

Monthly Performance Report

June 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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 **CPC** Co
Central Plateau
Cleanup Company
P.O. Box 1464
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APPROVED

By Janis Aardal at 12:23 pm, Jul 14, 2021

Release Approval

Date

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Monthly Performance Report

June 2021

CPCC-2021-06, 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 June reporting period under the Implementation Period Task Order (Task Order 2). 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) 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 59 roll-on/roll-off (RO/RO) containers were loaded with PRF debris and 40 RO/RO containers containing 236-Z debris were shipped for disposal to the Environmental Restoration Disposal Facility (ERDF) in the month of June. Three drums containing radioactive sources were shipped to the Waste Receiving and Processing Facility (WRAP), initiating the closure of the PFP Material Balance Area. The final mockup for the 236-Z and 242-Z slab characterization scope was completed and preparation began for presentation to the Hazard Review Board.

RL-0013 – Solid Waste Stabilization and Disposition: The Waste Encapsulation and Storage Facility (WESF) Modifications construction contractor completed size reduction of the truck port cover blocks and removal of the ISO tank near the truck post opening. Nondestructive assay of two large waste containers located at the Central Waste Complex (CWC) Outside Storage Area A was performed to validate and update radiological characterization for each waste box to determine the proper disposition path. T Plant personnel completed concrete spalling repairs at 221T on May 27, 2021. WRAP Operations and Independent Reviewer completed the Implementation Verification Review Checklist for the controls outlined in the RL-approved Evaluation of Safety of the Situation for the Operational Awareness, DOE-ASMT-2020-4142, Solid Waste Operations Complex (SWOC) Master Documented Safety Analysis (MDSA) Review, CHPRC-04448, Revision 1. WRAP Operations declared implementation of safety basis changes effective on May 24, 2021. At WESF, personnel completed the removal and packaging of truck port cover blocks and shipped them to ERDF. WESF personnel also accelerated electrical preventive maintenance (PM) during Project W135 electrical utility overhead power line outage work from June 10 to 13, 2021. The electrical outage allowed work to be performed on Motor Control Centers 2, 3, 4 and 5 and the 211BA, 272B, 272BA and 272BB Buildings along with substation C8-S26/3B breaker replacement/swap. Performing the PM earlier than the 2021 fall due date reduced the need for a separate facility power outage. In addition, exhaust fan 1 of the WESF K3N heating, ventilation and air conditioning system was also replaced. Six mixed low-level waste (MLLW) boxes were received from Perma-Fix Northwest (PFNW) and disposed to mixed waste trench 31. CWC received eight transuranic mixed solid waste boxes from PFWN and shipped 28 MLLW drums from various CWC waste storage buildings to PFWN. ERDF received 8,634 tons of waste for disposal. The Integrated Disposal Facility (IDF) operations and maintenance crew completed the monthly and quarterly inspections and four significant storm event inspections as well as pumping down the leachate collection and removal sumps for cells 1 and 2. The IDF operational readiness construction efforts completed construction punchlisted items: ongoing supervisory control and data acquisition installation, final erection of the domes, and future installation of waste storage and treatment pads remains. Replacement of the primary liners in the leachate collection tanks was initiated with the removal of the existing liners.

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 and loadout of the 214A PUREX Warehouse and 2714A Dry Chemical Warehouse facilities. Crews also completed abatement of 427 feet of asbestos-insulated steam lines west of PUREX. At the Reduction-Oxidation (REDOX) plant, crews completed construction of the REDOX transuranic waste storage area. Additionally, the team submitted the Emergency Preparedness Hazard Analysis revision to RL for review and approval to support the Documented Safety Analysis, Revision 8, implementation.

RL-0041 – Nuclear Facility D&D, River Corridor Closure Project: Crews completed shearing, size reducing and loadout of pipe debris and soil from the 100-K-79:7 pipeline sub-site, as well as downposting and global positioning radiological surveys of the 100-K-79:7 waste site. Teams loaded out 2,625 tons of contaminated soil and debris to ERDF from the 100-K-79:7 and 100-K-55:2 waste sites. The team at 165KE shipped 240 cans of demolition debris to ERDF for disposal and commenced removal of 165KE to 105KE tunnel piping in preparation for tunnel removal. At 105KW teams commenced garnet filter media retrieval and completed transfer of garnet filter media from Vessel 1 into the first sludge transport and storage container, completed installation and construction acceptance testing of the vertical pipe casing in the 105KW Basin and installed a shear into the basin and began size reduction. The 324 Building Disposition team completed Room 18 exhaust hose removal. Airlock core team resumption training and A-Cell dam grout injection training was completed. Teams also completed installation of equipment storage facility and Pit 6 soil stabilization demonstrations.

RL-0042 – Fast Flux Test Facility (FFTF): The IAES project successfully completed the return to service activities for the P-16 pump. Additionally, 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, White Bluffs Bank, Bruggemann Warehouse and Allard Pump House. Activities included radiological control surveys and electrical PM. At B Reactor, the project set up and cleaned the vertical safety rods and ball hoppers on top of B Reactor in the Contamination Area (CA). During the cleaning, workers discovered that the gear boxes for the vertical safety rod winches were full of oil. Planning for polychlorinated biphenyl testing and waste stream is in process. The X0 laboratory CA and fuel storage basin were also cleaned. In addition, the air conditioner for the count trailer was replaced, and location of the new restroom trailer was delineated. At the White Bluffs Bank, repairs to the stoop were performed, the sidewalk was extended and gravel was added to level the entrance. At the Bruggemann Warehouse, the fire ring and door shelter were dismantled.

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. CPCCo is leading the Hanford Atomic Metal Trades Council Collective Bargaining Agreement (CBA) negotiations for Hanford Site contractors. Meetings have commenced with the other Hanford contractor's labor representatives in preparation for CBA negotiations that will occur in the fall. The CBA parameters for CPCCo were submitted to RL in June. The Microsoft Office upgrade to O365 is in process for HLAN standard workstation users. The Information Management team has been actively testing with users across CPCCo and

initiating exceptions, as needed. A telework focus group has been established to develop a teleworking program for CPCCo. Despite limited internal resources, Business Performance has successfully completed required deliverables.

Environment, Safety, Health and Quality (ESH&Q): One recordable injury was incurred during the reporting period. An employee miss-stepped off a berm resulting in a hamstring strain/tear that resulted in prescribed medication and a missed day of work. As of June 20, 2021, the DART rate stood at 0.149 and TRC rate at 0.149. ESH&Q conducted two Emergency Preparedness (EP) drills across several projects and submitted four EP technical documents to RL for review and approval. Fifty-two assessments and 108 management observations were completed across programmatic areas. 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 April Contractor Assurance System and the Safety Management Program for Fire Protection. CPCCo supported two regulatory compliance inspections, one agency permit group visit and the RL CY21 Hanford Site *Resource Conservation and Recovery Act of 1976* (RCRA) Dangerous Waste Permit General Area Inspection of the 200 West Area. RL kicked off an audit of the CPCCo Quality Assurance Program.

Environmental Regulatory Management: CPCCo has developed a new approach to establishing *Hanford Federal Facility Agreement and Consent Order* (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 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.

End States Strategy and Integration (ESS&I): RL issued Requests for Task Proposals (RTPs), including template Terms and Conditions and scoping narratives. CPCCo evaluated the RTPs and gathered input and recommendations focused on clarifying applicability of terms to cost reimbursement versus firm fixed price work and further defining the scope requested under each RTP to enable a mutual understanding of the technical, schedule and cost basis for proposals to be developed. In July, RL and CPCCo will co-host partnering workshops to better understand the RTPs. The team continues to develop business cases 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 subcontract was approved by the RL Contracting Officer as required under the H.39, DOE-H-2064 Use of Information Technology Equipment, Software, and Third-Party Services. In June, a requirements gathering session was held with internal CPCCo leadership, which resulted in an initial set of strategic objectives and potential planning parameters for the PREP tool. This will be used as a starting point for gathering similar input

from RL and regulator stakeholders, to ensure the tool is developed to enable effective discussions and decision making. These sessions will be conducted during July and August and will determine how different planning factors and existing data sets are evaluated by the PREP toolset for their ultimate impact on reducing lifecycle environmental liability and human, health and environment risk.

Chief Engineer Organization: The Chief Engineer organization continued progress in key staffing actions including onboarding new hires to backfill attrition and staff augmentation resources in Nuclear Safety and Engineering. A long-term Central Engineering Manager and Waste Projects and Operations Engineering Manager have been recruited and will start work in August. The Fire Protection Safety Management Program briefing was delivered to the Executive Safety Review Board that confirmed a “Green” (healthy) status. A parent company staffed Independent Assessment of the CPCCo Nuclear Safety Function has been organized and will commence their site visit the week of June 21, 2021. Re-branding and updates to procedures are progressing company wide.

MAJOR ISSUES

Projects

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	20.0	28.9	(8.8)
RL-0013	Solid Waste Stabilization and Disposition	127.9	118.3	9.7
RL-0013	W-135 WESF Mods 18-D-404	27.5	9.8	17.7
RL-0030	Soil, Groundwater and Vadose Zone Remediation	84.3	74.5	9.8
RL-0201	B Reactor	2.1	1.7	0.4
RL-0040	Nuclear Facility D&D, Remainder of Hanford	54.8	48.7	6.1
RL-0041	Nuclear Facility D&D, River Corridor	92.5	85.6	6.8
RL-0042	Fast Flux Test Facility Closure	3.2	2.4	0.9
Total Fiscal Year Spending Forecast		412.4	369.7	42.7

Values are rounded to the nearest \$0.1 million

Funds/Variance Analysis:

FY2021 projected funding of \$412.4 million remains the same as last month. The spending forecast of \$369.7 million reflects a reduction of \$10.2 million which reflects an increase in RL-0011 offset by decreases in the other projects primarily to incorporate labor trends based on the rate of attrition.

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	0.8	3.4	3.9	2.7	(0.5)	147.1	138.5	185.9	(8.7)	(47.5)	149.0	207.2	(58.2)
RL-0013 - Solid Waste Stab & Disposition	13.9	12.4	12.8	(1.5)	(0.4)	79.6	70.7	65.7	(8.9)	5.0	139.0	126.3	12.6
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	9.2	8.0	7.6	(1.2)	0.4	47.8	41.3	34.5	(6.5)	6.8	81.4	74.3	7.0
RL-0040 - Nuc Fac D&D - Remainder	6.2	3.7	5.9	(2.5)	(2.2)	37.5	26.0	30.0	(11.5)	(4.1)	65.5	64.8	0.7
RL-0041 - Nuc Fac D&D - RC Closure Project	10.1	9.7	10.5	(0.5)	(0.8)	55.1	49.9	50.6	(5.2)	(0.7)	94.2	91.5	2.7
RL-0042 - Nuc Fac D&D - FFTF Project	0.3	0.2	0.3	(0.1)	(0.1)	1.1	1.2	1.5	0.1	(0.3)	2.4	2.4	(0.0)
RL-0201 - Hanford Site-Wide Services	0.1	0.1	0.4	-	(0.3)	0.5	0.5	0.9	-	(0.4)	0.9	1.7	(0.8)
(Values are rounded to the nearest \$0.1M) Total	40.5	37.4	41.3	(3.0)	(3.9)	368.8	328.1	369.2	(40.7)	(41.1)	532.3	568.4	(36.1)

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

Currently, a variance at completion of -\$36.1 million is projected. This is primarily due to the PFP capital asset performance data being carried from the PRC. For June, the project was 7.5 percent behind schedule and 10.3 percent above planned cost. Contract to date, the project was 11.0 percent behind schedule and 12.5 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			
	Award Value	% of total	Goal %
SB	\$ 44.0	72.7%	60.0%
VOSB	\$ 7.0	11.6%	3.0%
SDVO	\$ 6.2	10.3%	3.0%
HUB	\$ 3.8	6.2%	3.0%
SDB	\$ 16.5	27.3%	5.0%
SWOB	\$ 5.6	9.2%	5.0%
Total	\$ 60.5	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 Task Order 2 (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				
	Award Value	% of total	Goal %	Goal \$
VOSB	\$ 7.0	11.6%	3.0%	\$ 1.1
SDVO	\$ 6.2	10.3%	3.0%	\$ 1.1
HUB	\$ 3.8	6.2%	3.0%	\$ 1.1
SDB	\$ 16.5	27.3%	5.0%	\$ 1.8
SWOB	\$ 5.6	9.2%	5.0%	\$ 1.8
Total Subcontracted	\$ 60.5	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	\$ 397.1
Small Business Cumulative Goal	18.0%
Total Goal	\$ 71.5
Small Business Cumulative Performance	\$ 44.0

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 business. 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	\$ 18.1	73.4%	63	48.8%
Noncompetitive Awards	\$ 6.5	26.6%	66	51.2%
Total	\$ 24.6		129	

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)	\$ 37.4	61.9%
Non FFP	\$ 23.1	38.1%
Total	\$ 60.5	

Values are rounded to the nearest \$0.1M

- CPCCo has made it a priority to issue new awards using a firm fixed price 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 June. One recordable injury was incurred during the reporting period. An employee miss-stepped off a berm resulting in a hamstring strain/tear that resulted in prescribed medication and a missed day of work. As of June 20, 2021, the DART rate stood at 0.149 and TRC rate at 0.149.

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)

June 2021

CPCC-2021-06, Revision 0

U.S. Department of Energy
Contract 89303320DEM000030
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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 59 roll-on/roll-off (RO/RO) containers were loaded with PRF debris and 40 RO/RO containers containing 236-Z debris were shipped for disposal to the Environmental Restoration Disposal Facility (ERDF) in the month of June. Three drums containing radioactive sources were shipped to the Waste Receiving and Processing Facility (WRAP), initiating the closure of the PFP Material Balance Area (MBA). The final mockup for the 236-Z and 242-Z slab characterization scope was completed and preparation began for presentation to the Hazard Review Board.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

SAFETY PERFORMANCE

	Current Month	Contract to Date*	Comment
Days Away, Restricted or Transferred	1	1	6/7/2021 - Employee stepped off a berm into the ditch, misjudging the distance. They hyper-extended their knee and heard a loud pop. HMPC performed an evaluation and determined that they needed to be transported to Kadlec for further evaluation. Transported by the Hanford Fire Department ambulance to Kadlec emergency room. (40075)
Total Recordable Injuries	0	0	N/A
First Aid Cases	2	4	6/10/2021 - Employee was preparing for work and leaned over to pick up their work boots and felt pain in their lower middle back. (40081) 6/28/2021 - Employee was in the process of transferring fixative into the water truck when they felt a pop in their right hip. (40093)
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 spotlight chart: No major changes to the spotlight chart in June.										
Realized Risks (Risks that are currently impacting project cost/schedule)										
No realized risks identified in June.										
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed.)										
No critical risks identified in June.										
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			Risk Trigger: Shortage of resources leads to the project’s inability to complete planned fieldwork. <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> Mitigation Assessment: No major changes in June. 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.	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			Risk Trigger: Shortage of HAMTC resources leads to project inability to complete planned fieldwork. <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> Mitigation Assessment: No major changes in June. 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.	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 June.										
Unassigned Risks (Pending ownership of identified threats/opportunities)										
No unassigned risks identified in June.										

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	0.8	3.4	3.9	2.7	355.9%	(0.5)	-13.4%

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	147.1	138.5	185.9	(8.7)	-5.9%	(47.5)	-34.3%	149.0	207.2	21.3	(58.2)

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	20.0	28.9	(8.8)

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The FY2021 variance of -\$8.8 million reflects projected funding of \$20.0 million and a spending forecast of \$28.9 million. Funding availability within the Central Plateau control point will be evaluated for offsetting the negative variance in the event it continues.

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 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 May. Change to management reserve (MR): No changes in May.		

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		11/29/2021	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 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 work days 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)

June 2021

CPCC-2021-06, 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 W-135 MCSC Project continues closeout of Capsule Storage Area (CSA) construction punchlist items. The Waste Encapsulation and Storage Facility (WESF) Modifications construction contractor completed size reduction of the truck port cover blocks and removal of the isolation tank near the truck post opening. Progress continued on the Cask Storage System (CSS) equipment with completion of lead pours for the G Cell recovery shield.

Waste Projects & Operations

Nondestructive assay of two large waste containers located at the Central Waste Complex (CWC) Outside Storage Area A (OSA A) was performed to validate and update radiological characterization for each waste box to determine the proper disposition path. Canister Storage Building (CSB) personnel performed the monthly propane generator preventive maintenance (PM), safely inspected an electrical disconnect and performed the annual air compressor maintenance. T Plant personnel completed concrete spalling repairs at 221T on May 27, 2021. Waste Receiving and Processing (WRAP) Facility Operations and Independent Reviewer completed the Implementation Verification Review Checklist for the controls outlined in the U.S. Department of Energy (DOE), Richland Operations Office (RL) approved Evaluation of Safety of the Situation (ESS) for the Operational Awareness, DOE-ASMT-2020-4142, Solid Waste Operations Complex (SWOC) Master Documented Safety Analysis (MDSA) Review, CHPRC-04448, Revision 1. WRAP Facility Operations declared implementation of safety basis changes effective on May 24, 2021. At WESF, personnel completed the removal and packaging of truck port cover blocks and shipped them to the Environmental Restoration Disposal Facility (ERDF). WESF personnel also accelerated the facility electrical PM during Project W135 electrical utility overhead power line outage work from June 10 to 13, 2021. The electrical outage allowed work to be performed on Motor Control Centers 2, 3, 4 and 5 and the 211BA, 272B, 272BA and 272BB Buildings along with substation C8-S26/3B breaker replacement/swap. Performing the PM earlier than the 2021 fall due date reduced the need for a separate facility power outage. In addition, exhaust fan 1 of the WESF K3N heating, ventilation and air conditioning system was also replaced.

Sixed mixed low-level waste (MLLW) boxes were received from Perma-Fix Northwest (PFNW) and disposed to mixed waste trench 31. CWC received eight transuranic mixed waste (TRUM) solid waste boxes from PFWN and shipped 28 MLLW drums from various CWC waste storage buildings to PFWN.

ERDF received 8,634 tons of waste for disposal. The Integrated Disposal Facility (IDF) operations and maintenance crew completed the monthly and quarterly inspections and four significant storm event inspections as well as pumping down the leachate collection and removal sumps for cells 1 and 2. The IDF operational readiness construction efforts completed the following construction punchlist items: ongoing supervisory control and data acquisition installation, final erection of the domes, and future installation of waste storage and treatment pads remains. Replacement of the primary liners in the leachate collection tanks was initiated with the removal of the existing liners.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
21-EMS-WFMP-OBJ1-P1	T Plant Complex will receive three filter media Sludge Transport and Storage Container (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	60%

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

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	6	6/10/2021 - Employee was installing floor covering and was bending over and cutting paper around a post. Employee stood up and struck their forehead above the right eye on the bottom corner of a cabinet, causing laceration to the forehead (40080).
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

Solid Waste Operation Complex (SWOC) facilities currently do not have authorized approval to ship transuranic (TRU)/TRUM waste containers to PFNW.

Corrective Action

DOE has developed and applied for a U.S. Department of Transportation (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 spotlight chart: Risk MODS-0024-T: Novel Viral Pandemic (COVID-19) Impacts Project Performance was removed from the spotlight chart as it is no longer being realized.										
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>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.</div> <table><tr><td>Risk Recovery Action(s)</td><td>FC Date</td><td>%</td></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>Recovery Action Assessment: No significant changes in June. 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>			<p>Risk Event: Design changes for the CSS equipment have been identified by the Nuclear Assurance Corporation (NAC) and Central Plateau Cleanup Company (CPCCo) engineering 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 June. As fabrication began, NAC engineering 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 reduced operational risk and improved occupational safety but resulted in additional costs and schedule delays. Mitigation is for CPCCo engineering to perform a cost/benefit analysis for presentation to project management prior to requesting changes from the contractor. 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											
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>			<p>Risk Event: Ongoing changes to NAC 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>7/29/2021</td><td>75</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 June. There are changes underway to CSS equipment design by NAC 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 evacuation and helium backfill systems (EHBS) (x2). 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 July) WESF design changes will be prepared and issued by July 29, 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.	7/29/2021	75	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.	7/29/2021	75											
Construct WESF Modifications to revised design documents.	6/14/2022	0											
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 (MLLW) 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 is currently confirming the MLLW and identified legacy large box containers can be shipped DOT compliant. However, current funding challenges have prevented the full scope of waste shipment to be performed.</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 (MLLW) 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 (MLLW) shipments. This will be a net zero cost impact baseline change request (BCR).	4/28/2021	100											

Risk Title	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-0013/WBS-013													
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>	<div><div></div></div>	<div><div></div></div>	<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>0</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	0
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	0											
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)													
No critical risks identified in June.													
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>	<div><div></div></div>	<div><div></div></div>	<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 June. 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>	<div><div></div></div>	<div><div></div></div>	<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 June. 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											
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>	<div><div></div></div>	<div><div></div></div>	<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><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><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></table> <p>Mitigation Assessment: No significant change in June. 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 June.													

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	13.9	12.4	12.8	(1.5)	-10.5%	(0.4)	-3.5%

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	79.6	70.7	65.7	(8.9)	-11.1%	5.0	7.1%	139.0	126.3	60.7	12.6

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	127.9	118.3	9.7
W-135 WESF Modifications (Line Item)	27.5	9.8	17.7
RL-0013 – Total	155.4	128.0	27.4

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The FY2021 variance of \$27.4 million reflects projected funding of \$155.4 million and a spending forecast of \$128.0 million. Of this variance, \$17.7 million is for line item funding. The Waste Stabilization & Disposition spending forecast decreased primarily due to incorporating labor trends based on the rate of attrition.

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-21-013	Remove SWB Procurements from the PMB – RL13 & RL40	This baseline change request (BCR) removed the procurement of 100 standard waste boxes (SWBs). Fieldwork activities have been delayed and SWBs are no longer required in FY2021. This BCR decreased the performance management baseline (PMB) by \$1,442.8K.
BCR-CPC-21-015	HPIC Updates June 2021	This administrative BCR incorporated June FY2021 Hanford Programs Integrated Control Module (HPIC) updates. This BCR did not change the PMB value.
Change to allocated (distributed) budget: Decreased the PMB by \$1,442.8K. Change to management reserve: No change in June.		

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-091-030	TPA M-091-030 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)*	7/29/2021

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

Section C

Soil and Groundwater Remediation Project (RL-0030)

June 2021

CPCC-2021-06, 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	31.5	274.8	1.3	13.9						
HX P&T	28.0	226.6	2.9	30.7						
KR-4 P&T	8.1	107.9	0.1	1.3						
KW P&T	5.3	107.6	0.1	4.3						
KX P&T	29.2	227.2	1.1	10.0						
200 West P&T	102.0	940.7	0.9	6.7	162	1,436	1.6x10 ¹¹	16.4 x10 ¹¹	7.6	72.0
Combined	204.1	1,884.9	6.4	67.0	162	1,436	1.6x10 ¹¹	16.4 x10 ¹¹	7.6	72.0
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	1	3
100-NR-2	1	0	0
M-24 Milestone	22	5	6
200-DV-1	2	1	1
200-ZP-1	7	0	1
Total FY2021 Wells	39	7	11
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 6a and 6b Representative Analogous Site Coordinating Agency Liaison conceptual site model (CSM) group with the U.S. Department of Energy (DOE), Richland Operations Office (RL) and U.S. Environmental Protection Agency (EPA). Agreement was reached on the representative sites, and the next workshop session will be for all CSM group 7 sites and the overall data quality objective process for CSM groups 6a/b and 7.

M-24 Opportunistic Sampling

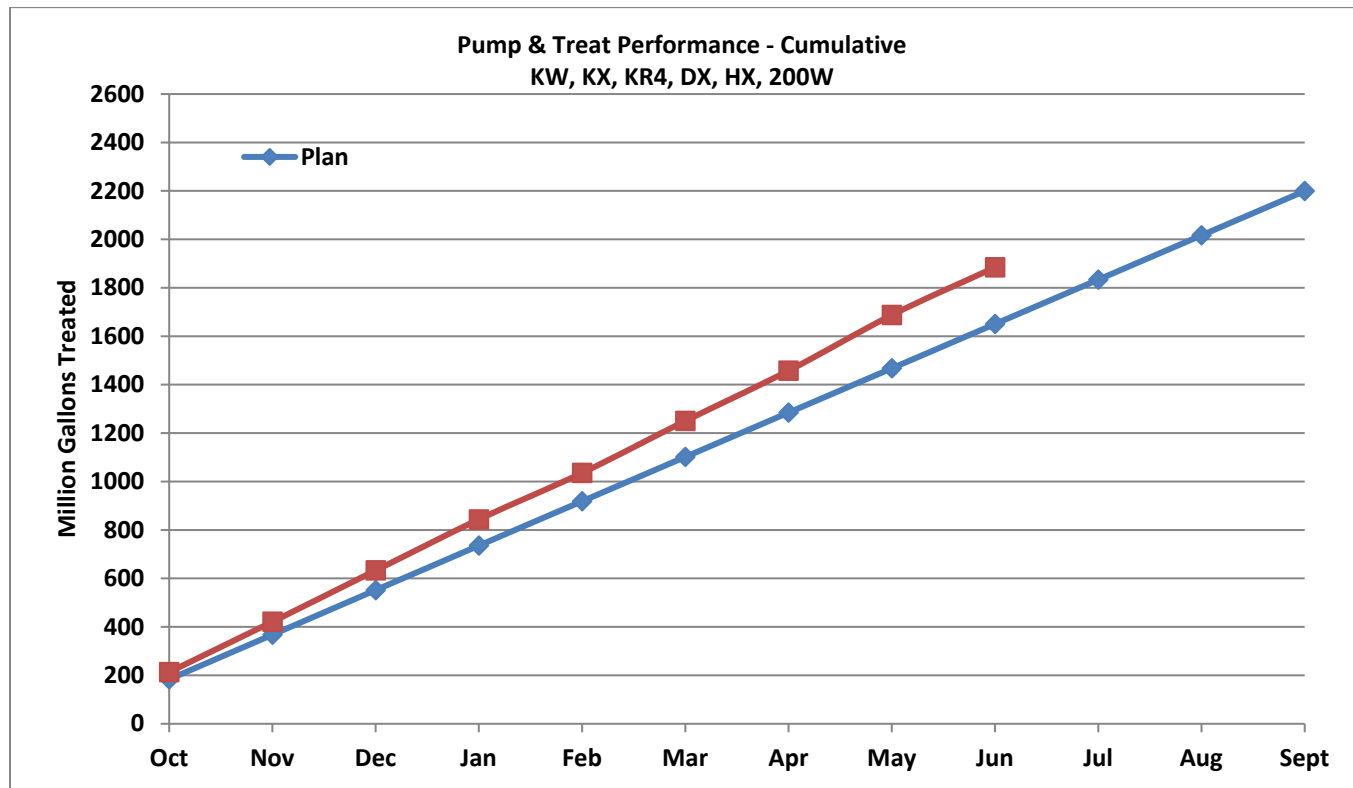
- Completed four of five sampling analysis instructions for sampling in the 200 East Area. The 216-A-37-1 Dangerous Waste Management Unit sampling instruction has been drafted and is undergoing RL review.
- Received RL comments on the 200-ZP-1 Operable Unit Rebound Study (DOE/RL-2020-54) on June 22, 2021. Resolution of comments is underway.

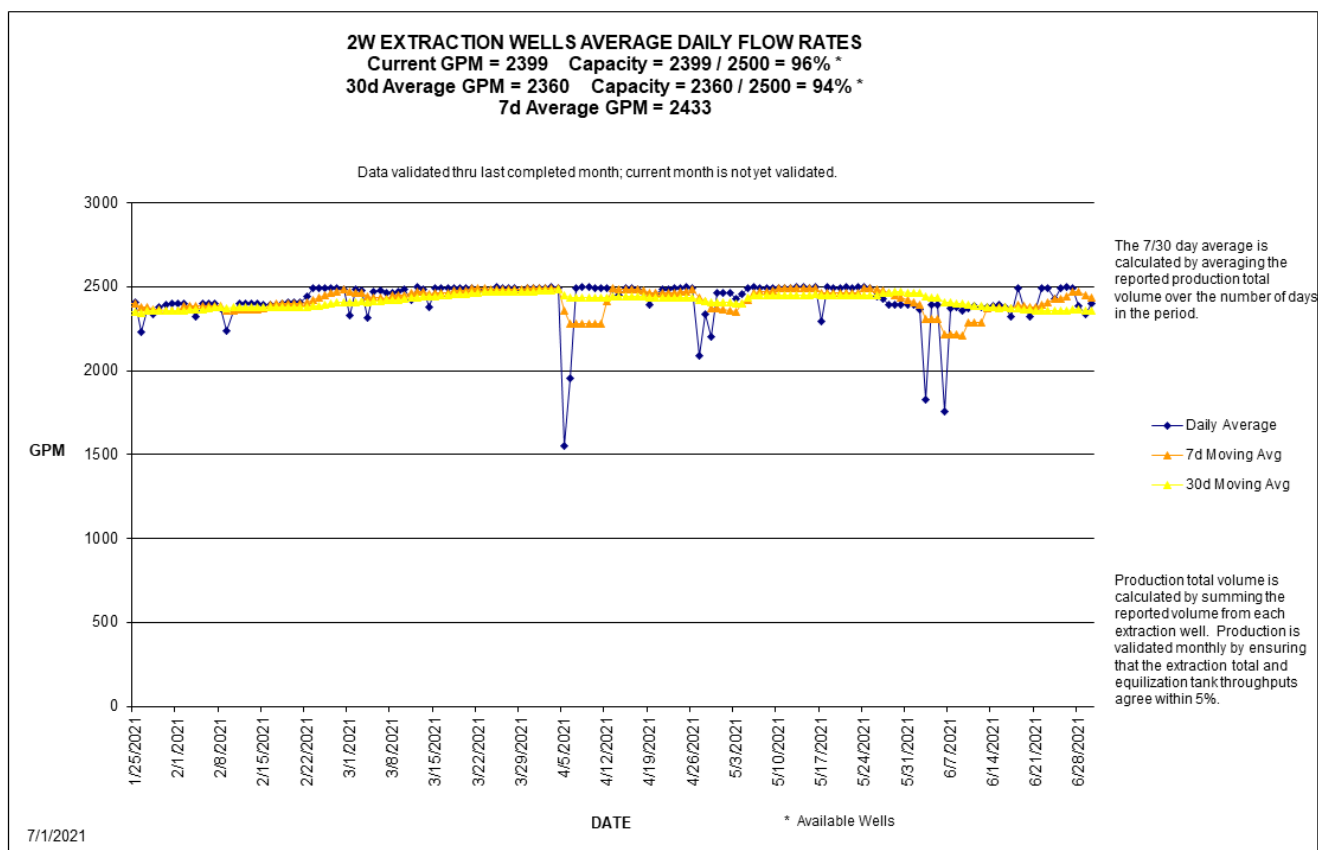
200 West P&T

- Operated the 200 West Area P&T at an average of 2,413 gpm, below the facility capacity of 2,500 gpm.
- Completed layup field work activities associated with the aerated centrate holding tanks.
- Completed layup activity for flushing the odor scrubber.
- Commenced layup activities associated with cleaning the splitter box.
- Completed layup field work activities for process line flushing.

100 Area P&Ts

- Completed well realignment activities for conversion of extraction well HE41 to injection well HJ05.
- Completed well realignment activities for conversion of extraction well HE21 to injection well HJ18.
- Commenced well realignment activities for conversion of extraction well HE40 to injection well HJ04.
- Operated the DX P&T at 729 gpm, below the facility capacity of 775 gpm.
- Operated the KR-4 P&T at 188 gpm, below the facility capacity of 330 gpm.
- Operated the KW P&T at 123 gpm, below the facility capacity of 330 gpm.
- Operated the KX P&T at 676 gpm, below the facility capacity of 900 gpm.
- Operated the HX P&T at 648 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	85%

*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 stoplight chart: The following risks were added to the realized risk section of the stoplight chart: KR4-0002-T: KR4 – Technical Impracticability (TI) Waiver is Not Approved, KR4-0004-T: FS (Feasibility Study) - Greater Than Expected Comments from RL or Regulators										
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 KR-4 Feasibility Study 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			Risk Event: DOE and EPA determine the TI waiver should not be pursued. This will require rework to the KR4 Feasibility Study to remove the reference to TI and have MNA as the preferred alternative for Sr 90. <table border="1"><thead><tr><th>Recovery Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>Perform rewrite to portions of the Feasibility Study (FS) to capture the evaluation of TI – yet MNA is the preferred alternative</td><td>9/30/2021</td><td>0</td></tr></tbody></table> Recovery Assessment: CPCCo has requested a 90-day extension from EPA to make changes to the Feasibility Study 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.	Recovery Action(s)	FC Date	%	Perform rewrite to portions of the Feasibility Study (FS) to capture the evaluation of TI – yet MNA is the preferred alternative	9/30/2021	0
Recovery Action(s)	FC Date	%								
Perform rewrite to portions of the Feasibility Study (FS) to capture the evaluation of TI – yet MNA is the preferred alternative	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			Risk Event: CPCCo receives more comments than planned from EPA on the Draft B Feasibility Study, resulting in additional efforts to resolve comments. <table border="1"><thead><tr><th>Recovery Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>No viable recovery action has been identified outside of responding to the Regulators comments. Comment resolution will be resolved by the end of FY21.</td><td>9/30/2021</td><td>0</td></tr></tbody></table> Recovery Assessment: Comment resolution is being performed and on track to complete by 9/30/2021.	Recovery Action(s)	FC Date	%	No viable recovery action has been identified outside of responding to the Regulators comments. Comment resolution will be resolved by the end of FY21.	9/30/2021	0
Recovery Action(s)	FC Date	%								
No viable recovery action has been identified outside of responding to the Regulators comments. Comment resolution will be resolved by the end of FY21.	9/30/2021	0								

Risk Title	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0030/WBS-030										
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)										
No Critical Risks identified in June.										
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)										
No High Risks identified in June.										
FY2021 Key Risks										
100PT-0001-T: Major Equipment Failure at a 100 Area P&T Facility	<p>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.</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>100 Area P&T operations has 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 June. The 100K 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	%	100 Area P&T operations has 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 has incorporated weekly, monthly and annual preventative maintenance activities in the baseline to assure reliability of equipment within the P&T facilities.	Ongoing	N/A								
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 has 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 June. 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 has 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 has 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 June. 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 June.										

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	9.2	8.0	7.6	(1.2)	-13.2%	0.4	4.9%

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	47.8	41.3	34.5	(6.5)	-13.6%	6.8	16.5%	81.4	74.3	39.8	7.0

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	84.3	74.5	9.8

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The FY2021 variance of \$9.8 million reflects projected funding of \$84.3 million and a spending forecast of \$74.5 million. The spending forecast decreased primarily due to incorporating labor trends based on the rate of attrition.

Critical Path Analysis

The critical path analysis will be provided upon request.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-015	HPIC Updates June 2021	This administrative baseline change request (BCR) incorporated June FY2021 Hanford Programs Integrated Control Module updates. This BCR did not change the Performance Measurement Baseline value.
Change to allocated (distributed) budget: No change in June. Change to management reserve: No change in June.		

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-024-58N	Initiate Discussions of Well Commitments	6/1/2021	5/17/2021		Complete
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) Remedial Design (RD)/Removal Action Work Plan (RAWP) Extension	1/25/2021(A)	7/30/2021
RL Review of Decisional Draft 200-PO-1 CSM SAP	2/4/2021(A)	7/30/2021
RL Review of Draft Annual Groundwater Report	5/4/2021(A)	6/23/2021
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 Decisional Draft 100-KR-4 FY2021 KE Soil Flushing Sampling and Analysis Plant (SAP)	6/23/2021	8/21/2021
RL Review of Draft 200 Area P&T Report	6/24/2021	7/23/2021
RL Review of 100-KR-4 FY2021 Waste Management Plan Tri-Party Agreement Change Notice	6/29/2021	8/27/2021
RL Review of 100-KR-4 FY2021 Drilling SAP Addendum	7/1/2021	7/30/2021
RL Review of 100-KR-4 Groundwater Monitoring SAP FY2021 Update	7/2/2021	7/31/2021
RL Review of Decisional Draft 100-HR-3 FY2022 Drilling SAP Addendum 1	7/26/2021	8/4/2021
RL Transmit Draft A 200-BP-5/200-PO-1 IA RD/RAWP to Regulators for Review	8/26/2021	9/8/2021
RL Transmit 200-PO-1 Draft A CSM SAP to Regulators for Review	9/1/2021	9/12/2021

Section D

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

June 2021

CPCC-2021-06, 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 and loadout of the 214A PUREX Warehouse and 2714A Dry Chemical Warehouse facilities. Crews also completed abatement of 427 feet of asbestos-insulated steam lines west of PUREX. At the Reduction-Oxidation (REDOX) plant, crews completed construction of the REDOX transuranic waste storage area. Additionally, the team submitted the Emergency Preparedness Hazard Analysis revision to the U.S. Department of Energy (DOE), Richland Operations Office (RL) for review and approval to support the Documented Safety Analysis, Revision 8, implementation.

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 prior to the start of the Central Plateau Cleanup Contract.

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 June.										
Realized Risks (Risks that are currently impacting project cost/schedule)										
BPlantIA-0002-T: 224B Resource Availability	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. Risk Handling Strategy: Accept Probability: Somewhat likely (26% to 74%) Worst Case Impacts: \$23K, 120 days	<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 June. 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 early August, 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	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. Risk Handling Strategy: Accept Probability: Somewhat likely (26% to 74%) Worst Case Impacts: \$30K, 24 days	<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 June. 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 early August, 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	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. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$46K, 192 days	<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 June. 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 early August, 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	<p>Necessary resources for project execution are unavailable, resulting in schedule and cost impacts to the project.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Somewhat likely (26% to 74%)</p> <p>Worst Case Impacts: \$123K, 120 days</p>			<p>Risk Event: Risk Event: Key resources were reallocated from the project to support PRF demolition/debris loadout activities, consistent with the IPL.</p> <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> <p>Recovery Action Assessment: No significant changes in June. 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 early August, 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								
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)										
No critical risks identified in June.										
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)										
No high threat value risks identified in June.										
FY2021 Key Risks										
No key risks identified in June.										
Unassigned Risks (Pending ownership of identified risks/opportunities)										
No unassigned risks identified in June.										

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	6.2	3.7	5.9	(2.5)	-40.2%	(2.2)	-60.0%

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	37.5	26.0	30.0	(11.5)	-30.7%	(4.1)	-15.7%	65.5	64.8	34.8	0.7

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	54.8	48.7	6.1
Numbers are rounded to the nearest \$0.1 million.			

Funds/Variance Analysis

The fiscal year (FY) 2021 variance of \$6.1 million reflects projected funding of \$54.8 million and a spending forecast of \$48.7 million. The spending forecast decreased primarily due to incorporating labor trends based on the rate of attrition.

Critical Path Analysis

Critical path analysis will be provided upon request.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-013	Remove SWB Procurements from the PMB – RL13 & RL40	This baseline change request (BCR) removed the procurement of 50 standard waste boxes (SWBs). Fieldwork activities have been delayed and SWBs are no longer required in FY2021. This BCR decreased the performance measurement baseline (PMB) by \$447.2K.
BCR-CPC-21-015	HPIC Updates June 2021	This administrative BCR incorporated June FY2021 Hanford Programs Integrated Control Module (HPIC) updates. This BCR did not change the PMB value.
Change to allocated (distributed) budget: PMB was reduced by \$447.2K. Change to management reserve: No change in June.		

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	9/30/2021		3/10/2022	At Risk

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

Description	CPCCo Delivery Date	Expected RL Due Date
B Plant Sampling and Analysis Plan – RL Review and Comment	5/11/2021(A)	5/28/2021(A)
RL Review of Emergency Preparedness Hazard Analysis revision	6/14/2021(A)	10/25/2021
RL Transmit Draft A B Plant Remedial Action Work Plan to Regulators for Review	7/13/2021	7/19/2021
RL Certify and Submit PUREX Closure Plan to Ecology	8/23/2021	9/2/2021

Section E

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

June 2021

CPCC-2021-06, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

Soil Remediation

- Completed shearing, size reducing, and loadout of pipe debris and soil from the 100-K-79:7 pipeline sub-site.
- Completed downposting and global positioning radiological surveys of the 100-K-79:7 waste site.
- Loaded out 2,625 tons of contaminated soil and debris to the Environmental Restoration Disposal Facility (ERDF) from the 100-K-79:7 and 100-K-55:2 waste sites.

165KE Demolition

- Shipped 240 cans of demolition debris to ERDF for disposal.
- Commenced removal of 165KE to 105KE tunnel piping in preparation for tunnel removal.

105KE Interim Safe Storage

- Awarded 105KE excavation and foundation contract.

105KW Deactivation

- Commenced garnet filter media retrieval and completed transfer of garnet filter media from vessel 1 into the first sludge transport and storage container.
- Completed installation and construction acceptance testing of the vertical pipe casing (VPC) in the 105KW Basin.
- Installed Champion shear into basin and began size reduction.

324 Building Disposition

- Completed significant risk reduction in Room 18 with removal and disposition of legacy high dose exhaust hose removal.
- Completed airlock core team resumption training.
- Completed A-Cell dam grout injection training.
- Completed installation of equipment storage facility.
- Completed Pit 6 soil stabilization demonstrations.

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 prior to the start of the Central Plateau Cleanup Contract.

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	6/8/2021 – Employee scratched their arm on temporary chain link fence during removal. (40077)
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 fiscal year (FY) 2021 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 stoplight chart: No major changes to the stoplight chart in June.										
Realized Risks (Risks that are currently impacting project cost/schedule)										
No realized risks identified in June.										
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed.)										
No critical risks are identified in June.										
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)										
RCC-0024-T: 300-296 Elevated Contamination Encountered While Performing Structural Modifications	To validate the assumptions supporting the 324 Building structural modification design, pilot holes will be drilled into the soil beneath B Cell to collect necessary data. If data shows that contamination levels are much higher or deeper or the material encountered is different from anticipated, then an alternative approach will require the development and/or fabrication of equipment for contamination mitigation and control. These impacts will limit progress on fieldwork activities. Risk Handling Strategy: Mitigate Probability: Somewhat likely (24% to 50%) Worst Case Impacts: \$3,318K, 128 days			<p>Risk Event: Unexpected contamination is found while performing structural modification activities.</p> <table border="1"><thead><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>Continued resumption/proficiency training for Room 18.</td><td>7/20/2021</td><td>76</td></tr></tbody></table> <p>Mitigation Assessment: No significant changes in June. The project continues to work resumption training and anticipates further reducing the probability of this risk once proficiency training is complete. Increased PPE and additional control measures were successfully implemented.</p>	Mitigation Action(s)	FC Date	%	Continued resumption/proficiency training for Room 18.	7/20/2021	76
Mitigation Action(s)	FC Date	%								
Continued resumption/proficiency training for Room 18.	7/20/2021	76								

Risk Title	Unmitigated Risk Impacts	Assessment		Comments																		
		Month	Trend																			
RL-0041/WBS-041																						
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 Performance Measurement Baseline (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>Review/Approve Design for Airlock 7.5 Ton Crane</td><td>8/24/2021</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: No significant changes in June. 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. Design will be performed in FY2021 and procurement/ fabrication in FY2022.	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	Review/Approve Design for Airlock 7.5 Ton Crane	8/24/2021	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																				
Review/Approve Design for Airlock 7.5 Ton Crane	8/24/2021	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 June. 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>7/1/2021</td><td>50</td></tr></table> Mitigation Assessment: 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	7/1/2021	50						
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	7/1/2021	50																				

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 June . 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, Remote Excavator Arms (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 June . 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 June . 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 June. 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 June. 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 June .																

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	10.1	9.7	10.5	(0.5)	-4.6%	(0.8)	-8.5%

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	55.1	49.9	50.6	(5.2)	-9.5%	(0.7)	-1.4%	94.2	91.5	40.9	2.7

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	92.5	85.6	6.8

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The FY2021 variance of \$6.8 million reflects projected funding of \$92.5 million and a spending forecast of \$85.6 million. The spending forecast decreased primarily due to incorporating labor trends based on the rate of attrition and reduced materials.

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-21-015	HPIC Updates June 2021	This administrative baseline change request (BCR) incorporated June FY2021 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 June. Change to management reserve: No change in June.		

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		9/1/2021	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	At Risk

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

Description	CPCCo Delivery Date	Expected RL Due Date
RL Issue Safety Evaluation Report for 324 Documented Safety Analysis/Technical Safety Requirement	3/31/2021(A)	5/25/2021(A)
RL Review/Comment – Fire Hazards Analysis	5/10/2021(A)	5/25/2021(A)
RL Review 105KW Demolition Removal Action Work Plan	9/30/2021	11/17/2021

Section F

Fast Flux Test Facility Closure (RL-0042)

June 2021

CPCC-2021-06, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

The Inner Area End States (IAES) successfully completed the return to service activities for the P-16 pump. Additionally, 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	0.3	0.2	0.3	(0.1)	35.6%	(0.1)	-41.5%

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	1.1	1.2	1.5	0.1	5.5%	(0.3)	-23.2%	2.4	2.4	1.0	(0.0)

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	3.2	2.4	0.9

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The fiscal year (FY) 2021 variance of \$0.9 million reflects projected funding of \$3.2 million and a spending forecast of \$2.4 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
BCR-CPC-21-015	HPIC Updates June 2021	This administrative baseline change request (BCR) incorporated June FY2021 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 June. Change to management reserve: No change in June.		

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
RL Transmit Draft A 400 Area Engineering Evaluation/Cost Analysis to Regulators for Review	8/3/2021	8/9/2021
RL Review Draft 400 Area Action Memorandum	8/30/2021	9/27/2021

Section G B Reactor (RL-0201)

June 2021

CPCC-2021-06, 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, White Bluffs Bank, Bruggemann Warehouse and Allard Pump House. Activities included radiological control surveys and electrical preventative maintenance. At B Reactor, the project set up and cleaned the vertical safety rods and ball hoppers on top of B Reactor in the Contamination Area (CA). During the cleaning, workers discovered that the gear boxes for the vertical safety rod winches were full of oil. Planning for polychlorinated biphenyl testing and waste stream is in process. The X0 laboratory CA and fuel storage basin were also cleaned. The air conditioner for the count trailer was replaced and location of the new restroom trailer was delineated. At the White Bluffs Bank, repairs to the stoop were performed, the sidewalk was extended and gravel was added to level the entrance. At the Bruggemann Warehouse, the fire ring and door shelter were dismantled.

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	0.4	0.0	0.0%	(0.3)	276.4%

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	0.5	0.5	0.9	0.0	0.0%	(0.4)	-86.3%	0.9	1.7	0.7	(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-0021	Projected Funding	Spending Forecast	Variance
B Reactor	2.1	1.7	0.4

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The fiscal year (FY) 2021 variance of \$0.4 million reflects projected funding of \$2.1 million and a spending forecast of \$1.7 million. It is anticipated that the U.S. Department of Energy (DOE), Richland Operations Office (RL) will provide approval 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
NA	NA	NA
Change to allocated (distributed) budget: No change in June. Change to management reserve: No change in June.		

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
RL provide comments on plan for resumption of tours at B Reactor and the Pre-Manhattan facilities	6/10/2021(A)	7/1/2021

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

June 2021

CPCC-2021-06, Revision 0

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

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE

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				a. NAME Central Plateau Cleanup Company LLC				a. FROM (YYYYMMDD)					
b. LOCATION (Address and ZIP Code) Richland, WA				b. NUMBER 89303921FEM400029				b. PHASE				2021 / 05 / 24					
				c. TYPE IDIQ		d. SHARE RATIO		c. EVMS ACCEPTANCE		b. TO (YYYYMMDD)							
								NO		YES (YYYYMMDD)		N/A		2021 / 06 / 20			
5. CONTRACT DATA																	
a. QUANTITY 1		b. NEGOTIATED COST 370,588		c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 168,030		d. TARGET PROFIT/FEE 26,471		e. TARGET PRICE 397,059		f. ESTIMATED PRICE 601,151		g. CONTRACT CEILING 397,059		h. ESTIMATED CONTRACT CEILING 605,001		i. DATE OF OTB/OTS (YYYYMMDD)	
6. ESTIMATED COST AT COMPLETION																	
				MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		7. AUTHORIZED CONTRACTOR REPRESENTATIVE							
				568,378						a. NAME (Last, First, Middle Initial) Downing, Katie				b. TITLE Prime Contract Manager			
a. BEST CASE				587,408						c. SIGNATURE				d. DATE SIGNED (YYYYMMDD)			
b. WORST CASE				574,680		538,618		-36,062									
c. MOST LIKELY																	
8. PERFORMANCE DATA																	
WBS Lvl 7.PBS		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)						
ITEM (1)																	
RL-0011 Nuclear Mat Stab & Disp PFP		645	2,947	3,327	2,303	-380	125,088	117,609	159,391	-7,479	-41,782	0	0	0	126,722	177,714	-50,992
RL-0013 Solid Waste Stab & Disp		11,903	10,653	11,028	-1,250	-376	68,299	60,689	56,391	-7,610	4,298	0	0	0	119,280	108,501	10,779
RL-0030 Soil & Water Rem-Grndwtr/Vadose		7,868	6,827	6,495	-1,042	331	41,059	35,490	29,637	-5,569	5,853	0	0	0	69,835	63,855	5,980
RL-0040 Nuc Fac D&D - Remainder Hanfrd		5,290	3,162	5,058	-2,128	-1,896	32,172	22,283	25,782	-9,889	-3,499	0	0	0	56,216	55,715	501
RL-0041 Nuc Fac D&D - RC Closure Proj		8,696	8,295	8,999	-401	-704	47,322	42,845	43,460	-4,476	-615	0	0	0	80,867	78,606	2,260
RL-0042 Nuc Fac D&D - FFTF Proj		239	154	218	-85	-64	971	1,024	1,262	53	-238	0	0	0	2,055	2,084	-29
RL-0201 Hanford Site-Wide Services		80	80	303	0	-222	432	432	805	-247	-373	0	0	0	736	1,421	-685
b. COST OF MONEY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE		5,729	5,290	5,846	-440	-556	53,445	47,707	52,471	-5,738	-4,764	0	0	0	76,605	80,481	-3,876
d. UNDISTRIBUTED BUDGET															0	0	0
e. SUBTOTAL		40,451	37,407	41,274	-3,043	-3,867	368,788	328,079	369,199	-40,709	-41,120	0	0	0	532,316	568,378	-36,062
f. MANAGEMENT RESERVE															6,302		
g. TOTAL		40,451	37,407	41,274	-3,043	-3,867	368,788	328,079	369,199	-40,709	-41,120	0	0	0	538,618		
9. RECONCILIATION TO CONTRACT BUDGET BASELINE																	
a. VARIANCE ADJUSTMENT																	
b. TOTAL CONTRACT VARIANCE														538,618 568,378 -29,760			

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ndix A

CLASSIFICATION (When Filled in)

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES														DOLLARS IN		Thousands of \$		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				a. NAME Central Plateau Cleanup Company LLC				a. FROM (YYYYMMDD) 2021 / 05 / 24								
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER 89303921FEM400029				b. PHASE				b. TO (YYYYMMDD) 2021 / 06 / 20								
			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 ITEM (1)		CURRENT PERIOD				CUMULATIVE TO DATE					REPROGRAMMING			AT COMPLETION					
		BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		ADJUSTMENTS			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)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)					
CO - CPCCo Program Manager		0	0	0	0	0	0	0	9	0	-9	0	0	0	0	0	9	-9	
C1 - End States Strategy & Integ		80	80	303	0	-222	432	432	795	0	-363	0	0	0	0	736	1,412	-676	
C2 - Inner Area End States		10,282	9,060	11,869	-1,222	-2,809	179,303	157,029	201,098	-22,275	-44,069	0	0	0	0	221,455	269,364	-47,909	
C3 - Outer Area End States		8,696	8,295	8,999	-401	-704	47,322	42,845	43,460	-4,476	-615	0	0	0	0	80,867	78,606	2,260	
C4 - Waste Projects & Operations		7,795	7,856	7,762	61	94	47,227	44,576	41,728	-2,651	2,848	0	0	0	0	82,818	74,650	8,168	
C5 - Soil & Groundwater Operations		4,810	4,079	3,606	-731	473	24,719	21,993	19,358	-2,725	2,636	0	0	0	0	43,901	39,754	4,147	
C6 - Regulatory Strategy & Integr		3,059	2,748	2,889	-311	-141	16,341	13,497	10,280	-2,844	3,217	0	0	0	0	25,935	24,102	1,833	
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		5,729	5,290	5,846	-440	-556	53,445	47,707	52,471	-5,738	-4,764	0	0	0	0	76,605	80,481	-3,876	
d. UNDISTRIBUTED BUDGET																			
e. SUBTOTAL (Performance Measurement Baseline)		40,451	37,407	41,274	-3,043	-3,867	368,788	328,079	369,199	-40,709	-41,120		0	0	0	532,316	568,378	-36,062	
f. MANAGEMENT RESERVE																			
g. TOTAL		40,451	37,407	41,274	-3,043	-3,867	368,788	328,079	369,199	-40,709	-41,120	0	0	0	0	538,618			

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

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE														DOLLARS IN THOUSANDS		Form Approved OMB No. 0704-0188			
1. CONTRACTOR Central Plateau Cleanup Company LLC			2. CONTRACT a. NAME: Central Plateau Cleanup b. NUMBER: 89303921FEM400029 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: 2021/04/26 b. TO: 2021/05/23								
5. CONTRACT DATA																			
a. ORIGINAL NEGOTIATED COST \$175,000			b. NEGOTIATED CONTRACT CHANGE \$195,588		c. CURRENT NEGOTIATED COST (A + B) \$370,588		d. ESTIMATED COST AUTH UNPRICED WORK \$168,030		e. CONTRACT BUDGET BASE (C + D) \$538,618		f. TOTAL ALLOCATED BUDGET \$538,618		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 9/30/2021				l. EST COMPLETION DATE 9/30/2021								
8. PERFORMANCE DATA																			
ITEM (1)	BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	SIX MONTH FORECAST						FY15 (10)	FY16 (11)	FY17 (12)	FY18 (13)	FY19 (14)	FY20 (15)	FY21 (16)	FY22 (17)	FY23 (18)	UNDISTRIB BUDGET (19)	TOTAL BUDGET (20)
			+1 Jul-21 (4)	+2 Aug-21 (5)	+3 Sep-21 (6)	+4 Oct-21 (7)	+5 Nov-21 (8)	+6 Dec-21 (9)											
a. PM BASELINE (BEGIN OF PERIOD)	328,337	43,291	56,090	46,097	61,677	0	0	0	6,090	29,182	19,407	628	66,598	7,519	404,782	0	0	0	534,206
b. BASELINE CHANGES AUTH DURING REPORT PERIOD															(1,890)				(1,890)
BCR-CPC-21-013 - Remove SWB Procurements from PMB															0				0
BCR-CPC-21-014 -Mod P00006 - Fee Adjustment															0				0
BCR-CPC-21-015, HPIC Updates June 2021															0				0
c. PM BASELINE (END OF PERIOD)	368,788	40,451	56,090	46,097	61,677	0	0	0	6,090	29,182	19,407	628	66,598	7,519	402,892	0	0	0	532,316
7. MANAGEMENT RESERVE																			6,302
8. TOTAL																			538,618

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 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			a. NAME Central Plateau Cleanup Company LLC			a. FROM (YYYYMMDD) 2021 / 04 / 26						
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER 89303921FEM400029			b. PHASE			b. TO (YYYYMMDD) 2021 / 05 / 23						
			c. TYPE IDIQ			d. SHARE RATIO			c. EVMS ACCEPTANCE <div style="display: flex; align-items: center;"> <input type="checkbox"/> NO <input type="checkbox"/> YES (YYYYMMDD) <input type="checkbox"/> N/A </div>						
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 JUL-2021 (4)	+2 AUG-2021 (5)	+3 SEP-2021 (6)	+4 OCT-2021 (7)	+5 NOV-2021 (8)	+6 DEC-2021 (9)	JAN-2022 (10)	FEB-2022 (11)	MAR-2022 (12)	APR-2022 (13)	ATCOMPLETE (14)		
C0 - CPCCo Program Manager	18	91	17	17	18	-	-	-	-	-	-	-	-	-	143
C1 - End States Strategy & Integ	52	266	48	55	53	-	-	-	-	-	-	-	-	-	422
C2 - Inner Area End States	459	7,213	510	504	482	292	314	163	86	79	61	21	53	-	9,778
C3 - Outer Area End States	331	1,575	335	336	342	12	6	4	2	1	-	-	-	-	2,614
C4 - Waste Projects & Operations	382	1,940	392	389	383	4	5	10	3	3	2	10	45	-	3,186
C5 - Soil & Groundwater Operations	157	836	155	145	138	11	11	9	4	3	3	3	4	-	1,320
C6 - Regulatory Strategy & Integr	65	332	87	80	71	18	19	22	13	8	3	0	0	-	654
C7 - ESH&Q	65	344	68	68	68	-	-	-	-	-	-	-	-	-	548
C8 - Chief Engineer	38	187	38	40	45	-	-	-	-	-	-	-	-	-	310
C9 - Business Services	81	401	82	89	100	-	-	-	-	-	-	-	-	-	672
g. TOTAL DIRECT	1,646	13,184	1,731	1,724	1,701	338	355	208	108	94	69	34	102	-	19,648

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

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) 2021/05/24	
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER 89303921FEM400029			b. PHASE			b. TO (YYYYMMDD) 2021/06/20	
		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:	40,451	37,407	41,274	(3,043)	-7.5%	(3,867)	-10.3%	0.92	0.91
Cumulative:	368,788	328,079	369,199	(40,709)	-11.0%	(41,120)	-12.5%	0.89	0.89
	BAC	EAC	VAC in \$	VAC in %	TCPI				
At Complete:	532,316	568,378	(36,062)	-6.8%	1.03				
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule and Cost Variance:</p> <p>The current month (CM) negative schedule variance was primarily in RL-0040, which was delayed due to the direction of key D&D labor resources to higher priority work scope at RL-0011 (PFP experienced schedule recovery, which offset part of the negative schedule variance). Other large negative schedule variances include W-135 Management of Cesium and Strontium Capsules fabrication, delivery and testing of the Cask Storage System due to change order negotiations with the vendor, and at RL-0030 the delay of remedial investigation field work at 200-DV-1 and Resource Conservation and Recovery Act well drilling.</p> <p>The CM negative cost variance is primarily from RL-0040, which is due to the redirection of key D&D labor resources to higher priority work scope at PFP in order to complete that project within the fiscal year. Planned fieldwork activities at 224B, 224T, REDOX and PUREX North were not completed while Hanford Mission Integrations Solutions material and labor costs continued to be incurred to support the project. Much of the project management to support this scope is apportioned against the performance of the fieldwork; while significant paperwork and planning was accomplished, costs were incurred without the ability to claim performance for the month.</p> <p>Cumulative Variances: The variances are within reporting thresholds after adjusting for historical CHPRC data from CAP2.</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>CPCCo continues to track completion of the contract within budget. Currently, a variance at completion of -\$36.1 million is projected. This is primarily due to the PFP capital asset performance data being carried from CHPRC. For June, the project was 7.5 percent behind schedule and 10.3 percent above planned cost. Contract to date, the project was 11.0 percent behind schedule and 12.5 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 Order 413.3B.</p> <p>There was no difference between the Contract Budget Base and the Total Allocated Budget on Format 3 for the month of June.</p>									
Contractually Required Cost, Schedule, EAC variance, Management Reserve Use									
Variance in Performance BAC and EAC: The VAC between the BAC and EAC is -\$38.0 million, -7.1%.									

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	\$168,029.88
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	\$168,029.8
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
BCR-CPC-21-014	Mod P00006 – Fee Adjustment	RL-13, RL-30, RL-41	2021	13,970

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	7/13/2021		

Appendix B

Capital Asset Project

RL-0011.C2 - Demolition of PFP Facilities

June 2021

CPCC-2021-06, 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 59 roll-on/roll-off (RO/RO) containers were loaded with PRF debris and 40 RO/RO containers containing 236-Z debris were shipped for disposal to the Environmental Remediation Disposal Facility (ERDF) in the month of June. Three drums containing radioactive sources were shipped to the Waste Receiving and Processing Facility (WRAP), initiating the closure of the PFP Material Balance Area. The final mockup for the 236-Z and 242-Z slab characterization scope was completed and preparation began for presentation to the Hazard Review Board.

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 June.										
Realized Risks (Risks that are currently impacting project cost/schedule)										
No realized risks identified in June.										
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed.)										
No critical risks identified in June.										
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>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 June. 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>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 June. 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 June.										
Unassigned Risks (Pending ownership of identified threats/opportunities)										
No unassigned risks identified in June.										

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 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 work days to complete the size reduction and loadout of the 236-Z debris pile that had been underestimated.
*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).					

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

June 2021

CPCC-2021-06, 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 OMB No. 0704-0188				
DOLLARS IN Thousands of \$																		
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) 2021 / 05 / 24						
b. LOCATION (Address and ZIP Code) Richland, WA				b. NUMBER 89303921FEM400029				b. PHASE				b. TO (YYYYMMDD) 2021 / 06 / 20						
				c. TYPE IDIQ		d. SHARE RATIO		c. EVMS ACCEPTANCE NO YES (YYYYMMDD)										
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		207,513		150,986		207,513				
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				201,210						c. SIGNATURE				d. DATE SIGNED (YYYYMMDD)				
b. WORST CASE				207,580														
c. MOST LIKELY				207,513		150,986		-56,527										
8. PERFORMANCE DATA																		
WBS Lvl 7.PBS WBS (2) ITEM (1)		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					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)							
RL-0011 Nuclear Mat Stab & Disp PFP																		
11.05 Disposition PFP Facility		0	2,303	2,556	2,303	-253	122,979	115,500	157,048	-7,479	-41,549	0	0	0	122,979	172,554	-49,575	
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	370	422	370	-52	21,704	20,503	26,121	-1,202	-5,618	0	0	0	21,704	28,656	-6,952	
d. UNDISTRIBUTED BUDGET																		
e. SUBTOTAL		0	2,673	2,977	2,673	-305	144,683	136,002	183,169	-8,681	-47,167	0	0	0	144,683	201,210	-56,527	
f. MANAGEMENT RESERVE																		
g. TOTAL		0	2,673	2,977	2,673	-305	144,683	136,002	183,169	-8,681	-47,167	0	0	0	150,986			
9. RECONCILIATION TO CONTRACT BUDGET BASELINE																		
a. VARIANCE ADJUSTMENT																		
b. TOTAL CONTRACT VARIANCE												-8,681		-47,167		150,986 201,210 -50,225		

RL-0011 Includes RL-011.C2-CAP from PRC BCWS = 142,472, BCWP = 128,635, and ACWP = 172,46;

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT
FORMAT 2 - ORGANIZATIONAL CATEGORIES

DOLLARS IN Thousands of \$

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		a. NAME RL_0011_C2 PFP Demolition Capital Asset Project				a. FROM (YYYYMMDD) 2021 / 05 / 24									
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER 89303921FEM400029		b. PHASE				b. TO (YYYYMMDD) 2021 / 06 / 20									
		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 Orig Group ITEM (1)		CURRENT PERIOD				CUMULATIVE TO DATE				REPROGRAMMING			AT COMPLETION				
		BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		ADJUSTMENTS		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)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)				BUDGET (13)
C2 - Inner Area End States		0	2,303	2,556	2,303	-253	122,979	115,500	157,048	-7,479	-41,549	0	0	0	122,979	172,554	-49,575
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	370	422	370	-52	21,704	20,503	26,121	-1,202	-5,618	0	0	0	21,704	28,656	-6,952
d. UNDISTRIBUTED BUDGET														0	0	0	
e. SUBTOTAL (Performance Measurement Baseline)		0	2,673	2,977	2,673	-305	144,683	136,002	183,169	-8,681	-47,167	0	0	0	144,683	201,210	-56,527
f. MANAGEMENT RESERVE														6,302			
g. TOTAL		0	2,673	2,977	2,673	-305	144,683	136,002	183,169	-8,681	-47,167	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

CONTRACT PERFORMANCE REPORT														Form Approved						
FORMAT 3 - BASELINE														OMB No. 0704-0188						
1. CONTRACTOR				2. CONTRACT				3. PROGRAM				4. REPORT PERIOD								
Central Plateau Cleanup Company LLC				a. NAME: Central Plateau Cleanup				RL_0011_C2 PFP Demolition Capital Asset Project				a. FROM: 2021/05/24								
b. LOCATION: Richland, WA				b. NUMBER: 89303921FEM400029				b. PHASE				b. TO: 2021/06/20								
				c. TYPE: IDIQ				c. EVMS ACCEPTANCE												
				d. SHARE RATIO:				NO YES N/A												
5. CONTRACT DATA																				
a. ORIGINAL NEGOTIATED COST				b. NEGOTIATED CONTRACT CHANGE		c. CURRENT NEGOTIATED COST (A + B)		d. ESTIMATED COST AUTH UNPRICED WORK		e. CONTRACT BUDGET BASE (C + D)		f. TOTAL ALLOCATED BUDGET		g. DIFFERENCE (E - F)						
51,683				\$99,303		\$150,986		\$0		\$150,986		\$150,986		\$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 9/30/2021		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 Jul-21 (4)	+2 Aug-21 (5)	+3 Sep-21 (6)	+4 Oct-21 (7)	+5 Nov-21 (8)	+6 Dec-21 (9)	FY15 (10)	FY16 (11)	FY17 (12)	FY18 (13)	FY19 (14)	FY20 (15)	FY21 (16)	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	0	
c. PM BASELINE (END 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	
7. MANAGEMENT RESERVE																			6,302	
8. TOTAL																			150,986	

RL-0011 Includes RL-011.C2-CAP from PRC BCWS = 142,472, BCWP = 128,635, and ACWP = 172,461

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					a. NAME Central Plateau Cleanup Company LLC					a. FROM (YYYYMMDD) 2021 / 05 / 24		
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER 89303921FEM400029					b. PHASE					b. TO (YYYYMMDD) 2021 / 06 / 20		
			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 (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)										AT COMPLETION (15)	
ORGANIZATIONAL CATEGORY (1)				SIX MONTH FORECAST BY MONTH (Enter names of months)						ENTER SPECIFIED PERIODS					
				+1 JUL-2021 (4)	+2 AUG-2021 (5)	+3 SEP-2021 (6)	+4 OCT-2021 (7)	+5 NOV-2021 (8)	+6 DEC-2021 (9)	JAN-2022 (10)	FEB-2022 (11)	MAR-2022 (12)	APR-2022 (13)		ATCOMPLETE (14)
C2 - Inner Area End States		155	5,548	150	150	139	135	118	21	-	-	0	0	0	6,260
g. TOTAL DIRECT		155	5,548	150	150	139	135	118	21	-	-	-	-	-	6,260

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) 2021 / 05 / 24	
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER 89303921FEM400029		b. PHASE				b. TO (YYYYMMDD) 2021 / 06 / 20	
		c. TYPE IDIQ		d. SHARE RATIO		c. EVMS ACCEPTANCE No Yes (YYYYMMDD) N/A			
Direct Projects									
5. Evaluation		Budget	Earned	Actuals	SV in \$	SV in %	CV in \$	CV in %	SPI
Current:		0	2,673	2,977	2,672.7	0	-304.7	-11.4%	0
Cumulative:		144,683	136,002	183,169	-8,681.0	-6.0%	-47,166.7	-34.7%	0.94
		BAC	EAC	VAC in \$	VAC in %	TCPI to BAC	TCPI to EAC		
At Complete:		144,683	201,210	-56,527	-39.1%	0	0.48		
Explanation of Variance/Description of Problem:									
Current Month Schedule Variance: 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.									
Current Month Cost Variance: The negative CM cost variance is within threshold.									
Cumulative to Date Schedule Variance: 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.									
Cumulative to Date Cost Variance: 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. 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.									
Impact:									
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.									
Cost Impact: A negative VAC is reflective of impacts associated with recovery efforts from a contamination event that occurred on December 15, 2017.									
Corrective Action:									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
There was no change in the difference between the Contract Budget Base and the Total Allocated Budget on Format 3 for the month of June. The following items are addressed, as applicable: 1. Schedule Margin Analysis: No drawdowns of schedule margin were made in the month of June. 2. Data dictionary Changes: No change in the month of June. 3. Forecast Schedule with No Baseline: No change in the month of June. 4. UB Balance: No change in the month of June. 5. Negative Actual Cost of Work Performed (ACWP): No change in the month of June. 6. Earned Actual Cost (EAC) Analysis: Best Case = \$201,210; Most Likely = \$207,513; Worst Case = \$207,580. 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. 7. Negative CV > VAC: No change in the month of June. 8. Management Reserve Transactions: No management reserve transactions were made in the month of June. 9. Freeze Period Changes: No change in the month of June. 10. Retroactive Changes: No change in the month of June. 11. Earned Value Type Changes: No change in the month of June.									
Prepared by: Eric Denton		Date: 7/13/2021		Approved by:				Date:	

Appendix C

Contract Funds Status Report

June 2021

CPCC-2021-06, 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 2021/04/26 - 2021/05/23	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 2021/05/24 - 2021/06/20	8. PROGRAM Implementation Period	10. ADJUSTED CONTRACT PRICE a. TARGET \$397.1M b. CEILING \$397.1M

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		17.0	13.4	31.0		31.0		-2.1	-2.1	28.9		28.9
RL-0013C		98.1	74.2	137.5		137.5		-9.5	-9.5	128.0		128.0
RL-0030		59.0	41.5	80.0		80.0		-5.5	-5.5	74.5		74.5
RL-0201		1.2	0.9	1.8		1.8		-0.1	-0.1	1.7		1.7
RL-0040		41.0	30.0	52.3		52.3		-3.6	-3.6	48.7		48.7
RL-0041		64.0	51.6	92.0		92.0		-6.3	-6.3	85.6		85.6
RL-0042		1.7	1.5	2.5		2.5		-0.2	-0.2	2.4		2.4
Total		282.1	213.2	397.1		397.1		-27.3	-27.3	369.7		369.7

12. CONTRACT WORK AUTHORIZED (With Fee/Profit) - ACTUAL OR PROJECTED										
	ACTUAL TO DATE	PROJECTED								AT COMPLETION
a. OPEN COMMITMENTS										
b. ACCRUED EXPENDITURES	213.2	156.5								369.7
c. TOTAL (12a + 12b)	213.2	156.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	369.7
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