

Monthly Performance Report

May 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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APPROVED

By Janis Aardal at 11:41 am, Jun 10, 2021

Release Approval

Date

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May 2021

CPCC-2021-05, 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 May 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 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. Loadout of the 236-Z debris pile began on May 4, and a total of 43 roll-on/roll-off (RO/RO) containers were loaded with PRF debris. The 19 IP-2 bags of previously loaded PRF waste and 6 legacy RO/RO cans were dispositioned and loaded into Environmental Restoration Disposal Facility (ERDF) containers as well. A total of 92 RO/RO containers containing 236-Z and ancillary debris were shipped for disposal to ERDF in the month of May. Work continues on the work planning and mockup for the 236-Z and 242-Z Slab characterization scope currently planned for July 2021.

RL-0013 – Solid Waste Stabilization and Disposition: The W-135 MCSC Project completed Capsule Storage Area (CSA) road improvements and installation of the raw water pipeline to support fire protection requirements. The CSA construction contractor initiated demobilization and contract closeout activities. The Waste Encapsulation and Storage Facility (WESF) Modifications construction contractor completed installation of utility pads and initiated size reduction of the truck port cover blocks within the WESF canyon. The Central Waste Complex (CWC), Waste Receiving and Processing Facility (WRAP) and Low Level Burial Grounds (LLBG) completed implementation plan activities for the RL-approved Evaluation of the Safety Situation for Operational Awareness DOE-ASMT-2020-4142, Solid Waste Operations Complex Master Documented Safety Analysis reviews. CWC also completed installation of new protective covers over two waste boxes located in the Outside Storage Area (OSA) A, and initiated nondestructive assay (NDA) background measurements in OSA A to support large waste box assays. At WESF the replacement of the K3N exhaust fan motors was completed. The team at T Plant completed the annual canyon differential pressure switch calibration and alarm check. Waste Projects and Operations received eight transuranic/transuranic mixed (TRU/TRUM) containers from Pacific Northwest National Laboratory (PNNL) into CWC. The Environmental Restoration Disposal Facility (ERDF) received 6,035 tons of waste for disposal. The Integrated Disposal Facility (IDF) operations and maintenance project completed monthly inspections as well as four significant storm event inspections and pumped down the leachate collection and removal sumps for Cells 1 and 2. The IDF operational readiness construction efforts achieved substantial completion during the month.

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 Central Plateau Risk Mitigation (CPRM) Reduction-Oxidation (REDOX) crews completed electrical verifications and installation of temporary power and lighting throughout the low contamination areas of the 202S REDOX facility and mechanically isolated the raw water line, in support of cold and dark activities. Additionally, the team completed the Emergency Preparedness Hazard Analysis revision to support the Documented Safety Analysis revision 8 implementation. Crews completed abatement of 1,098 feet of asbestos-insulated steam lines to support demolition preparation activities in the Plutonium Uranium Extraction (PUREX) Plant North footprint. Crews completed intrusive electrical investigations at 203A/211A and the corresponding isolation indices, in support of cold and dark planning, and the ready-for-demolition checklists for 214A, 2714A, and 2701AB. Crews also completed demobilization from the 241-Z-361 Tank stabilization effort.

RL-0041 – Nuclear Facility D&D, River Corridor Closure Project: Crews completed in-process soil sampling and began post-excavation global radiological surveys of the 100-K-47:1, 100-K-47:2 and 100-K-60 waste sites, and also completed demolition of the 1705K facility adjacent to the north face of 165KE and toppled 165KE stacks. The team at 105K West received approval for the garnet filter media retrieval (GFMR) operations to proceed and commenced operations on May 20, 2021. The vertical pipe casing (VPC) installation contractor finished disconnecting and relocating the pump and flow meter skids. The contractor also successfully moved all four VPC bases into position in the basin, leveled and installed the center weldment frames between each set of the VPCs and the tipping assembly weldment frames. The team at 324 Building Disposition completed Room 18 waste loadout and continued interference removal. The Hanford Review Board process for drilling micropile holes and maintenance was completed.

RL-0042 – Fast Flux Test Facility (FFTF): The CPRM project team completed the design and engineering documents for the argon conversion at Fast Flux Test Facility (FFTF) from liquid argon to pressurized gas cylinders. This system change will enhance the reliability of the argon system, result in cost savings and make the system easier to manage. The project team also successfully completed a fitment test for the P-16 Pump and validated that all parts have been obtained in order to put the P-16 Pump back in service.

RL-0201 – B Reactor: B Reactor/Manhattan Project National Historical Park projects performed general housekeeping and maintenance activities at B Reactor, White Bluffs Bank and train cars. The project cleaned the stairway Radiological Buffer Areas (RBAs), and inspected and repaired stair treads; filled wall penetration of the X1 Contamination Area (CA); cleaned and lubricated sliding door track; inspected B Reactor laydown yard and building for out-of-compliance issues; inspected pre-war areas for wind damage; removed tumbleweeds and trimmed vegetation around B Reactor, Bruggemann's Warehouse, Allard Pump House and Hanford High School; performed walk downs and staged materials at White Bluffs Bank for upcoming repairs and maintenance; and prepared to dismantle fire ring and door shelter at Bruggemann's Warehouse.

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 (EVMS), 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 Site contractors' labor representatives in preparation for CBA negotiations that will occur in the fall. A mentor-protégé agreement package has been completed with Pacific Northwest Consultants for submission to the Small Business Administration for review and approval.

Environment, Safety, Health and Quality (ESH&Q): Outstanding safety performance continued in May, maintaining 0.00 DART and TRC rates. ESH&Q conducted five Emergency Preparedness (EP) drills across several projects and submitted four EP technical documents to RL for review and approval. Thirty-two assessments 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 Safety Management Plan reviews were completed for Contractor Assurance System, Procedures and Training and Work Control. Twenty-nine new radiological control technicians (RCTs) commenced onboarding and began training on May 10, 2021. The new RCTs will be ready to be deployed into the field, under supervision, in August 2021.

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 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.

End States Strategy and Integration (ESS&I): During May, ESS&I began development of business cases for candidates for graded approach to implementing contract requirements, including review with RL. 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. In addition, a solicitation was issued for subcontractor bids for EVMS surveillance activities supporting both EVMS and estimating system approvals. Supporting longer range strategic planning, ESS&I supported multiple capability reviews of the PREP toolset with various stakeholders including RL and regulators. The PREP toolset is the cornerstone for CPCCo evaluation of optimized end state strategies to reduce lifecycle liability and human, health and environmental reduction.

Chief Engineer Organizations: The Chief Engineer organization continued progress in key staffing actions including onboarding new hires to backfill attrition and staff augmentation resources. The Work Control, Training and Procedures Safety Management Program briefings were delivered to the Executive Safety Review Board. Nuclear Safety supported the U.S. Department of Transportation (DOT) Special Permit Application for off-site shipping and the planned major revision of the Transportation Safety Document.

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	24.0	(4.0)
RL-0013	Solid Waste Stabilization and Disposition	127.9	121.9	6.1
RL-0013	W-135 WESF Mods 18-D-404	27.5	10.5	17.0
RL-0030	Soil, Groundwater and Vadose Zone Remediation	84.3	76.7	7.6
RL-0201	B Reactor	2.1	1.6	0.5
RL-0040	Nuclear Facility D&D, Remainder of Hanford	54.8	56.7	(1.9)
RL-0041	Nuclear Facility D&D, River Corridor	92.5	86.1	6.3
RL-0042	Fast Flux Test Facility Closure	3.2	2.4	0.9
Total Fiscal Year Spending Forecast		412.4	380.0	32.5

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 \$380.0 million reflects a reduction of \$35 million by incorporating the efficiencies and scope deferrals identified to align with revised funding levels incorporated last month.

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	3.5	3.9	2.7	(0.4)		146.4	135.0	182.0	(11.4)	(47.0)	149.0	196.5	(47.5)
RL-0013 - Solid Waste Stab & Disposition	16.1	15.1	12.3	(1.1)	2.7		65.7	58.3	52.8	(7.4)	5.4	140.4	131.9	8.5
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	8.7	7.8	4.4	(0.9)	3.4		38.7	33.4	27.0	(5.3)	6.4	81.4	75.9	5.4
RL-0040 - Nuc Fac D&D - Remainder	5.9	3.9	4.8	(1.9)	(0.9)		31.3	22.3	24.1	(9.0)	(1.9)	65.9	72.3	(6.3)
RL-0041 - Nuc Fac D&D - RC Closure Project	11.5	10.5	9.7	(1.0)	0.8		45.0	40.3	40.1	(4.7)	0.1	94.2	91.6	2.6
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.2	0.0	(0.0)		0.9	1.0	1.2	0.2	(0.2)	2.4	2.4	(0.0)
RL-0201 - Hanford Site-Wide Services	0.1	0.1	0.1	-	0.0		0.4	0.4	0.6	-	(0.2)	0.9	1.6	(0.7)
Total	43.3	41.2	35.4	(2.1)	5.7		328.3	290.7	327.9	(37.7)	(37.3)	534.2	572.2	(38.0)

(Values are rounded to the nearest \$0.1M)

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

Currently, a variance at completion of -\$38.0 million is projected. This is primarily due to the PFP capital asset performance data being carried from CHPRC. For May, the project was 4.9 percent behind schedule and 14.0 percent below planned cost. Contract to date, the project was 11.5 percent behind schedule and 12.8 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.

The current month (CM) schedule variance is within thresholds.

The CM positive cost variance is primarily due to efficiencies, lower than planned well drilling subcontract costs resulting from lower than planned contract values and some over-accrual reversal at S&GR. Notably, the W-135 Management of Cesium and Strontium Capsules (MCSC) Project also experienced a large positive cost variance due to Nuclear Assurance Corporation (NAC) accrual reversals in May. These subcontract costs were over-accrued in April.

SUBCONTRACTED WORK

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

Small Business Performance – Master Plan

Cumulative Value			
Row Labels	Award Value	% of total	Goal %
SB	\$ 40.1	71.6%	60.0%
VOSB	\$ 6.4	11.5%	3.0%
SDVO	\$ 5.8	10.4%	3.0%
HUB	\$3.7	6.6%	3.0%
SDB	\$ 16.0	28.6%	5.0%
SWOB	\$ 4.9	8.7%	5.0%
Total	\$ 56.0	100%	

Values are rounded to the nearest \$0.1M

- 60 percent of all subcontracted dollars are to go to small businesses on a cumulative basis.
- CPCCo has been issued two tasks through the end of the current reporting period. Task Order 1 was for transition and predates the start of contract operations. Only 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				
Row Labels	Award Value	% of total	Goal %	Goal \$
VOSB	\$ 6.4	11.5%	3.0%	\$ 1.1
SDVO	\$ 5.8	10.4%	3.0%	\$ 1.1
HUB	\$ 3.7	6.6%	3.0%	\$ 1.1
SDB	\$ 16.0	28.6%	5.0%	\$ 1.8
SWOB	\$ 4.9	8.7%	5.0%	\$ 1.8
Total Subcontracted	\$ 56.0	100%		\$ 35.5

Values are rounded to the nearest \$0.1M

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

Cumulative Small Business Performance

Cumulative Small Business Performance	
Cumulative Contract Value	\$ 397.1
Small Business Cumulative Goal	18.0%
Total Goal	\$ 71.5
Small Business Cumulative Performance	\$ 40.1

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	\$ 20.0	81.6%	757	78.0%
Non Competitive Awards	\$ 4.5	18.4%	214	22.0%
Total	\$24.5		971	

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)	\$ 33.3	59.5%
Non FFP	\$ 22.7	40.5%
Total	\$ 56.0	

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. Through May, 79 percent of new awards issued by CPCCo after transition were made on a fixed price basis. The primary driver for non FFP award dollars are extensions or modifications to non-fixed price contracts that were issued by CHPRC and assigned to CPCCo. This trend demonstrates a commitment to utilizing fixed price arrangements to the maximum extent practicable for new work awarded by CPCCo.

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 May. There were no recordable or lost time injuries during May.

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)

May 2021

CPCC-2021-05, 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. Loadout of the 236-Z debris pile began on May 4, and a total of 43 roll-on/roll-off (RO/RO) containers were loaded with PRF debris. The 19 IP-2 bags of previously loaded PRF waste and 6 legacy RO/RO cans were dispositioned and loaded into Environmental Restoration Disposal Facility (ERDF) containers as well. A total of 92 RO/RO containers containing 236-Z and ancillary debris were shipped for disposal to ERDF in the month of May. Work continues on the work planning and mockup for the 236-Z and 242-Z Slab characterization scope currently planned for July 2021.

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	2	2	<p>5/26/2021 - Employee received a contusion/bruise to right hand as the wind gusted and blew a gate they were opening back toward the employee. The employee reacted and put their hand up causing the gate to make contact with the employee's knuckles. (40071)</p> <p>5/27/2021 - Employee was walking and stepped in an uneven area of the ground and rolled their ankle. The employee heard a pop and kept working. When the employee got back to their trailer after the entry they took their boot off and noticed swelling caused by a sprain. (40072)</p>
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 May.										
Realized Risks (Risks that are currently impacting project cost/schedule)										
No realized risks identified in May.										
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed.)										
No critical risks identified in May.										
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 May. 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 May. 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 May.										
Unassigned Risks (Pending ownership of identified threats/opportunities)										
No unassigned risks identified in May.										

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	3.5	3.9	2.7	345.5%	(0.4)	-12.5%

Numbers are rounded to the nearest \$0.1 million.

RL-0011 includes RL-011.C2-CAP from the Plateau Remediation Contract (PRC) (ACWP = +3.5K).

CM Schedule Variance: (+\$2.7M/+345.5%)

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.

CM Cost Variance: (-\$0.4M/-12.5%)

The CM cost variance is within the threshold.

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	146.4	135.0	182.0	(11.4)	-7.8%	(47.0)	-34.8%	149.0	196.5	14.5	(47.5)

Numbers are rounded to the nearest \$0.1 million.

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

CTD Schedule Variance: (-\$11.4M/-7.8%)

The negative CTD schedule variance is due to delayed resumption preparations. Demolition was planned for February, but resumption planning and field activities needed to restart demolition on April 6, 2021, did not commence until February and continued into April. For the remaining CAP2 variance explanation, see the CH2M HILL Plateau Remediation Company (CHPRC) Monthly Performance Reports.

CTD Cost Variance: (-\$47.0M/-34.8%)

The negative CTD cost variance is due to the unplanned demolition resumption planning and field activities in March in preparation for restarting demolition on April 6, 2021. Mechanics serviced the heavy equipment, and additional project resources continued preparing the PFP site for this resumption. In addition to these site preparation activities, the project underwent the Hazard Review Board process to prepare for demolition resumption. These are one-time costs that will not be recovered. For the remaining CAP2 variance explanation (-\$43.9M), see the CHPRC January Monthly Performance Report.

Variance at Completion (VAC): (-\$47.5M/-31.8%)

See the CHPRC January Monthly Performance Report for the CAP2 variance explanation.

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	24.0	(4.0)
Numbers are rounded to the nearest \$0.1 million.			

Funds/Variance Analysis

The FY2021 variance of -\$4.0 million reflects projected funding of \$20.0 million and a spending forecast of \$24.0 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 July 20, 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 September 23, 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, non-enforceable 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		9/23/2021	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 equipment maintenance, additional refresher training and planning needed to resume demolition activities.

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)

May 2021

CPCC-2021-05, 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 completed Capsule Storage Area (CSA) road improvements and installation of the raw water pipeline to support fire protection requirements. The CSA construction contractor initiated demobilization and contract closeout activities. The Waste Encapsulation and Storage Facility (WESF) Modifications construction contractor completed installation of utility pads and initiated size reduction of the truck port cover blocks within the WESF canyon. Progress continued on the Cask Storage System (CSS) equipment with completion of the control panels.

Waste Projects & Operations

The Central Waste Complex (CWC), Waste Receiving and Processing Facility (WRAP) and Low Level Burial Grounds (LLBG) completed implementation plan activities for the U.S. Department of Energy (DOE), Richland Operations Office (RL) approved Evaluation of the Safety Situation for Operational Awareness DOE-ASMT-2020-4142, Solid Waste Operations Complex Master Documented Safety Analysis reviews. CWC also completed installation of new protective covers over two waste boxes located in the Outside Storage Area (OSA) A and initiated nondestructive assay (NDA) background measurements in OSA A to support large waste box assays. At WESF the replacement of the K3N exhaust fan motors was completed. T Plant completed the annual canyon differential pressure switch calibration and alarm check. Waste Projects and Operations received eight transuranic/transuranic mixed (TRU/TRUM) waste containers from Pacific Northwest National Laboratory (PNNL) into CWC.

The Environmental Restoration Disposal Facility (ERDF) received 6,035 tons of waste for disposal. The Integrated Disposal Facility (IDF) operations and maintenance project completed monthly inspections as well as four significant storm event inspections and pumped down the leachate collection and removal sumps for Cells 1 and 2. The IDF operational readiness construction efforts achieved substantial completion except for punch-listed items: ongoing supervisory control and data acquisition installation, and future installed waste storage and treatment pads. An order was placed for replacement of the primary liners in the leachate collection tanks.

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	0%
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	80%
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	2	5	<p>5/11/2021 - Employee and co-worker were putting a sleeve around a high-efficiency particulate air filter to manipulate it into place. While rotating it around, most of the weight ended up on the worker's hand and arm. The employee felt a pop and pain in their forearm. (40062)</p> <p>5/20/2021 - Employee was exiting the WRAP Facility on the loading dock and was startled by a bird. The employee's reaction caused them to jump and strain their left hip. (40065)</p>
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 TRU/TRUM waste containers to Perma-Fix Northwest (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 PFWN. 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 CSS-0006-T: Fabrication of the Equipment from the Contractor 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 May. The fabrication subcontractor for critical path equipment is taking the following actions as necessary when workers are not available due to COVID-19: Adjust assignment of key resources that are available to maintain progress on critical path and near critical path equipment, hire additional temporary resources, subcontract some portions of the work and schedule overtime to meet key dates. This risk continues to be realized as workers are impacted by COVID-19 and vendors work to clear their backlog. Some materials needed for fabrication are having supply chain delays due to COVID-19 (steel and some electronics). Fabricators are adjusting schedule logic to attempt to minimize impacts to the extent possible.</div>	Risk Recovery Action(s)	FC Date	%	Subcontractor to manage resources to mitigate impacts for fabrication of critical path equipment.	Ongoing	N/A
Risk Recovery Action(s)	FC Date	%								
Subcontractor to manage resources to mitigate impacts for fabrication of critical path equipment.	Ongoing	N/A								

Risk Title	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-0013/WBS-013													
CSS-0012-T: CSS Design Changes	<p>During fabrication of the CSS equipment, necessary design changes are identified, resulting in cost and schedule impacts to the project.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Likely (75% to 90%)</p> <p>Worst Case Impacts: \$750K, 96 days</p>	<div></div>	<div></div>	<p>Risk Event: Design changes for the CSS equipment have been identified by the 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 May. 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>	<div></div>	<div></div>	<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: 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. As of the end of fiscal month May, 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											
MODS-0024-T: Novel Viral Pandemic (COVID-19) Impacts Project Performance	<p>Unprecedented changes in work practices / procedures or lack of resources because of the novel coronavirus COVID-19 pandemic impact project performance for WESF Modifications (MODs) construction.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Very likely (>90%)</p> <p>Worst Case Impacts: \$59K, 64 days</p>	<div></div>	<div></div>	<p>Risk Event: Key resources for the WESF Mods subcontractor were diagnosed with COVID-19 or required to quarantine due to potential exposure.</p> <table><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Complete quarantine period and remobilize to site</td><td>Complete</td><td>100</td></tr><tr><td>Update field execution schedule to reflect impact of COVID-19 risk realization.</td><td>Complete</td><td>100</td></tr></table> <p>Recovery Action Assessment: On 04/05/21, several key members of the WESF Modifications Construction Contractor were either diagnosed with COVID-19 or required to quarantine due to exposure. The impact of this diagnosis was a 2-3 week negative impact to the WESF Modifications construction schedule. Subcontractor personnel remobilized to the WESF Site on 04/19/21 and have been working to complete pre-work submittals, training, and work package development. Project management personnel worked closely with the subcontractor to evaluate construction schedule impacts and update the field execution schedule to reflect realizing of this risk. This risk is no longer being realized and will be removed from the stoplight chart prior to the June reporting period.</p>	Risk Recovery Action(s)	FC Date	%	Complete quarantine period and remobilize to site	Complete	100	Update field execution schedule to reflect impact of COVID-19 risk realization.	Complete	100
Risk Recovery Action(s)	FC Date	%											
Complete quarantine period and remobilize to site	Complete	100											
Update field execution schedule to reflect impact of COVID-19 risk realization.	Complete	100											

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

Risk Title	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0013/WBS-013										
FY2021 Key Risks										
RL13 IDF-0009-T: RCRA Permit Process Impact Final Design to Dangerous Waste Management Units (DWMU) Components	<p>Changes identified in the <i>Resource Conservation and Recovery Act of 1976</i> (RCRA) Permit process have a direct impact to the final design of components identified within the DWMU, resulting in cost and schedule delays.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Unlikely (10% to 24%)</p> <p>Worst Case Impacts: \$250K, 32 days</p>			<p>Risk Trigger Metric: During review of the RCRA Permit documentation, the Washington State Department of Ecology (Ecology) finds issues to DWMU components already installed, resulting in design changes.</p> <table border="1"><thead><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>Working with state regulators to negotiate the acceptance of the current Leachate Collection Tank (LCT) design into the RCRA Permit, without modifications to the existing tank system.</td><td>TBD</td><td>N/A</td></tr></tbody></table> <p>Mitigation Assessment: No significant change in May. 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 May .										

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	16.1	15.1	12.3	(1.1)	-6.7%	2.7	18.2%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Variance: (-\$1.1M/-6.7%)

The CM negative schedule variance is due to the delayed start of the garnet filter media transfer into STSCs while waiting for authorization to transport the STSCs to T Plant. The additional transportation requirement was not recognized until after the project baseline was established. The standard waste boxes (SWBs) were not purchased, the 1800TL Plutonium Finishing Plant (PFP) shipments were delayed due to the Transportation Safety Document (TSD) issue and NDA was delayed due to the Evaluation of Safety of the Situation (ESS) implementation and RL funding reduction. In addition, the Mobilize Construction project for the CSA completed work in a prior month instead of the current month as planned and some planned work is being executed in a different sequence for WESF Modification Construction than originally planned in the baseline. Other contributors include material receipt for transportable storage canisters (TSCs) was completed in a prior month and the manipulator and interface preparations were delayed due to staffing unavailability as other high-priority work has taken precedence for Maintenance and Storage Facility (MASF) mockup preparations.

CM Cost Variance: (+\$2.7M/+18.2%)

The CM positive cost variance is due to reduced staffing levels at T Plant and a result of efficiencies in the spalling and Tank M-101 scope. In addition, the PNNL and NAC contract accrual issues were reversed this month for the Canister Storage Building (CSB) and material receipts for TSCs, which were over-accrued in the prior month.

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	65.7	58.3	52.8	(7.4)	-11.3%	5.4	9.3%	140.4	131.9	79.1	8.5

Numbers are rounded to the nearest \$0.1 million.

CTD Schedule Variance: (-\$7.4M/-11.3%)

The CTD negative schedule variance is due to the delayed start of the garnet filter media transfer into STSCs while waiting for authorization to transport the STSCs to T Plant. The additional transportation requirement was not recognized until after the project baseline was established. The SWBs were not purchased, the 1800TL PFP shipments were delayed due to the TSD issue and NDA was delayed due to the ESS implementation and funding reductions. In addition, WRAP roof replacement and LLBG RCRA compliance scope have been deferred to FY2022 as part of the funding reduction requirements. Contract transition resulted in contract award delays for the Transfer Station Area Utility Revision electrical work and WESF Modification construction, which delayed the start of work activities. Other contributors include the CSS ancillary system fabrication delay due to change order negotiations with the vendor for the EHBS systems. Additionally, technical difficulties in fabricating this first of a kind equipment have caused schedule delays (i.e., indexer lead insertion issues, difficulty meeting dimensional tolerancing required by the design). The MASF Mockup Preparations have been delayed due to staffing unavailability as higher priority work has taken precedence to support the K Area Mockup.

CTD Cost Variance: (+\$5.4M/+9.3%)

The CTD positive cost variance is primarily labor due to attrition and vacancies. Material orders and deliveries for Project Management, CSB, CWC and T Plant also contributed. Additionally, the WESF Modification Construction work was completed by the contractor for less than planned in the baseline and the demolition and concrete placement of the outdoor heating ventilation and air conditioning pad cost less than was planned. Planned subcontractor support has not been required as anticipated for technical support for capsule transfer. Upcoming support to prepare the Contractor Mockup/Integrated Testing (CMIT) plan is required and will offset the CTD cost variance from the capsule transfer. Additionally, ERDF costs were less than planned due to lower waste generation than expected.

Variance at Completion (VAC): (+\$8.5M/+6.0%)

The CTD variance at completion is within threshold.

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	121.9	6.1
W-135 WESF Modifications (Line Item)	27.5	10.5	17.0
RL-0013 – Total	155.4	132.4	23.0
Numbers are rounded to the nearest \$0.1 million.			

Funds/Variance Analysis

The FY2021 variance of \$23.0 million reflects projected funding of \$155.4 million and a spending forecast of \$132.4 million. Of this variance, \$17.0 million is for line item funding. The Waste Stabilization & Disposition spending forecast reflects the efficiencies and scope deferrals identified to align with the revised funding level incorporated last month.

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-21-012	HPIC Updates May 2021	This administrative baseline change request (BCR) incorporated May 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 May. Change to management reserve: No change in May.		

OBJECTIVE PERFORMANCE MEASURES**Cesium/Strontium Capsule Storage Project**

Key Criteria	Complete CSA pad construction, complete mobilization and initiation of work for WESF Modifications and continue fabrication of CSS transfer ancillary equipment.
Key Accomplishments	Completed WESF Modifications utility pads and initiated work within the WESF canyon.
Benefit to the Government	Essential infrastructure to enable capsule relocation to dry storage.

Direct-Feed Low Activity Waste Support: Integrated Disposal Facility

Key Criteria	Complete construction of IDF upgrades (excludes construction of the waste treatment and storage pads) and preparation of environmental documents required for direct feed low-activity waste operation.
Key Accomplishments	<ul style="list-style-type: none"> Completed site leveling, grading and installation of road signage. Demobilized underground contractor. Approved factory acceptance testing for Immobilized Low-Activity Waste (ILAW) grapples.
Innovations/Efficiencies Implemented	Determined the best funding model for future operations at the IDF is to be direct funded by RL, except for special handling.
Benefit to the Government	Work performed to date will provide a cost-effective disposal option for RCRA waste on the Hanford Site.

MILESTONE STATUS

The following table is a look ahead at FY2021 Tri-Party Agreement-enforceable milestones, non-enforceable target due dates and commitments for RL-0013.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-03O	TPA M-091-03O Submit Revision of TRUM Waste and Mixed Low-level Waste to Ecology	9/30/2021		9/30/2021	On Schedule
M-091-52-T02	TPA M-091-52-T02 Submit to Ecology an Interim Response Action to meet M-091-49A	9/30/2021		9/30/2021	On Schedule Tentative agreement was signed on 2/10/2021. The milestone 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)*	6/28/2021

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

Section C

Soil and Groundwater Remediation Project (RL-0030)

May 2021

CPCC-2021-05, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

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

P&T Operations

Treatment Facility	Million Gallons Treated		Chrome (kg)		Carbon Tet (kg)		Tech-99 (pCi)		Uranium (kg)	
	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD
DX P&T	32.7	243.3	1.5	12.5						
HX P&T	25.7	198.6	3.7	27.8						
KR-4 P&T	10.7	99.8	0.2	1.2						
KW P&T	12.6	102.3	0.6	4.2						
KX P&T	31.0	198.0	1.4	8.9						
200 West P&T	110.0	838.7	0.7	5.8	173	1274	1.8x10 ¹¹	14.8 x10 ¹¹	8.6	64.4
Combined	222.7	1,680.8	8.0	60.6	173	1274	1.8x10 ¹¹	14.8 x10 ¹¹	8.6	64.4
FY2021 Gold Metric	--	2,200.0	--	80.0	--	1,800.0	--	2.4Ci	--	90.00

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	2	2
100-NR-2	1	0	0
M-24 Milestone	22	1	1
200-ZP-1	7	1	1
Total FY2021 Wells	37	4	4
Site Wide Boreholes	2	0	2

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

200-WA-1

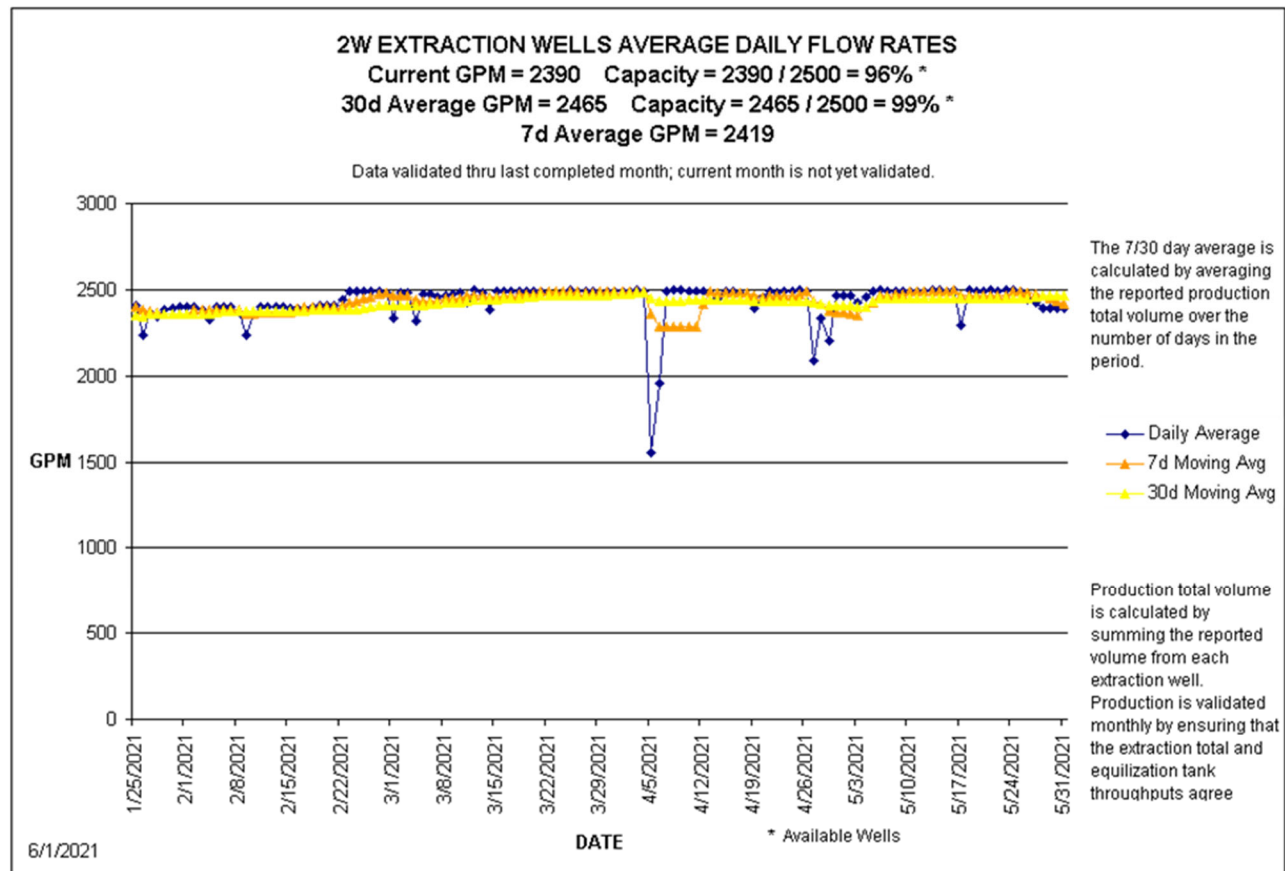
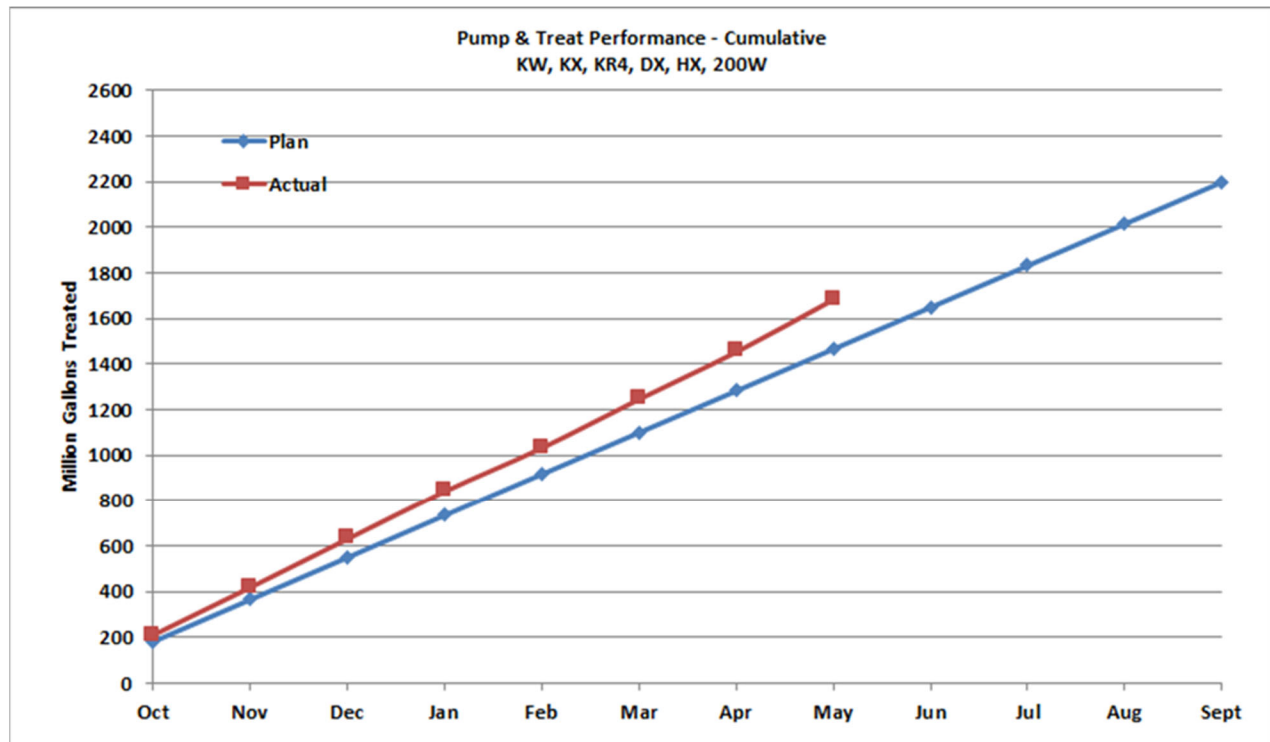
- Transmitted the Draft Representative Analogous Site Coordinating Agency Liaison (RASCAL) conceptual site model (CSM) group changes to the U.S. Department of Energy (DOE), Richland Operations Office (RL) for review and delivery to the U.S. Environmental Protection Agency (EPA).

200 West P&T

- Operated the 200 West Area P&T at an average of 2,462 gpm, below the facility capacity of 2,500 gpm.
- Completed layup activity for membrane bioreactor chemical line flushing and for lime/sludge conveyor cleaning.
- Commenced layup activity for flushing the odor scrubber.

100 Area P&Ts

- Commenced well realignment activities for conversion of extraction well HE41 to injection well HJ05.
- Commenced well realignment activities for conversion of extraction well HE21 to injection well HJ18.
- Completed operations acceptance testing of new injection well HJ01.
- Operated the DX P&T at 704 gpm, below the facility capacity of 775 gpm.
- Operated the KR-4 P&T at 256 gpm, below the facility capacity of 330 gpm.
- Operated the KW P&T at 292 gpm, below the facility capacity of 330 gpm.
- Operated the KX P&T at 696 gpm, below the facility capacity of 900 gpm.
- Operated the HX P&T at 553 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	76%

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

SAFETY PERFORMANCE

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

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



MAJOR ISSUES

None currently identified.

KEY RISKS

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

Risk Title	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0030/WBS-030										
Explanation of major changes to the project monthly spotlight chart: No major changes in May.										
Realized Risks (Risks that are currently impacting project cost/schedule)										
No Realized Risks identified in May.										
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)										
No Critical Risks identified in May.										
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)										
No High Risks identified in May.										
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><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><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></table> <p>Mitigation Assessment: No significant change in May. 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><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><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></table> <p>Mitigation Assessment: No significant change in May. 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								

Risk Title	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0030/WBS-030										
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 May. 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 May .										

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	8.7	7.8	4.4	(0.9)	-10.2%	3.4	44.2%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Variance: (-\$0.9M/-10.2%)

The CM unfavorable schedule variance has resulted from a combination of drilling delays and document production delays. The 200-ZP-1 monitoring and extraction well drilling campaigns continue to progress slowly through difficult geological conditions that have caused the work to take longer than expected. Additionally, the 200-DV-1 drilling subcontractor was redirected to complete 100-NR-2 borehole work because of a broken casing at the 200-DV-1 drill site. Borehole work at 100-NR-2 has recently been completed and drilling resources have returned to 200-DV-1.

Delays have occurred to the 100 Area/200 Area annual reports and the 200-IA-1 focused feasibility study (FFS) while subcontracted resources are acquired. In addition, uncertainty associated with the 200-IA-1 approach to the homeless sites and RASCAL approach rework are extending the time to complete the FFS.

CM Cost Variance: (+\$3.4M/+44.2%)

The CM favorable cost variance has resulted from a combination of (1) *Resource Conservation and Recovery Act of 1976* (RCRA) M-24 well drilling contracts that were awarded for less than planned, (2) biomobilization preparation activities that have not been as resource intensive as planned and (3) labor and material efficiencies

originating from the Integrated Field Work and 200 Area Operations and Maintenance (O&M) level of effort (LOE) accounts.

The RCRA well drilling budgets were based on actual costs from previous well drilling campaigns. The current contracts have been issued for less than the budgeted costs. Biomobilization preparation activities have been far less time and resource intensive than expected. The planning assumptions were bottoms-up, but the project has been able to reduce costs by capitalizing on existing procedures and structures to prepare for the field work. Additionally, there were some over accruals from the prior month that were reversed causing additional CM positive cost variance.

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	38.7	33.4	27.0	(5.3)	-13.6%	6.4	19.3%	81.4	75.9	49.0	5.4

Numbers are rounded to the nearest \$0.1 million.

CTD Schedule Variance: (-\$5.3M/-13.6%)

The CTD unfavorable schedule variance has resulted from drilling delays. RCRA well drilling work was level-loaded during planning but is being performed with different time phasing according to the subcontractor's schedule. This campaign is expected to complete during December 2021 to meet the M-24 drilling milestone. The monitoring and extraction well drilling campaigns have been delayed due to difficult geological conditions and a broken well casing that has caused the work to be performed more slowly than expected.

Delays have occurred to the 100 Area and 200 Area annual reports and the 200-IA-1 FFS while subcontracted resources are acquired. In addition, uncertainty associated with the 200-IA-1 approach to the homeless sites and RASCAL approach rework are extending the time to complete the FFS.

CTD Cost Variance: (+\$6.4M/+19.3%)

The CTD favorable cost variance has resulted from a combination of (1) RCRA M-24 well drilling contracts that were awarded for less than planned, (2) biomobilization preparation activities that have not been as resource intensive as planned, (3) resources supporting the 100-KR-4 Operations LOE account were reprioritized in support of vessel repair work planned in another account and (4) continued labor and material efficiencies originating from the Integrated Field Work and 200 Area O&M LOE accounts.

The RCRA well drilling budgets were based on actual costs from previous well drilling campaigns. The current contracts have been issued for less than the budgeted costs. Biomobilization preparation activities have been far less time and resource intensive than expected. The planning assumptions were bottoms-up, but the project has been able to reduce costs by capitalizing on existing procedures and structures to prepare for the field work.

Variance at Completion (VAC): (+\$5.4M/+6.7%)

The VAC is within the reporting threshold.

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	76.7	7.6

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

The FY2021 variance of \$7.6 million reflects projected funding of \$84.3 million and a spending forecast of \$76.7 million. The spending forecast reflects the efficiencies and scope deferrals identified to align with the revised funding level incorporated last month.

Critical Path Analysis

The critical path analysis will be provided upon request.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-012	HPIC Updates May 2021	This administrative baseline change request (BCR) incorporated May 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 May. Change to management reserve: No change in May.		

OBJECTIVE PERFORMANCE MEASURES**Contaminated Groundwater Treatment**

Key Criteria	Treat 2.2 billion gallons of contaminated groundwater in FY2021 (1.6 under CPCC).
Key Accomplishments	Have treated 1.68 billion gallons (0.85 under CPCC) fiscal year to date.
Challenges Overcome	Treatment system support via resolution of sheet metal hazard at the 200 West P&T stripper tower.
Benefit to the Government	Currently on track to complete treatment of more than 2.2 billion gallons of contaminated groundwater this fiscal year.

MILESTONE STATUS

The following table is a look ahead at the FY2021 *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) enforceable milestones, non-enforceable 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)	6/30/2021
RL Review of Decisional Draft 200-PO-1 CSM Sampling and Analysis Plan (SAP)	2/4/2021(A)	5/27/2021
RL Review of Draft Annual Groundwater Report	5/4/2021(A)	6/2/2021
RL Review of Draft 100 Area P&T Report	6/2/2021	7/1/2021
RL Review of Draft 200 Area P&T Report	6/16/2021	7/19/2021
RL Transmit Draft A 100-HR-3 Groundwater Rebound SAP to Regulators for Review	6/16/2021	6/24/2021
RL Review of Decisional Draft 100-KR-4 FY2021 KE Soil Flushing SAP	6/17/2021	7/16/2021
RL Review of 100-KR-4 Aquifer Tube Sampling Instructions Tri-Party Agreement Change Notice	6/17/2021	6/25/2021
RL Review of 100-KR-4 FY2021 Drilling SAP Addendum	6/30/2021	7/29/2021
RL Review of 100-KR-4 FY2021 Waste Management Plan Tri-Party Agreement Change Notice	7/1/2021	7/30/2021
RL Submit Draft A of 200-BP-5/200-PO-1 IA RD/RAWP to Regulators	7/13/2021	7/26/2021
RL Review of 100-KR-4 Groundwater Monitoring SAP FY2021 Update	7/22/2021	8/20/2021
RL Transmit Draft A 200-PO-1 CSM SAP to Regulators	7/30/2021	8/10/2021

Section D

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

May 2021

CPCC-2021-05, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

The Central Plateau Risk Mitigation (CPRM) Reduction-Oxidation (REDOX) crews completed electrical verifications and installation of temporary power and lighting throughout the low contamination areas of the 202S REDOX facility and mechanically isolated the raw water line, in support of cold and dark activities. Additionally, the team completed the Emergency Preparedness Hazard Analysis revision to support the Documented Safety Analysis revision 8 implementation. Crews completed abatement of 1,098 feet of asbestos-insulated steam lines to support demolition preparation activities in the Plutonium Uranium Extraction (PUREX) Plant North footprint. Crews completed intrusive electrical investigations at 203A/211A and the corresponding isolation indices, in support of cold and dark planning, and the ready-for-demolition checklists for 214A, 2714A and 2701AB. Crews also completed demobilization of the 241-Z-361 Tank stabilization effort.

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 CPRM project.*	9/30/2021	64%
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 May.										
Realized Risks (Risks that are currently impacting project cost/schedule)										
BPlantIA-0002-T: 224B Resource Availability	<p>Other higher Central Plateau Cleanup Company (CPCCo) priority work results in reallocation of resources. Improving job markets and other scenarios result in competition for key resources. In addition higher than anticipated attrition impacts project cost.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Somewhat likely (26% to 74%)</p> <p>Worst Case Impacts: \$23K, 120 days</p>			<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 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 Plutonium Finishing Plant (PFP).</td><td>Ongoing</td><td>N/A</td></tr></tbody></table> <p>Recovery Action Assessment: No significant changes in May. 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	<p>Other higher CPCCo priority work results in reallocation of resources, Improving job markets, and other scenarios, result in competition for key resources. In addition higher than anticipated attrition impacts project cost.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Somewhat likely (26% to 74%)</p> <p>Worst Case Impacts: \$30K, 24 days</p>			<p>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 May. 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	<p>Other higher CPCCo priority work results in reallocation of resources, Improving job markets, in addition to other factors, result in competition for key resources. In addition higher than anticipated attrition impacts project cost.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Likely (75% to 90%)</p> <p>Worst Case Impacts: \$46K, 192 days</p>			<p>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 May. 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	Necessary resources for project execution are unavailable, resulting in schedule and cost impacts to the project. Risk Handling Strategy: Accept Probability: Somewhat likely (26% to 74%) Worst Case Impacts: \$123K, 120 days			Risk Event: Risk Event: Key resources were reallocated from the project to support PRF demolition/debris loadout activities, consistent with the IPL. <table border="1"><thead><tr><th>Risk Recovery Action(s)</th><th>FC Date</th><th>%</th></tr></thead><tbody><tr><td>Monitor staffing levels and anticipated return of resources from PFP.</td><td>Ongoing</td><td>N/A</td></tr></tbody></table> Recovery Action Assessment: No significant changes in May. 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.	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 May.										
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)										
No high threat value risks identified in May.										
FY2021 Key Risks										
No key risks identified in May.										
Unassigned Risks (Pending ownership of identified risks/opportunities)										
No unassigned risks identified in May.										

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	5.9	3.9	4.8	(1.9)	-32.9%	(0.9)	-22.0%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Variance: (-\$1.9M/-32.9%)

The CM negative schedule variance is primarily due to redirecting critical personnel resources supporting decontamination and decommissioning (D&D) activities at 224B, PUREX North, REDOX, 231Z and 224T to support the PFP demolition activities. PFP is currently scheduled to complete all waste removal activities in August, which will lead to returning personnel back to the projects listed above.

Additionally, delays in mechanical isolation activities at REDOX contributed to the negative schedule variance as efforts to incorporate hazard mitigation controls for the higher hazard work are ongoing through the incorporation of additional mockups to support safe field execution. Mechanical isolations are expected to be complete in June of fiscal year (FY) 2021. Electrical verifications and progress to run temporary power and lighting throughout higher contamination areas through REDOX have been delayed as a result of additional efforts to complete the scope of work safely and compliantly.

CM Cost Variance: (-\$0.9M/-22.0%)

The CM negative cost variance 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 (HMIS), 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.

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	31.3	22.3	24.1	(9.0)	-28.9%	(1.9)	-8.4%	65.9	72.3	48.1	(6.3)

Numbers are rounded to the nearest \$0.1 million.

CTD Schedule Variance: (-\$9.0M/-28.9%)

The CTD negative schedule variance is primarily due to redirecting critical personnel resources supporting D&D activities at 224B, PUREX North, REDOX, 231Z and 224T to support the PFP resumption preparation and demolition activities. PFP is currently scheduled to complete all waste removal activities in August, which will lead to returning personnel back to the projects listed above.

In addition, there was a delay in field activities caused by a mechanical failure in the primary heavy equipment necessary for the demolition of facilities in the PFP South Trailer Village. At REDOX, delays in mechanical isolation activities contributed as well. Efforts to incorporate hazard mitigation controls for the higher hazard work are ongoing. Additionally, electrical verifications and progress to run temporary power and lighting throughout REDOX have been partially delayed as a result of limited resource availability due to temporary reassignment to higher priority workscope.

CTD Cost Variance: (-\$1.9M/-8.4%)

The CTD negative cost variance is primarily due to key D&D labor resources being redirected to higher priority work scope at PFP. Planned fieldwork activities at 224B, 224T, REDOX and PUREX North were not completed while HMIS, 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 field work; while significant paperwork and planning was accomplished, costs were incurred without the ability to claim performance for the month.

Variance at Completion (VAC): (-\$6.3M/-9.6%)

The VAC is within threshold.

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	56.7	(1.9)
Numbers are rounded to the nearest \$0.1 million.			

Funds/Variance Analysis

The FY2021 variance of -\$1.9 million reflects projected funding of \$54.8 million and a spending forecast of \$56.7 million. The spending forecast reflects the efficiencies and scope deferrals identified to align with the revised funding level incorporated last month. Funding availability within the River Corridor control point will be evaluated for offsetting the negative variance in the event it continues.

Critical Path Analysis

Critical path analysis will be provided upon request.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-012	HPIC Updates May 2021	This administrative baseline change request (BCR) incorporated May 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 May. Change to management reserve: No change in May.		

OBJECTIVE PERFORMANCE MEASURES**Aging Facilities Risk Mitigation**

Key Criteria	<ul style="list-style-type: none"> Complete Z-cribs stabilization project. Complete Class I asbestos removal on front-side and building exterior of 224B. Perform 224B hot cell entry and perform characterization. Demolish 214A, 2714A and 2701AB facilities. Complete cold and dark process for 203A, 211A and 202S. Receive and place temporary exhausters for 202S.
Key Accomplishments	<ul style="list-style-type: none"> Completed demobilization from 241-Z-361 stabilization. Completed ready-for-demolition checklists of 214A, 2714A and 2701AB. Completed PUREX North asbestos abatement – 1,098 linear feet.
Challenges Overcome	<ul style="list-style-type: none"> High winds impacting outdoor work. Odors in PUREX North work area resulted in formal Stop Work – subsequently resolved. COVID impacts to workforce.
Innovations/Efficiencies Implemented	<ul style="list-style-type: none"> Engineering Technical Evaluation of REDOX electrical configuration – eliminated need for intrusive electrical investigations throughout. Revised Hanford Review Board process for improved efficiency.

Benefit to the Government

- Reduced potential impacts to the environment and human health and safety by abating asbestos-insulated steam lines from a heavily populated area in 200 East.
- Initiated clearing the footprint of PUREX North to allow for future hazard mitigations in the 202A PUREX Canyon.

MILESTONE STATUS

The following table is a look ahead at the FY2021 *Hanford Federal Facility Agreement and Consent Order*-enforceable milestones, non-enforceable 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		10/21/2021	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)	6/8/2021

Section E

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

May 2021

CPCC-2021-05, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

Soil Remediation

- Completed in-process soil sampling and began post-excavation radiological surveys of the 100-K-47:1, 100-K-47:2 and 100-K-60 waste sites.
- Completed post-excavation global positioning radiological surveys at 100-K-47:1, 100-K-47:2 and 100-K-60 in support of verification sampling instruction preparation.

165K East Demolition

- Completed demolition of the 1705K facility adjacent to the north face of 165KE and toppled 165KE stacks.

105K West Demolition Planning and Demolition Preparation

- Completed planning and layout for revised trailer placements.
- Completed environmental scope coverage review to support 105KW demolition.

165K West/166K West Demolition

- Completed sample analyses of the 166KW tanks. No surprise constituents were identified.

105K West Deactivation

- Received the One-Time Request for Shipping (OTRS) Justification for Continued Operations (JCO) Safety Evaluation Report (SER) from the U.S. Department of Energy (DOE), Richland Operations Office (RL), approving garnet filter media retrieval (GFMR) operations to proceed.
- The project team completed and approved the OTRS compliance matrix in support of GFMR operations and commenced operations on May 20, 2021.
- The vertical pipe casing (VPC) installation contractor finished disconnecting and relocating the pump and flow meter skids. The contractor also successfully moved all four VPC bases into position in the basin, leveled and installed the center weldment frames between each set of the VPCs and the tipping assembly weldment frames.
- Completed radiological modeling of the settler tanks based on video and dose rate data collected from the internal inspections. The draft report was issued for peer review.

Debris Disposition/System Deactivation

- Revised the demolition remedial action work plan to incorporate additional information on the use of VPCs and initiated technical editing.
- Completed below water videotaping of each of the basin bays to aid with debris cataloging and identification.

324 Building Disposition

- Completed Room 18 waste loadout and continued interference removal.
- Completed the Hazards Review Board (HRB) process for drilling micropile holes and maintenance.
- Initiated annual stack and high-efficiency particulate air (HEPA) preventative maintenance (PM) activities.
- Completed 324 exhaust and supply fan repair as well as annual PM activities.
- Completed Zone I/II HEPA testing.
- Began assembly of the North Shoring trench box.

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	50%
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	64%

*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	1	6	5/3/2021 – Employee felt a slight itch on their nose while wearing a respirator. They felt the itch was likely irritation from sweat. They continued working without realizing they had been bitten until the next day when they woke up and noticed what appeared to be a bite mark and had a minor headache. Upon arriving at work they notified their supervisor. (40059)
Near Misses	0	0	N/A

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

ISSUES

Issue

Review of compliance with DOE O 460.1D (see Operational Awareness report DOE-ASMT-2020-5110) identified noncompliance in the application of DOE/RL-2001-36, Revision 2, *Hanford Sitewide Transportation Safety Document* (TSD), to Hazard Category (HC)-2 and HC-3 facilities. The current revision of DOE/RL-2001-36 does not provide direction to conduct hazard categorization for shipments. At this time, only shipments categorized as below HC-3 may be shipped under the TSD. The planned shipments of retrieved garnet filter media are above HC-3 threshold quantities.

Corrective Action

Develop and submit an Evaluation of the Safety of the Situation (ESS) for the TSD per 10CFR830.203 and CPRC-PRO-NS-062 until the TSD is revised to be in compliance with DOE O 460.1D nuclear safety requirements. Develop and implement a JCO to authorize shipment of retrieved garnet filter media under the OTRS.

Status

The TSD ESS was approved on April 21, 2021 (Letter 2102131/21-NSD-001188_RL). The JCO was approved by RL on May 3, 2021, and CPCCo completed implementation of the OTRS JCO to allow GFMR operations. This issue is closed and will not continue to be reported.

Issue

The 300 Area End States (AES) project is experiencing 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 is bringing on four contract RCTs for the remainder of fiscal year (FY) 2021 who are scheduled to report to work on June 7. 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. Four contract RCTs have been procured by the project who will report to work on June 7. CPCCo continues to evaluate resources across all projects.



KEY RISKS

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

Risk Title	Unmitigated Risk Impacts	Assessment		Comments																		
		Month	Trend																			
RL-0041/WBS-041																						
Explanation of major changes to the project monthly spotlight chart: No major changes to the spotlight chart in May.																						
Realized Risks (Risks that are currently impacting project cost/schedule)																						
No realized risks identified in May.																						
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed.)																						
No critical risks are identified in May.																						
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><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Continued resumption/proficiency training for Room 18.</td><td>7/19/2021</td><td>76</td></tr></table> <p>Mitigation Assessment: No significant changes in May. 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.	7/19/2021	76												
Mitigation Action(s)	FC Date	%																				
Continued resumption/proficiency training for Room 18.	7/19/2021	76																				
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			<p>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.</p> <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>8/23/2021</td><td>0</td></tr><tr><td>Perform remote survey and radiological characterization of the A/D Crane.</td><td>4/22/2022</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> <p>Mitigation Assessment: In May, a new mitigation action for CPCCo to review and approve the vendor design of the Airlock 7.5 Ton Crane was added. Vendor delivery for the B Cell Crane and Bridge was delivered on March 22. 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. Procurement and fabrication of the Airlock 7.5 Ton Crane was awarded on April 7 to decrease further impacts to the project.</p>	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	8/23/2021	0	Perform remote survey and radiological characterization of the A/D Crane.	4/22/2022	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	8/23/2021	0																				
Perform remote survey and radiological characterization of the A/D Crane.	4/22/2022	0																				
Perform follow-up A/D Crane mechanical investigation.	6/15/2022	0																				

Risk Title	Unmitigated Risk Impacts	Assessment		Comments												
		Month	Trend													
RL-0041/WBS-041																
RCC-0001-T: 300-296 Latent Conditions Impact Facility Modification	<p>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.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Medium (26% to 74%)</p> <p>Worst Case Impacts: \$1,116.5K, 128 days</p>			<p>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.</p> <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> <p>Mitigation Assessment: No significant changes in May. 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.</p>	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	<p>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.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Somewhat likely (26% to 74%)</p> <p>Worst Case Impacts: \$3,317.6K, 96 days</p>			<p>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.</p> <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>6/2/2021</td><td>30</td></tr></table> <p>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.</p>	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.	6/2/2021	30
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.	6/2/2021	30														
FY2021 Key Risks																
RCC-0009-T: 300-296 Failure of Cell Shield Door	<p>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.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Unlikely (10% to 25%)</p> <p>Worst Case Impacts: \$460K, 96 days</p>			<p>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.</p> <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Perform B Cell and D Cell door pin isolations.</td><td>2/17/2022</td><td>0</td></tr></table> <p>Mitigation Assessment: No significant changes in May. 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.</p>	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														

Risk Title	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-0041/WBS-041													
RCC-0007-T: 300-296 Remote Equipment Failure During Operations	<p>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.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Unlikely (10% to 25%)</p> <p>Worst Case Impacts: \$1,336K, 90 days</p>	<div></div>	<div></div>	<p>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.</p> <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><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></table> <p>Mitigation Assessment: No significant changes in May. 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.</p>	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	<p>High dose in the airlock causes excessive radiation exposure to personnel, resulting in in-scope unplanned work impacts of cost and/or schedule.</p> <p>Risk Handling Strategy: Mitigate</p> <p>Probability: Unlikely (10% to 25%)</p> <p>Worst Case Impacts: \$400K, 72 days</p>	<div></div>	<div></div>	<p>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.</p> <table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Continue the use of increased shielding and as low as reasonably achievable controls.</td><td>Ongoing</td><td>N/A</td></tr></table> <p>Mitigation Assessment: No significant changes in May. 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.</p>	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											
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>	<div></div>	<div></div>	<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 May. 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											

Risk Title	Unmitigated Risk Impacts	Assessment		Comments												
		Month	Trend													
RL-0041/WBS-041																
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 May. 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 May .																

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	11.5	10.5	9.7	(1.0)	-8.6	0.8	8.0

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Variance: (-\$1.0M/-8.6%)

The CM unfavorable schedule variance is due to the following:

- 300 Area:
 - Micropile work scope was impacted due to the preceding Room 18 interference removal scope taking longer than planned. RCT resource shortages required to make entry into Room 18 delayed the interference removal scope. Schedule was also impacted by required 324 Building minimum-safe annual maintenance activities that could not be worked concurrently with other work inside the facility due to available RCT resources.
 - East wall soil stabilization was impacted due to the preceding temporary shoring work taking longer than planned. The temporary shoring scope was affected by the lack of RCT resources and competing critical work scope.
 - Operations support for 324 structural modifications was delayed due to the impacts of the fieldwork discussed above.

- A-Cell crane repair and surveying were not performed as a result of not completing required corrective action resumption training activities as planned due to lack of RCT and radiological engineering resources as well as competing critical work scope.
- Due to funding reduction, the project directed the REC Crane/Bridge fabrication vendor to postpone procurements until the beginning of FY2022.

CM Cost Variance: (+\$0.8M/+8.0%)

The CM favorable cost variance is due to the following:

- 300 Area:
 - The positive variance was offset by 300 AES direct staff, construction staff and subcontract costs that were realized by the project without commensurate performance due to the delays in the discrete scope planned resulting in a negative cost variance.
- 100K Area:
 - The CM positive variance of \$1.4 million is due to recognition of progress of 165KE demolition. The work scope was not planned to be complete until FY2022; however, additional resources and equipment were available and demolition is now forecasted to complete in the summer, 6 to 9 months ahead of schedule.
 - The project also realized a reduction in costs for previously over-accrued Hanford Mission Integrated Solutions support.

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	45.0	40.3	40.1	(4.7)	-10.6	0.1	0.3	94.2	91.6	51.5	2.6

Numbers are rounded to the nearest \$0.1 million.

CTD Schedule Variance: (-\$4.7M/-10.6%)

The CTD unfavorable schedule variance is due to the following:

- 300 Area:
 - Room 18 interference removal and micropile scope were delayed due to delays in finalizing the resumption training criteria and performing the required corrective action items necessary to return to work inside the building. In addition, limited RCT and radiological engineering resources have delayed work package development and performance of fieldwork.
 - East wall soil stabilization was impacted due to the preceding temporary shoring work taking longer than planned. The temporary shoring scope was affected by the lack of RCT resources and competing critical work scope. Delays in bond zone load testing were due to inclement weather and radon issues in prior months.
 - Operations support for 324 structural modifications was delayed due to the impacts to the fieldwork discussed above.
 - Performing A-Cell crane repair and survey, completing A-06 validation and airlock interference removal scopes were not performed as a result of not completing required corrective action resumption training activities as planned due to lack of RCT and radiological engineering resources and competing critical work scope.
 - Due to funding reduction, the project directed the REC Crane/Bridge fabrication vendor to postpone procurements and fabrication until the beginning of FY2022.

- 100K Area:
 - Delays in trailer installation due to funding reduction in support of personnel relocations in and around the 105K West facility. A revised plan was developed to utilize existing trailers and implementation is in progress.
 - Delays to GFMR operations as the project worked to obtain approval of the JCO related to transportation safety requirements. The project has resolved all concerns and GFMR operations were initiated on May 20, 2021.

CTD Cost Variance: (+\$0.1M/+0.3%)

The CTD cost variance is within threshold.

Variance at Completion (VAC): (+\$2.6M/+2.7%)

The VAC is within threshold.

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	86.1	6.3
Numbers are rounded to the nearest \$0.1 million.			

Funds/Variance Analysis

The FY2021 variance of \$6.3 million reflects projected funding of \$92.5 million and a spending forecast of \$86.1 million. The spending forecast reflects the efficiencies and scope deferrals identified to align with the revised funding level incorporated last month.

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-21-010	165KE Demolition Acceleration	This baseline change request (BCR) incorporated the remaining 165K East Demolition work scope and closeout activities into the CPCCo performance measurement baseline (PMB). The previous contractor's original plan reflected demolition and load out of material initiating in FY2021 and completing in FY2022. However, additional equipment and resources are now available that will enable the project to complete all 165K East Demolition work scope in FY2021. This BCR increased the PMB by \$930.2K.
BCR-CPC-21-011	Replace KE ISS Haul Road Scope with KE ISS Earthwork Scope	This BCR replaced Pit 24 haul road scope needed to support 105K East Safe Storage Enclosure backfill operations with contract award, contractor mobilization and soil excavation for 105K East Interim Safe Storage. This scope replacement was approved by the RL Contracting Officer's Representative and documented in CPCC Correspondence Number 2102. This BCR increased the PMB by \$10.5K.
BCR-CPC-21-012	HPIC Updates May 2021	This administrative BCR incorporated May FY2021 Hanford Programs Integrated Control Module (HPIC) updates. This BCR did not change the Performance Measurement Baseline value.
Change to allocated (distributed) budget: The PMB increased \$940.7K in May. Change to management reserve: No change in May.		

OBJECTIVE PERFORMANCE MEASURES

105KW Fuel Storage Basin

Key Criteria	Completing garnet filter media removal and continuing basin debris characterization in preparation for basin dewatering.
Key Accomplishments	<ul style="list-style-type: none"> Completed garnet filter media retrieval preparations. Installed VPC base sections in the 105K West Basin.
Challenges Overcome	<ul style="list-style-type: none"> Process for shipping garnet filter media.
Innovations/Efficiencies Implemented	<ul style="list-style-type: none"> VPC installation being performed concurrently with GFMR operations. Eliminated material balance area/safeguards and security requirements. Added processing equipment and approaching the project from the south allowed work to progress much faster on 165KE.
Benefit to the Government	<ul style="list-style-type: none"> Segregation of high dose debris by placement into VPCs is a critical step to meeting removal action work plan requirements that will allow dewatering and grouting of the basin in preparation for demolition, and is the current critical path activity. Removal of garnet filter material and transport to T Plant is the last significant removal of high dose material from the structure to make it ready for demolition, and is also on the critical path.

324 Building/300-296 Waste Site

Key Criteria	Supports preparations for remediation of the 300-296 highly radioactive waste site, including building structural modifications.
Key Accomplishments	<ul style="list-style-type: none"> Completed Room 18 waste loadout. Continued Room 18 interference removal. Completed HRB process for drilling micropile holes/maintenance. Initiated Annual Stack and HEPA filter PMs: <ul style="list-style-type: none"> Completed 324 exhaust/supply fan repair and annual PM activities. Completed Zone I/II HEPA testing. Held cyclone separator senior management review. Held A Cell dam installation operations demonstration/senior management review. Began assembly of North Shoring trench box.
Challenges Overcome	<ul style="list-style-type: none"> Revised soil drum sampling activities to reduce risk and improve efficiencies.
Innovations/Efficiencies Implemented	<ul style="list-style-type: none"> Identified opportunity to re-sequence micropile installation to optimize schedule. Restructured project organization to recognize efficiencies in execution of work.
Benefit to the Government	<ul style="list-style-type: none"> Partnering with RL to evaluate the need for the readiness assessment for the B Cell work.

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/Comment
M-093-27-T01	Initiate Earthwork for the Construction of the 105-KE Safe Storage Enclosure	9/30/2021		9/13/2021	On Schedule
M-016-85A	Complete Remote Excavation of 300-296 Waste Site	9/30/2021		6/16/2025	At Risk
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 Prepare the 324 Facility Documented Safety Analysis (DSA)/ Technical Safety Requirement (TSR) Revision SER	3/4/2021(A)	3/30/2021(A)
RL Approval of JCO	4/10/2021(A)	5/1/2021(A)
RL Review/Comment – Fire Hazards Analysis (FHA)	5/10/2021(A)	5/24/2021
RL Issue SER for 324 DSA/TSR	3/31/2021(A)	5/25/2021

Section F

Fast Flux Test Facility Closure (RL-0042)

May 2021

CPCC-2021-05, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

The Central Plateau Risk Mitigation (CPRM) project team completed the design and engineering documents for the argon conversion at the Fast Flux Test Facility (FFTF) from liquid argon to pressurized gas cylinders. This system change will enhance the reliability of the argon system, result in cost savings and make the system easier to manage. The project team also successfully completed a fitment test for the P-16 Pump and validated that all parts have been obtained in order to put the P-16 Pump back in service.

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	0.2	0.2	0.2	0.0	21.6%	(0.0)	-3.2%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Variance: (+\$0.0M/+21.6%)

The CM schedule variance is within threshold.

CM Cost Variance: (-\$0.0M/-3.2%)

The CM cost variance is within threshold.

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	0.9	1.0	1.2	0.2	18.9%	(0.2)	-20.0%	2.4	2.4	1.2	(0.0)

Numbers are rounded to the nearest \$0.1 million.

CTD Schedule Variance: (+\$0.2M/+18.9%)

The CTD schedule variance is within threshold.

CTD Cost Variance: (-\$0.2M/-20.0%)

The CTD cost variance is within threshold.

Variance at Completion (VAC): (+\$0.0M/-1.4%)

The variance at completion is within threshold.

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-21-009	Remove FFTF Planning Package from PMB	This baseline change request removed planning package activity 042.01.08.01.010, <i>FY21 FFTF Compliance Upgrades Water System</i> . This was budgeted as a placeholder pending the recommendations from the U.S. Department of Energy, Richland Operations Office (RL) following an engineering evaluation. Agreement with the recommendations provided and direction to proceed has not been received from RL to perform this scope; therefore, it has been determined that the scope related to this planning package will not be performed this fiscal year.
Change to allocated (distributed) budget: Decreased the PMB by \$45.0K. Change to management reserve: No change in May.		

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 Review Draft 400 Area Action Memorandum	8/16/2021	9/13/2021

Section G B Reactor (RL-0201)

May 2021

CPCC-2021-05, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

B Reactor/Manhattan Project National Historical Park projects performed general housekeeping and maintenance activities at B Reactor, White Bluffs Bank and train cars. The project cleaned the stairway Radiological Buffer Areas (RBAs), and inspected and repaired stair treads; filled wall penetration of the X1 Contamination Area (CA); cleaned and lubricated sliding door track; inspected B Reactor laydown yard and building for out-of-compliance issues; inspected pre-war areas for wind damage; removed tumbleweeds and trimmed vegetation around B Reactor, Bruggemann's Warehouse, Allard Pump House and Hanford High School; performed walkdowns and staged materials at White Bluffs Bank for upcoming repairs and maintenance; and prepared to dismantle fire ring and door shelter at Bruggemann's Warehouse.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

SAFETY PERFORMANCE

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

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

MAJOR ISSUES

None currently identified.

KEY RISKS

None currently identified.

SUBCONTRACTED WORK

Refer to the Overview for Subcontracted Work metric.

PROJECT BASELINE PERFORMANCE

Current Month (CM)

RL-0021	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.1	0.1	0.1	0.0	0.0%	0.0	24.2%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Variance: (+\$0.0M/+0.0%)

The CM schedule variance is within threshold.

CM Cost Variance: (+\$0.0M/+24.2%)

The CM cost variance is within threshold.

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	0.4	0.4	0.6	0.0	0.0%	(0.2)	-42.8%	0.9	1.6	1.0	(0.7)

Numbers are rounded to the nearest \$0.1 million.

CTD Schedule Variance: (+\$0.0M/+0.0%)

The CTD schedule variance is within threshold.

CTD Cost Variance: (-\$0.2M/-42.8%)

The CTD cost variance is within threshold.

Variance at Completion (VAC): (-\$0.7M/-81.2%)

The VAC is within threshold.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST

RL-0021	Projected Funding	Spending Forecast	Variance
B Reactor	2.1	1.6	0.5
Numbers are rounded to the nearest \$0.1 million.			

Funds/Variance Analysis

The fiscal year (FY) 2021 variance of \$0.5 million reflects projected funding of \$2.1 million and a spending forecast of \$1.6 million. It is anticipated that 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
BCR-CPC-21-012	HPIC Updates May 2021	This administrative baseline change request (BCR) incorporated May 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 May. Change to management reserve: No change in May.		

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
Submit proposed plan for resumption of tours at B Reactor and the Pre-Manhattan facilities.	6/10/2021	

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

May 2021

CPCC-2021-05, Revision 0

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

CONTRACT PERFORMANCE REPORT

FORMAT 1 - WORK BREAKDOWN STRUCTURE

DOLLARS IN Thousands of \$

8. PERFORMANCE DATA									
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9. RECONCILIATION TO CONTRACT BUDGET BASELINE						
a. VARIANCE ADJUSTMENT						
b. TOTAL CONTRACT VARIANCE		-37,666	-37,253		540,508	572,228
						-31,720

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 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 / 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 <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 ADJUSTMENTS			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)			
C0 - CPCCo Program Manager	0	0	0	0	0	0	0	9	0	-9	0	0	0	0	9	-9
C1 - End States Strategy & Integ	757	755	733	-2	22	3,184	3,177	2,736	-7	442	0	0	0	6,662	6,427	235
C2 - Inner Area End States	10,403	10,918	10,412	515	506	169,021	147,969	189,228	-21,052	-41,260	0	0	0	221,839	267,587	-45,748
C3 - Outer Area End States	9,885	9,039	8,349	-845	690	38,626	34,551	34,461	-4,075	89	0	0	0	80,867	78,681	2,186
C4 - Waste Projects & Operations	8,568	7,898	7,172	-669	726	36,247	33,768	31,634	-2,480	2,133	0	0	0	77,455	72,578	4,877
C5 - Soil & Groundwater Operations	4,636	4,582	3,762	-54	821	19,909	17,914	15,751	-1,994	2,163	0	0	0	43,901	41,040	2,860
C6 - Regulatory Strategy & Integr	2,822	2,113	-22	-708	2,136	13,282	10,749	7,391	-2,533	3,359	0	0	0	25,935	24,163	1,771
Resp Org Not Assigned	88	26	25	-62	1	352	127	89	-225	38	0	0	0	676	689	-13
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	6,131	5,820	4,978	-311	842	47,716	42,417	46,625	-5,298	-4,208	0	0	0	76,873	81,054	-4,181
d. UNDISTRIBUTED BUDGET														0	0	0
e. SUBTOTAL (Performance Measurement Baseline)	43,291	41,153	35,408	-2,138	5,745	328,337	290,672	327,925	-37,666	-37,253		0	0	534,206	572,228	-38,023
f. MANAGEMENT RESERVE														6,302		
g. TOTAL	43,291	41,153	35,408	-2,138	5,745	328,337	290,672	327,925	-37,666	-37,253	0	0	0	540,508		

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 \$169,920		e. CONTRACT BUDGET BASE (C + D) \$540,508		f. TOTAL ALLOCATED BUDGET \$540,508		g. DIFFERENCE (E - F) (\$0)						
h. CONTRACT START DATE 1/25/2021			i. DEFINITIZATION DATE 1/25/2021		j. PLANNED COMPL DATE 9/30/2021		k. CONT COMPLETION DATE 5/24/2021				l. EST COMPLETION DATE 9/30/2021								
6. PERFORMANCE DATA																			
ITEM (1)	BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	SIX MONTH FORECAST						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 Jun-21 (4)	+2 Jul-21 (5)	+3 Aug-21 (6)	+4 Sep-21 (7)	+5 Oct-21 (8)	+6 Nov-21 (9)											
a. PM BASELINE (BEGIN OF PERIOD)	285,047	43,265	41,988	55,127	46,206	61,677	0	0	6,090	29,182	19,407	628	66,598	7,519	403,896	0	0	0	533,310
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																			
BCR-CPC-21-009 - Remove FFTF Planning Package from PMB															(45)				(45)
BCR-CPC-21-010 - 16SKE Demolition Acceleration															930				930
BCR-CPC-21-011 - Replace KE ISS Haul Road Scope with KE ISS Earthwork Scope															11				11
BCR-CPC-21-012 - HPIC Updates May 2021															0				0
c. PM BASELINE (END OF PERIOD)	328,337	43,291	42,003	56,090	46,097	61,677	0	0	6,090	29,182	19,407	628	66,598	7,519	404,782	0	0	0	534,206
7. MANAGEMENT RESERVE																			6,302
8. TOTAL																			540,508

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**

Dollars in: FTE

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 / 04 / 26	
		c. TYPE IDIQ		d. SHARE RATIO		b. TO (YYYYMMDD)	
				c. EVMS ACCEPTANCE NO YES (YYYYMMDD) N/A		2021 / 05 / 23	

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 JUN-2021 (4)	+2 JUL-2021 (5)	+3 AUG-2021 (6)	+4 SEP-2021 (7)	+5 OCT-2021 (8)	+6 NOV-2021 (9)	DEC-2021 (10)	JAN-2022 (11)	FEB-2022 (12)	MAR-2022 (13)	ATCOMPLETE (14)		
C0 - CPCCo Program Manager	18	73	17	17	17	19	-	-	-	-	-	-	-	144	
C1 - End States Strategy & Integ	91	346	82	84	87	93	1	0	0	-	-	-	-	692	
C2 - Inner Area End States	449	6,772	533	547	533	600	188	146	130	84	41	47	27	9,647	
C3 - Outer Area End States	322	1,244	338	335	337	333	7	3	0	-	-	-	-	2,598	
C4 - Waste Projects & Operations	354	1,419	365	362	356	349	32	35	33	21	13	0	23	3,008	
C5 - Soil & Groundwater Operations	161	679	178	171	168	156	9	8	5	3	3	3	7	1,388	
C6 - Regulatory Strategy & Integr	70	268	89	86	83	77	31	29	21	11	3	0	-	700	
C7 - ESH&Q	68	286	72	73	74	74	4	5	4	5	4	1	0	603	
C8 - Chief Engineer	37	149	45	46	50	50	-	-	-	-	-	-	-	339	
C9 - Business Services	83	320	81	87	93	95	-	-	-	-	-	-	-	677	
g. TOTAL DIRECT	1,652	11,556	1,801	1,807	1,798	1,847	272	225	194	124	64	52	57	19,797	

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) 2021/04/26	
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER 89303921FEM400029			b. PHASE			b. TO (YYYYMMDD)	
		c. TYPE IDIQ	d. SHARE RATIO		c. EVMS ACCEPTANCE N/A NO YES			2021/05/23	
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	43,291	41,153	35,408	(2,138)	-4.9%	5,745	14.0%	0.95	1.16
Cumulative:	328,337	290,672	327,925	(37,666)	-11.5%	(37,253)	-12.8%	0.89	0.89
	BAC	EAC	VAC in \$	VAC in %	TCPI				
At Complete:	534,206	572,228	(38,023)	-7.1%	1.00				
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule and Cost Variance:</p> <p>The current month (CM) schedule variance is within thresholds.</p> <p>The CM positive cost variance is primarily due to efficiencies, lower than planned well drilling subcontract costs resulting from lower than planned contract values and some over accrual reversal at S&GR. Notably, W-135 Management of Cesium and Strontium Capsules (MCSC) Project also experienced a large positive cost variance due to Nuclear Assurance Corporation (NAC) accrual reversals in May. These subcontract costs were over accrued in April.</p> <p>Cumulative Cost Variance: The variance is within reporting thresholds.</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 -\$38.0 million is projected. This is primarily due to the PFP capital asset performance data being carried from CHPRC. For May, the project was 4.9 percent behind schedule and 14.0 percent below planned cost. Contract to date, the project was 11.5 percent behind schedule and 12.8 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 May.</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	\$169,919.8
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	\$169,919.8
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
N/A	N/A	N/A	2021	N/A

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

Prepared by:	Date:	Approved by:	Date:
Project Controls Staff	6/8/2021		

Appendix B

Capital Asset Project

RL-0011.C2 - Demolition of PFP Facilities

May 2021

CPCC-2021-05, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

The Plutonium Finishing Plant (PFP) Closure Project team began loadout of the 236-Z debris pile on May 4, 2021, and a total of 41 roll-on/roll-off (RO/RO) containers were loaded with Plutonium Reclamation Facility (PRF) debris. The 19 IP-2 bags of previously loaded PRF waste and 6 legacy RO/RO cans were dispositioned and loaded into Environmental Restoration Disposal Facility (ERDF) containers as well. A total of 92 RO/RO containers containing 236-Z and ancillary debris were shipped for disposal to ERDF in the month of May. Work continues on the work planning and mockup for the 236-Z and 242-Z Slab Characterization scope is forecasted for completion in July 2021.

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

Critical Path Analysis

The PFP critical path schedule begins with the completion of PRF loadout, which is forecast to occur by July 20, 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 September 30, 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		9/30/2021	Work resumption was planned in the revised DOE O 413.3B, Program and Project Management for the Acquisition of Capital Assets, 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 equipment maintenance, additional refresher training and planning needed to resume demolition activities.
*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

May 2021

CPCC-2021-05, 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 / 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 NO X YES (YYYYMMDD) 2009 / 09 / 18										
5. CONTRACT DATA																	
a. QUANTITY 1		b. NEGOTIATED COST 150,986		c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0		d. TARGET PROFIT/FEE 0		e. TARGET PRICE 150,986		f. ESTIMATED PRICE 198,073		g. CONTRACT CEILING 150,986		h. ESTIMATED CONTRACT CEILING 198,073		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									
								a. NAME (Last, First, Middle Initial) Downing, Katie				b. TITLE Prime Contract Manager					
a. BEST CASE		191,771						c. SIGNATURE				d. DATE SIGNED (YYYYMMDD)					
b. WORST CASE		198,141															
c. MOST LIKELY		198,073		150,986		-47,088											
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)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)			
RL-0011 Nuclear Mat Stab & Disp PFP																	
11.05 Disposition PFP Facility		0	2,332	2,705	2,332	-373	122,979	113,197	154,493	-9,782	-41,296	0	0	0	122,979	164,432	-41,453
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	375	446	375	-71	21,704	20,133	25,699	-1,572	-5,567	0	0	0	21,704	27,339	-5,635
d. UNDISTRIBUTED BUDGET															0	0	0
e. SUBTOTAL		0	2,707	3,151	2,707	-444	144,683	133,330	180,192	-11,354	-46,862	0	0	0	144,683	191,771	-47,088
f. MANAGEMENT RESERVE															6,302		
g. TOTAL		0	2,707	3,151	2,707	-444	144,683	133,330	180,192	-11,354	-46,862	0	0	0	150,986		
9. RECONCILIATION TO CONTRACT BUDGET BASELINE																	
a. VARIANCE ADJUSTMENT																	
b. TOTAL CONTRACT VARIANCE															150,986	191,771	-40,785

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 / 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 <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	2,332	2,705	2,332	-373	122,979	113,197	154,493	-9,782	-41,296	0	0	0	122,979	164,432	-41,453
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	375	446	375	-71	21,704	20,133	25,699	-1,572	-5,567	0	0	0	21,704	27,339	-5,635
d. UNDISTRIBUTED BUDGET														0	0	0	
e. SUBTOTAL (Performance Measurement Baseline)		0	2,707	3,151	2,707	-444	144,683	133,330	180,192	-11,354	-46,862	0	0	0	144,683	191,771	-47,088
f. MANAGEMENT RESERVE														6,302			
g. TOTAL		0	2,707	3,151	2,707	-444	144,683	133,330	180,192	-11,354	-46,862	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: 2021/04/26									
b. LOCATION: Richland, WA			b. NUMBER: 89303921FEM400029				b. PHASE				b. TO: 2021/05/23									
			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			i. DEFINITIZATION DATE		j. PLANNED COMPL DATE		k. CONT COMPLETION DATE		l. EST COMPLETION DATE											
1/25/2021			1/25/2021		9/30/2021		5/24/2021		9/30/2021											
6. PERFORMANCE DATA																				
ITEM	BCWS CUM TO DATE	BCWS FOR REPORT PERIOD	SIX MONTH FORECAST						BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)										UNDISTRIB BUDGET	TOTAL BUDGET
			+1	+2	+3	+4	+5	+6	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
a. PM BASELINE (BEGIN OF PERIOD)	144,683	7	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		
Dollars in: FTE															
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 <input type="checkbox"/> NO <input type="checkbox"/> YES (YYYYMMDD) N/A							
5. PERFORMANCE DATA															
WBS.Resp Org Group		ACTUAL CURRENT PERIOD	ACTUAL END OF CURRENT PERIOD (Cumulative)	FORECAST (Non-Cumulative)								AT COMPLETION (15)			
ORGANIZATIONAL CATEGORY (1)		ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (3)	SIX MONTH FORECAST BY MONTH (Enter names of months)					ENTER SPECIFIED PERIODS						
				+1 JUN-2021 (4)	+2 JUL-2021 (5)	+3 AUG-2021 (6)	+4 SEP-2021 (7)	+5 OCT-2021 (8)	+6 NOV-2021 (9)	DEC-2021 (10)	JAN-2022 (11)			FEB-2022 (12)	MAR-2022 (13)
C2 - Inner Area End States		148	5,375	126	119	84	74	-	-	-	-	0	0	0	5,778
g. TOTAL DIRECT		148	5,375	126	119	84	74	-	-	-	-	-	-	-	5,778

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 / 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 No Yes (YYYYMMDD) N/A						
Direct Projects										
5. Evaluation		Budget	Earned	Actuals	SV in \$	SV in %	CV in \$	CV in %	SPI	CPI
Current:		0.0	2,706.8	3,150.9	2,706.8	0	-444.1	-16.4%	0	0.86
Cumulative:		144,683.3	133,329.6	180,191.7	-11,353.7	-7.8%	-46,862.1	-35.1%	0.92	0.74
		BAC	EAC	VAC in \$	VAC in %	TCPI to BAC	TCPI to EAC			
At Complete:		144,683.3	191,770.9	-47,087.6	-32.5%	0	0.98			
Explanation of Variance/Description of Problem:										
<p>Current Month Schedule Variance:</p> <p>The positive CM schedule variance is due to the resumption of behind schedule PFP demolition activities. Demolition was scheduled to resume on October 1, 2020; however, due to delays related to the coronavirus pandemic, demolition resumption did not begin until April 6, 2021. All BCWS for the Capital Asset Project 2 (CAP2) project is historical; therefore, all future performance will result in a positive current period schedule variance.</p> <p>Current Month Cost Variance:</p> <p>The negative CM cost variance is within threshold.</p> <p>Cumulative to Date Schedule Variance:</p> <p>The negative cumulative schedule variance is due to delayed demolition activities at PFP. The Plutonium Reclamation Facility (PRF) load out was scheduled to resume in October 2020, however, due to the coronavirus pandemic, reliability of PPE was uncertain so resumption of demolition activities was delayed. Resumed demolition activities in February 2021 included completing the demolition and loadout of ancillary PFP structures, including MO605 and six laundry Conex containers. Heavy equipment maintenance and site set up activities also began in the high contamination area in preparation for PRF demolition. Demolition/Loadout of PRF debris resumed in April with a final project completion date scheduled for September 30, 2021.</p> <p>Cumulative to Date Cost Variance:</p> <p>The cumulative negative cost variance is associated with MSA resources arriving to support PFP demolition that were planned as P/Q shift support. Additionally, Readiness Assessment activities lagged due to a delay in the start of 236-Z Demolition and increased requirements to show readiness resulting in increased costs due to additional time and effort required from subcontracted and direct labor resources. The apportioned project management activities (i.e. project oversight and planning) and support activities are ongoing, while a delay in the discrete field work is resulting in minimal apportioned BCWP. Demolition mobilization activities took longer than originally assumed because of recommendations made during the readiness assessment and purchasing unplanned PBS fixative to support 236-Z demolition. In addition, significant winter weather impacts (i.e., snow, wind, freezing rain, etc.) have been recognized on the Hanford Site. Site closures, freezing temperatures and significant snowfall that required clearing of the demolition zone rather than performing physical demolition on the facilities while a constant staff provides demolition support services is a contributing factor. Unplanned Management Assessment efforts for the 234-SZ and 291-Z facilities took longer than originally assumed. Impacts associated with the Stop Work that was initiated by the HAMTC union leadership on November 11, 2017 "associated with concerns over events both inside and outside of the facility." The main issue involved employee proximity to radiological boundary areas during demolition. Radiological boundaries were reconfigured and impacted employees were relocated. As the project gets further into the demolition phase of the PRF Canyon, increased utilization of Personnel Protective Equipment to align with the original plan as well as increased material procurements to align with the scope being performed (i.e., P-100 filters, Labounty Shear, additional fixative, etc.) are also contributing to this variance. An adjustment to the General & Administrative (G&A) Rate for FY2017 resulted in a reduction to the Performance Measurement Baseline (PMB) of \$463K. Finally, impacts from a contamination event that occurred on Friday, December 15, 2017, swing shift where RadCon personnel performing routine surveys following the day shift demolition activities discovered low level contamination on a cookie sheet. This led to a wider search, and a "speck" of contamination was smeared from a government vehicle. A CHPRC management stop work on demolition activities was declared and a critique held to discuss the contamination spread, possible causes, and path forward. A root cause analysis was conducted and resumption actions identified.</p> <p>This is partially offset by recognized efficiencies associated with the removal of the 18 sections of the PRF gallery gloveboxes, progress on demolition of 236-Z, demolition of the 2727-Z and 2729-Z facilities, the 242-ZA and 242-Z facilities, the 291-Z facility, 291-Z stack, 234-SZA, 252-Z1, 2503-Z, 2735Z, 2734ZA, ZB, ZC, ZD, and ZL facilities.</p>										
Impact:										
<p>Schedule Impact: Completion of all demolition activities followed by site stabilization and demobilization, turnover to surveillance and maintenance, and project closeout activities forecast to occur in September 2021. The TPA Milestone TPA-083-00A, complete PFP facility transition and selected disposition activities of November 30, 2017, was not met.</p> <p>Cost Impact: A negative VAC is reflective of impacts associated with recovery efforts from a contamination event that occurred on December 15, 2017.</p>										
Corrective Action:										
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):										
<p>There was no change in the difference between the Contract Budget Base and the Total Allocated Budget on Format 3 for the month of May.</p> <p>The following items are addressed, as applicable:</p> <ol style="list-style-type: none"> Schedule Margin Analysis: No drawdowns of schedule margin were made in the month of May. Data dictionary Changes: No change in the month of May. Forecast Schedule with No Baseline: No change in the month of May. UB Balance: No change in the month of May. Negative Actual Cost of Work Performed (ACWP): No change in the month of May. Earned Actual Cost (EAC) Analysis: Best Case = \$191,771; Most Likely = \$198,073; Worst Case = \$198,141. The Best Case EAC is the EAC reported this month, which assumes all efficiencies gained contract to-date will remain at completion with no realization of remaining risks. The Most Likely EAC is the ACWP plus what management believes is the most likely outcome based on a knowledgeable estimate of all authorized work, known risks, unknown risks, and probable future conditions. The Worst Case EAC is the ACWP plus the ETC plus realization of all identified risks, plus the scope identified in the Trend Log. The Best/Worst and Most Likely EAC values are documented in the Format 1 Report. Negative CV > VAC: No change in the month of May. Management Reserve Transactions: No management reserve transactions were made in the month of May. Freeze Period Changes: No change in the month of May. Retroactive Changes: No change in the month of May. Earned Value Type Changes: No change in the month of May. 										
Prepared by: Eric Denton		Date: 6/3/2021		Approved by:				Date:		

Appendix C

Contract Funds Status Report

May 2021

CPCC-2021-05, 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 2021/03/22 - 2021/04/25		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 2021/04/26 - 2021/05/23		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	9.6	23.3		23.3		0.7	0.7	24.0		24.0
RL-0013C		98.1	59.1	136.2		136.2		-3.9	-3.9	132.4		132.4
RL-0030		59.0	32.4	78.9		78.9		-2.2	-2.2	76.7		76.7
RL-0201		1.2	0.6	0.8		0.8		0.7	0.7	1.6		1.6
RL-0040		41.0	24.1	64.0		64.0		-7.2	-7.2	56.7		56.7
RL-0041		64.0	40.9	91.4		91.4		-5.3	-5.3	86.1		86.1
RL-0042		1.7	1.2	2.3		2.3		0.0	0.0	2.4		2.4
Total		282.1	168.0	397.1		397.1		-17.1	-17.1	380.0		380.0

12. CONTRACT WORK AUTHORIZED (With Fee/Profit) - ACTUAL OR PROJECTED										
	ACTUAL TO DATE	PROJECTED								AT COMPLETION
a. OPEN COMMITMENTS										
b. ACCRUED EXPENDITURES	168.0	212.0								380.0
c. TOTAL (12a + 12b)	168.0	212.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	380.0
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