log. The Best/Worst and Most Likely EAC values are documented in the Format 1 Report. Negative CV > VAC: No change in the month of July. Management Reserve Transactions: No management reserve transactions were made in the month of July. Freeze Period Changes: No change in the month of July. Retroactive Changes: No change in the month of July. Earned Value Type Changes: No change in the month of July. 									
Prepared by: Eric Denton		Date: 8/10/2021		Approved by:				Date:	

Appendix C

Contract Funds Status Report

July 2021

CPCC-2021-07, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
Deliverable C.6.2.1

CLASSIFICATION

CONTRACT FUNDS STATUS REPORT (Dollars in millions)Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 8 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ORGANIZATION.**

1. CONTRACT NUMBER 89303921FEM400029	3. CONTRACT FUNDING FOR INC FOR FY2021	5. PREVIOUS REPORT DATE 2021/05/24 - 2021/06/20	7. CONTRACTOR (Name, address and zip code) Central Plateau Cleanup Company LLC Richland, WA 99352	9. INITIAL CONTRACT PRICE a. TARGET \$187.5M b. CEILING \$187.5M
2. CONTRACT TYPE CPAF	4. APPROPRIATION Energy	6. CURRENT REPORT DATE 2021/06/21 - 2021/07/22	8. PROGRAM Implementation Period	10. ADJUSTED CONTRACT PRICE a. TARGET \$418.6M b. CEILING \$418.6M

11. FUNDING INFORMATION												
LINE ITEM/WBS ELEMENT a	APPROPRIATION IDENTIFICATION b	FUNDING AUTHORIZED TO DATE c	ACCRUED EXPENDITURES OPEN COMMITMENTS TOTAL d	CONTRACT WORK AUTHORIZED			FORECAST			TOTAL REQUIREMENTS k	FUNDS CARRY-OVER l	NET FUNDS REQUIRED m
				DEFINITIZED e	NOT DEFINITIZED f	SUBTOTAL g	NOT YET AUTHORIZED h	ALL OTHER WORK i	SUBTOTAL j			
RL-0011		23.3	18.0	30.5		30.5		-2.3	-2.3	28.2		28.2
RL-0013C		119.3	96.8	146.4		146.4		-11.0	-11.0	135.4		135.4
RL-0030		70.3	55.1	80.9		80.9		-6.1	-6.1	74.8		74.8
RL-0201		1.5	1.0	1.6		1.6		-0.1	-0.1	1.5		1.5
RL-0040		52.4	38.8	56.7		56.7		-4.3	-4.3	52.4		52.4
RL-0041		83.9	69.0	99.8		99.8		-7.5	-7.5	92.3		92.3
RL-0042		2.1	1.7	2.7		2.7		-0.2	-0.2	2.5		2.5
Total		352.7	280.4	418.6		418.6		-31.4	-31.4	387.2		387.2

12. CONTRACT WORK AUTHORIZED (With Fee/Profit) - ACTUAL OR PROJECTED											
	ACTUAL TO DATE	PROJECTED									AT COMPLETION
a. OPEN COMMITMENTS											
b. ACCRUED EXPENDITURES	280.4	106.8									387.2
c. TOTAL (12a + 12b)	280.4	106.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387.2
13. FORECAST OF BILLINGS TO THE GOVERNMENT											
14. ESTIMATED TERMINATION COSTS											

15. REMARKS
Contract Price includes \$26.5M of Award Fee.

DD FORM 1586, AUG 96

PREVIOUS EDITION MAY BE USED.

Page 1 of 1 Pages

CLASSIFICATION