CPCC-2021-02
Revision 0

Monthly Performance Report

February 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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CPCCo
Central Plateau Cleanup Company
An Amentum, Fluor, Atkins LLC

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

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OVERALL KEY PROJECT ACCOMPLISHMENTS

Central Plateau Cleanup Company (CPCCo) successfully transitioned from CH2M HILL Plateau Remediation Company (CHPRC) on January 24, 2021, to CPCCo on January 25, 2021. CPCCo advanced cleanup throughout the Hanford Site during the February 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) 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 incumbent's performance measurement baseline until those subsequent task orders are issued. This is the first Monthly Performance Report issued by CPCCo in accordance with Central Plateau Cleanup Contract requirements, Section C.6.2.1, "Monthly Performance Report."

Key accomplishments:

Core Functions: CPCCo partnered in End State Contracting with DOE in the development of proposed follow on task order statements of work (SOWs), which will serve as an input into the generation and issuance of Requests for Task Proposals and DOE-Headquarters Business Clearance cycles. SOWs capture key completion criteria and bounding assumptions and exclusions following partnering development sessions with the Richland Operations Office (RL) staff. In conjunction with providing these SOWs, an overview of how these task orders fit into the larger strategy for regulator engagement and lifecycle optimization was shared with DOE stakeholders. The Business Assurance organization was established at contract start with the key objectives of partnering with business system and business process owners in identifying and implementing new effective operational internal objectives and controls.

RL-0011 - Plutonium Finishing Plant (PFP): The PFP Closure Project team completed the demolition and loadout of ancillary PFP structures, including MO605 and six laundry Conex containers. Heavy equipment maintenance and site set up activities began in the high contamination area (HCA) in preparation for 236-Z demolition resumption in April.

RL-0013 – Solid Waste Stabilization and Disposition: The W-135 Management of Cesium and Strontium Capsules (MCSC) Project completed construction acceptance testing of the Capsule Storage Area (CSA) electrical system and tie-in of the Temperature Monitor System at the Canister Storage Building. The project awarded a construction contract on February 8, 2021, for modifications in the Waste Encapsulation Storage Facility (WESF) to support capsule transfer. The Central Waste Complex (CWC) submitted the Emergency Planning Hazards Assessment to the U.S. Department of Energy (DOE), Richland Operations Office (RL) for review as part of actions to implement the RL-approved Evaluation of Safety of the Situation (ESS) for Operational Awareness for CWC. At WESF, the crews conducted nondestructive examination, wall scans three-dimensional imaging and changed the G Cell inlet canyon filter in preparation for W-135 Facility Modification activities. Four shipments of four low-level waste boxes were received into mixed waste Trenches 31 and 34 from Perma-Fix Northwest. Five containers were shipped from T Plant to the Environmental Restoration Disposal Facility (ERDF). ERDF received 4,465 tons of waste for disposal. Preparation of 26 sacrificial roll-on/roll-off containers to be used for Plutonium Reclamation Facility waste was completed. The first 11 containers were delivered on February 18, 2021. The Integrated Disposal Facility (IDF) operations and maintenance completed monthly inspections and two significant storm event inspections. The IDF operational readiness construction efforts completed the security fencing during this period. The request to RL was transmitted for a temporary authorization to construct the waste treatment and storage pads.

RL-0030 – Soil and Groundwater Remediation: Soil & Groundwater Operations continued progress on decision documents, routine sampling analysis, well drilling and pump and treat operations.

RL-40 – Nuclear Facility D&D, Remainder of Hanford: Central Plateau Risk Management (CPRM) Surveillance and Maintenance completed the 200 East Area tri-annual/annual surveillance and cleanup and waste packaging of identified white powder accumulations in the Plutonium Uranium Extraction Plant white room. The Aging Structures team completed field demobilization of stabilization equipment for the 216-Z-9 and 216-Z-2 Cribs. At the Reduction-Oxidation (REDOX) facility, crews completed anchoring the control panel and one of the three exhauster units to support REDOX's temporary ventilation system. Crews at the 224B Facility completed construction of the high-efficiency particulate air filter box for the 224B third floor ventilation exterior exhaust, as well as the Class 1 asbestos removal on the third floor. The West Area Remediation Project (WARP) team initiated characterization activities at 231Z and hazardous material removal from ZP-1.

RL-0041 – Nuclear Facility D&D, River Corridor Closure Project: The 166K East structure demolition and debris loadout was completed. Demolition of 165K East commenced with removal of the adjacent 167K East cross tie tunnel. Completed fabrication of the sample station counting cart at the Maintenance and Storage Facility (MASF) to support nondestructive assays of 105K West samples and started conducting floor sampling tests using the new sample cart. The Soil Remediation team began processing (shearing and size reducing) the 60-inch diameter raw water pipes and a concrete duct bank that runs through the 100-K-55:2, 100-K-56:3 and 100-K-96 waste site combined excavation. In February, 267 feet of steel pipeline was processed. The team loaded out 127 ERDF containers of contaminated soil and processed materials, and stockpiled 9,803 tons of overburden material. The 300-296 Project initiated general contamination area/HCA/airborne radiation areas construction activities. Completed construction activities included the following: the cell grouting bulkhead installation, installation of additional cameras in the C Gallery and airlock doffing areas, mechanical interference removal for a future pass-through plate and measurement of the airlock tracks for a future modification. All 20 corrective actions for the 324 Facility Contamination Event Phase 1 have been completed and four of eight Phase 2 corrective actions have been completed.

RL-0042 – Fast Flux Test Facility (FFTF): Workers erected work platforms alongside two 300,000-gallon water tanks in Hanford Site's 400 Area in preparation for an upcoming inspection. The tanks provide potable and fire water storage to facilities near MASF and the decommissioned FFTF. Installation of the platforms address lessons learned from a previous inspection. The stairs provide easier access, while the larger work platform allow workers more mobility and flexibility for fall protection, reducing the need for Hanford Mission Integration Solutions, LLC crane and rigging support for future inspections and surveillances.

RL-0201 – B Reactor: B Reactor/Manhattan Project National Historical Park oversight successfully began planning for resumption of improvements and public access via the B Reactor Tour Program activities in support of mission requirements. Maintained general housekeeping at B Reactor and White Bluffs Bank, performed snow removal, trash cleanup, began to repair a room damaged during 2019 flooding and planning for Cultural and Ecological reviews.

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	Project Funding	Spending Forecast	Variance
RL-0011	Nuclear Materials Stabilization and Disposition	20.0	20.1	(0.1)
RL-0013	Solid Waste Stabilization and Disposition	138.9	138.1	0.8
RL-0013	W-135 WESF Mods 18-D404	27.5	12.4	15.1
RL-0030	Soil, Groundwater and Vadose Zone Remediation	91.3	88.9	2.4
RL-0201	B Reactor	8.1	1.4	6.7
RL-0040	Nuclear Facility D&D, Remainder of Hanford	61.4	64.2	(2.8)
RL-0041	Nuclear Facility D&D, River Corridor	98.0	91.7	6.3
RL-0042	Fast Flux Test Facility Closure	3.4	2.6	0.8
	Total Fiscal Year Spending Forecast	**448.6**	**419.4**	**29.2**

Values are rounded to the nearest $0.1 million.

Funds/Variance Analysis:

FY2021 projected funding of $448.6 million includes projected uncosted funding from CHPRC of $7.1 million and new budget authority of $441.5 million as provided by RL. The spending forecast of $419.4 million leaves a variance of $29.2 million. Project breakdown structure (PBS) RL-0040 and PBS RL-0041 variances net positive overall for the River Corridor control point.

SCOPE, SCHEDULE AND COST VARIANCE

	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	2.2	0.5	1.1	(1.7)	(0.6)	144.7	129.1	173.5	(15.6)	(44.4)	149.0	192.6	(43.5)
RL-0013 - Solid Waste Stab & Disposition	13.7	11.9	11.0	(1.8)	1.0	13.7	11.9	11.0	(1.8)	1.0	140.5	139.8	0.7
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	8.8	7.2	5.8	(1.6)	1.4	8.8	7.2	5.8	(1.6)	1.4	81.4	81.3	0.0
RL-0040 - Nuc Fac D&D - Remainder	8.5	7.0	6.6	(1.4)	0.5	8.5	7.0	6.6	(1.4)	0.5	65.9	67.6	(1.7)
RL-0041 - Nuc Fac D&D - RC Closure Project	9.0	8.5	7.9	(0.5)	0.6	9.0	8.5	7.9	(0.5)	0.6	90.9	90.9	(0.0)
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.4	0.0	(0.2)	0.2	0.2	0.4	0.0	(0.2)	2.4	2.7	(0.2)
RL-0201 - Hanford Site-Wide Services	0.1	0.1	0.1	-	(0.0)	0.1	0.1	0.1	-	(0.0)	0.9	1.4	(0.5)
Total	42.5	35.5	32.8	(7.0)	2.7	185.0	164.1	205.2	(20.9)	(41.1)	531.1	576.3	(45.2)

Values are rounded to the nearest $0.1 million
RL-0011 includes RL-011.C2-CAP from CHPRC (BCWS = 142.5, BCWP = 128.6, and ACWP = 172.4)

Currently, a variance at completion of -$45.2 million is projected. This is primarily due to the PFP capital asset performance data being carried from CHPRC. For February, the project was 16.5 percent behind schedule and 7.5 percent under planned cost. The contract to date performance data is different than the current period due to the PFP capital asset project.

The current month (CM) negative schedule variance is made up of several large drivers, including the impact of weather conditions. At PFP, resumption activities began but demolition planned for the CM is not anticipated until April. At the W-135 Management of Cesium and Strontium Capsules project, the CSA construction was

delayed due to conditions found during excavation. At CPRM/WARP, the demolition of the South Trailer Village was delayed due to a mechanical failure of the heavy equipment. Finally, at Soil and Groundwater Operations, geological conditions and mechanical issues have delayed well drilling.

The CM positive cost variance is primarily due to lower labor costs resulting from attrition and vacancies. At Soil and Groundwater Operations, costs were lower than planned due to operational efficiencies, usage based services and road maintenance. Additionally, IDF understated an accrual which will be corrected in the next reporting period. The positive cost variance was partially offset by unplanned activities at PFP in preparation for demolition resumption.

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.

Reporting Category	Award Value	% of Total	Goal $	Goal %
SB	19.3	66.4%	35.5	60.0%
VOSB	0.9	3.2%	1.1	3.0%
SDVO	0.9	3.0%	1.1	3.0%
HUB	1.9	6.5%	1.1	3.0%
SDB	11.6	40.0%	1.8	5.0%
SWOB	1.0	3.3%	1.8	5.0%
Total	**29.08**	**100%**		

Master Small Business Subcontracting Plan ≥ 18%	
Cumulative Contract Cost	187.5
Small Business Cumulative Goal	18%
Total Goal	33.75
Small Business Cumulative Performance	19.3

Values are rounded to the nearest $0.1 million

Notes:

- The goal dollars contained in the chart above represent the total goal at completion of the Task Order as contained in Attachment J.6 of the Task Order Release. Sixty percent of all subcontracted dollars are to go to small businesses on a cumulative basis.
- The chart shows CPCCo awards to date have met or exceeded the percentage of awards 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.
- The master small business subcontracting plan includes a requirement that 18 percent of the total contract cost be awarded to small business. With the issuance of Task Order 2, the total cost available for work performance is included in the table and represents both the task order amount and the cumulative amount.
- While CPCCo has not yet reached the goal, the previous chart indicates a positive trend that is expected to continue as work is subcontracted to support the task order.

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 quality, safety or issues have emerged or persisted during February. There were no recordable or lost time injuries during February.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

Contract Section	GFS/I	Status
J.11 GF0001/ C.6.3.15.2, *Real Property Asset Management*	Guidance and implementing direction for real property data related to operations and maintenance.	Annually
J.11 GF0002/ C.6.3.15.2, *Real Property Asset Management*	DOE-Headquarters will provide guidance on the Facilities Information Management System data validation.	Annually
J.11 GF0003/ C.6.3.16, *Closure and Post-Cleanup Surveillance and Maintenance*	DOE will furnish one of the independent experts for the closure review(s).	As required
J.11 GF0004/ C.5.1, *Modeling and Risk Assessments*	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, *Environmental Compliance*	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, *DOE-H-2063, Confidentiality of Information (Oct 2014)*	Documents furnished by the government to the contractor may contain Unclassified Controlled Nuclear Information as determined pursuant to Section 148 of the *Atomic Energy Act of 1954*.	As required

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

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SIGNIFICANT ACCOMPLISHMENTS

In February, the Plutonium Finishing Plant (PFP) Closure Project team performed the required surveillance and maintenance (S&M) activities in addition to completing the demolition and loadout of ancillary PFP structures, including MO605 and six laundry Conex containers. Heavy equipment maintenance and site set up activities began in the high contamination area in preparation for 236-Z demolition resumption in April. As required by DOE Order 413.3B, Program and Project Management for the Acquisition of Capital Assets, capital requirements determine scope, cost, and schedule baseline must be preserved to ensure proper reporting. The RL-0011.C2 project, from the previous contractor's Performance Measurement Baseline (PMB), has been incorporated into the CPCCo PMB, which includes budgeted cost of work scheduled in the amount of $144,683.3K.

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	2/17/2021: Employee was walking on a plowed but slick walk and slipped. Employee fell on the left knee. Employee returned to work with no restrictions. (40014) 2/23/2021: While exiting a vehicle, employee rubbed a knee across a dash handle. Abrasion was not found until the employee got home. Reported late; no restrictions. (40018)
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 a 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 a risk trigger date with foreseeable impacts. Recovery action needed.	↓	Decreased Confidence	

	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0011				
Explanation of major changes to the project monthly stoplight chart: This is the first reporting month of the Central Plateau Cleanup Company (CPCCo) contract. There are no major changes to the stoplight chart.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks identified in February.				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed.)				
No critical risks identified in February.				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
RL11 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. **Mitigation Action(s)** / **FC Date** / **%**: Monitor and maintain adequate staffing levels to completed planned work scope. / Ongoing / N/A **Mitigation Assessment**: No major changes in February. 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.
RL11 PFP-00011-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. **Mitigation Action(s)** / **FC Date** / **%**: Monitor and maintain adequate staffing levels to completed planned work scope. / Ongoing / N/A **Mitigation Assessment**: No major changes in February. 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.
FY2021 Key Risks				
No key risks identified in February.				
Unassigned Risks (Pending ownership of identified threats/opportunities)				
No unassigned risks identified in February.				

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	2.2	0.5	1.1	(1.7)	-76.5%	(0.6)	-109.9%

Numbers are rounded to the nearest $0.1 million.
RL-0011 includes RL-011.C2-CAP from the PRC (ACWP = -0.0)

CM Schedule Variance: (-$1.7M/-76.5%)

The negative CM schedule variance is due to delayed resumption preparations. Demolition was planned for February but resumption planning and field activities needed in preparation for restarting demolition on April 4, 2021, did not commence until February. It is anticipated that once demolition begins, schedule recovery will resolve itself.

CM Cost Variance: (-$0.6M/-109.9%)

The negative CM cost variance is due to the unplanned demolition resumption planning and field activities in preparation for restarting demolition on April 4, 2021. In February, mechanics began servicing the heavy equipment, and additional project resources have begun prepping the PFP site for this resumption. These are one-time costs that will not be recovered.

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	144.7	129.1	173.5	(15.6)	-10.7%	(44.4)	-34.4%	149.0	192.5	19.0	(43.5)

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 = 172.4)

CTD Schedule Variance: (-$15.6M/-10.7%)

The negative CTD schedule variance is due to delayed resumption preparations. Demolition was planned for February but resumption planning and field activities needed in preparation for restarting demolition on April 4, 2021, did not commence until February. It is anticipated that once demolition begins, schedule recovery will resolve itself. For remaining variance explanation, see CHPRC's Monthly Performance Reports.

CTD Cost Variance: (-$44.4M/-34.4%)

The negative CTD cost variance is due to the unplanned demolition resumption planning and field activities in February in preparation for restarting demolition on April 04, 2021. In February, mechanics began servicing the heavy equipment, and additional project resources have begun prepping the PFP site for this resumption. These are one-time costs that will not be recovered. For remaining variance explanation, see CHPRC's January Monthly Performance Report.

Variance at Completion (VAC): (-$43.5/-29.2%)

See CHPRC's January Monthly Performance Report.

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	20.1	(0.0)
Numbers are rounded to the nearest $0.1 million.			

Funds/Variance Analysis

The FY2021 variance of ($0.0) million reflects projected funding of $20.0 million and a spending forecast of $20.1 million.

Contract Funds Status Report is provided in Appendix C.

Critical Path Analysis

The PFP critical path schedule begins with the completion of Plutonium Reclamation Facility loadout, which is forecast to occur by July 20, 2021, meeting the requirements for 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 S&M and project closeout activities, completing by September 23, 2021.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-001	Implementation Period Task Order PMB	This baseline change request (BCR) implements the CPCCo Performance Measurement Baseline (PMB) for the remainder of FY2021.
BCR-CPC-21-003	Implement PFP CAP2 Project	This BCR implements the RL-011.C2 CAP into the CPCCo PMB. To enable accurate Project Assessment and Reporting System II performance reporting consistent with the U.S. Department of Energy (DOE) earned value management requirements, this Task Order continues execution of the existing CHPRC plan.
Change to allocated (distributed) budget: RL-0011 budget has been set to $6.6 million (including $2.2 million of CAP2) for the remainder of FY2021. Change to management reserve (MR): CAP2 MR has been set to $6.3 million consistent with the existing CHPRC plan.		

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		7/20/2021	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 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.

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Section B
Solid Waste Stabilization and Disposition (RL-0013)

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SIGNIFICANT ACCOMPLISHMENTS

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

The W-135 MCSC Project completed construction acceptance testing of the Capsule Storage Area (CSA) electrical system and tie-in of the Temperature Monitor System at the Canister Storage Building. The project awarded a construction contract on February 8, 2021, for modifications in the Waste Encapsulation Storage Facility (WESF) to support capsule transfer.

Waste Projects & Operations

The Central Waste Complex (CWC) submitted the Emergency Planning Hazards Assessment to the U.S. Department of Energy (DOE), Richland Operations Office (RL) for review as part of actions to implement the RL-approved Evaluation of Safety of the Situation (ESS) for Operational Awareness (OA) for CWC. At WESF, the crews conducted nondestructive examination, wall scans three-dimensional imaging, and changed the G Cell inlet canyon filter in preparation for W-135 Facility Modification activities.

Four shipments of four low-level waste boxes were received into mixed waste Trenches 31 and 34 from Perma-Fix Northwest (PFNW). Five containers were shipped from T Plant to the Environmental Restoration Disposal Facility (ERDF).

The ERDF received 4,465 tons of waste for disposal. Preparation of 26 sacrificial roll-on/roll-off containers to be used for Plutonium Reclamation Facility waste was completed. The first 11 were delivered on February 18, 2021.

The Integrated Disposal Facility (IDF) operations and maintenance completed monthly inspections and two significant storm event inspections. The IDF operational readiness construction efforts completed the security fencing during this period. The request to RL was transmitted for a temporary authorization to construct the waste treatment and storage pads.

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 & 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-OBJ2-P1	Waste and Fuel Management Project (W&FMP) will repackage the remaining 284 m^3 of Transuranic (TRU)/ Transuranic mixed (TRUM) legacy waste.	Each 2.84 m^3 of waste repackaged and returned to the CWC will constitute 1 percent of completion of the objective.	9/30/2021	0%
21-EMS-WFMP-OBJ3-P1	W&FMP will complete CSA construction.	Completion of each of the five primary activities will constitute 20 percent completion of the objective.	9/30/2021	0%
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	32%

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

SAFETY PERFORMANCE

	Current Month	Contract to Date*	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	1	At WESF, an employee reaching into a tool drawer cut the right middle finger with a pipe cutter. Employee returned to work no restrictions. (40019)
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 PFNW or to receive TRU/TRUM waste from PFNW.

Corrective Action

Implementing the RL-approved ESS for the CWC and Waste Receiving and Processing (WRAP) facilities to allow continued TRU/TRUM waste container shipments to PFNW.

Status

The SWOC facilities are currently implementing the RL-approved ESS that will allow for the CWC and WRAP facilities to continue with TRU/TRUM waste container shipments to PFNW when authorized.

Issue

OA report (DOE-ASMT-2020-5122) questioned the operational practice that relies on the operator to conduct an inspection of a legacy waste container condition without written criteria documented within the procedure, which would allow for functional comparison over time.

Corrective Action

The OA was entered into the Condition Reporting and Resolution System as CR-2020-1314. To address the OA concerns, two options were proposed: Option 1 was to create a baseline file for containers that have some sort of blemish/corrosion/degradation condition; Option 2 would conservatively overpack containers instead of going through the exercise of baselining containers.

Status

Prior to contract transition, facility management received senior management direction to proceed with Option 2, revise facility procedures to align with this direction and to address the OA concerns, and prepare a list of candidate drums to be overpacked. Containers within baseline scope are scheduled for overpacking as early as April 2021.

KEY RISKS

●	Opportunity is currently realized, or mitigation efforts are currently working toward or after a 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 a risk trigger date with foreseeable impacts. Recovery action needed.	↓	Decreased Confidence	

Risk Title	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0013/WBS-013				
Explanation of major changes to the project monthly stoplight chart: This is the first reporting month of the Central Plateau Cleanup Company (CPCCo) contract. There are no major changes to the stoplight chart.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
RL13 CSS-0006-T: Fabrication of the Equipment from the Contractor	Fabrication of critical items for the long-term storage of the cesium and strontium capsules does not go exactly as planned, resulting in design changes and rework. **Risk Handling Strategy**: Mitigate **Probability**: Somewhat likely (26% to 74%) **Worst Case Impacts**: $6M, 192 days	●	↔	**Risk Event**: Fabrication of required equipment and items does not go according to schedule, requiring redesign or additional components that will impact the project's cost and schedule baseline. **Risk Recovery Action(s)** / **FC Date** / **%**: Finalize seismic calculations to confirm gantry anchorage design. / 3/19/2021 / 90 **Recovery Action Assessment**: A design change for the Automated Weld System (AWS) was proposed and accepted by CH2M HILL Plateau Remediation Company, which would minimize crane movements of the AWS and simplify operation. Implementation of this change requires seismic considerations in the design, which were not recognized by the fabricator/designer, resulting in cost and schedule delays. The design has been reviewed. Final approval of the seismic calculations will signify design approval and acceptance.
RL13 CSS-0013-T: Novel Viral Pandemic (COVID-19) Impacts Cask Storage System (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	●	↔	**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. **Risk Recovery Action(s)** / **FC Date** / **%**: Subcontractor to manage resources to mitigate impacts for fabrication of critical path equipment. / Ongoing / N/A **Recovery Action Assessment**: No significant changes in February. 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. 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.

<table>
<tr><th rowspan="2">Risk Title</th><th rowspan="2">Unmitigated Risk Impacts</th><th colspan="2">Assessment</th><th rowspan="2">Comments</th></tr>
<tr><th>Month</th><th>Trend</th></tr>
<tr><td colspan="5">RL-0013/WBS-013</td></tr>
<tr><td>RL13 CSS-0015-T: CSS Design Changes</td><td>During fabrication of the CSS equipment, necessary design changes are identified, resulting in cost and schedule impacts to the project.

Risk Handling Strategy: Mitigate

Probability: Likely (75% to 90%)
Worst Case Impacts: $750K, 96 days</td><td>  </td><td>  </td><td>Risk Event: Design changes for the CSS equipment have been identified by the Nuclear Assurance Corporation (NAC) and CPCCo engineering that will improve ease of fabrication, decrease operational risk and improve occupational safety.

<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>
Recovery Action Assessment: No significant changes in February. 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.</td></tr>
<tr><td>RL13 MODS-0001-T: Changes to CSS Equipment Impact WESF Modifications</td><td>Changes to CSS or other buyer-furnished equipment impact WESF Modifications construction.

Risk Handling Strategy: Accept

Probability: Very likely (>90%)
Worst Case Impacts: $750K, 48 days</td><td>  </td><td>  </td><td>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 construction.

<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>6/30/2021</td><td>25</td></tr><tr><td>Construct WESF Modifications to revised design documents.</td><td>3/31/2022</td><td>0</td></tr></table>
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. WESF Modifications design changes will be prepared as further NAC CSS equipment design changes are issued.</td></tr>
<tr><td>RL13 WFM-0037-T: Shipment Delays</td><td>A project discovery or incident leads to shipments of waste being paused, resulting in schedule impacts to the project.

Risk Handling Strategy: Accept

Probability: Very likely (>90%)
Worst Case Impacts: $0, 32 days</td><td>  </td><td>  </td><td>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.

<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>4/19/2021</td><td>30</td></tr></table>
Recovery Action Assessment: The project has been working to implement the risk recovery actions that would allow shipments to resume. RL approved the ESS, and the project is working on implementation of revised controls and compensatory measures. Implementation is expected to be completed in March, with shipments resuming shortly thereafter.</td></tr>
<tr><td colspan="5">Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)</td></tr>
<tr><td colspan="5">No critical risks identified in February.</td></tr>
</table>

<table>
<tr><th rowspan="2">Risk Title</th><th rowspan="2">Unmitigated Risk Impacts</th><th colspan="2">Assessment</th><th rowspan="2">Comments</th></tr>
<tr><th>Month</th><th>Trend</th></tr>
<tr><td colspan="5">RL-0013/WBS-013</td></tr>
<tr><td colspan="5">High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)</td></tr>
<tr><td>RL13 WFM-0006-T: Major Equipment Failure – T Plant</td><td>T Plant suffers a major equipment failure (e.g., crane, primary power supply), resulting in cost impacts and schedule delays.

Risk Handling Strategy: Mitigate

Probability: Somewhat likely (26% to 74%)
Worst Case Impacts: $3M, 96 days</td><td>  </td><td>  </td><td>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.

<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>
Mitigation Assessment: 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.</td></tr>
<tr><td>RL13 WFM-0009-T: Multi-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues</td><td>A pause in waste processing results in an unexpected container degradation within the SWOC (excluding TRU retrieval activities) and requires additional resources to respond.

Risk Handling Strategy: Mitigate

Probability: Somewhat likely (26% to 74%)
Worst Case Impacts: $5M, 0 days</td><td>  </td><td>  </td><td>Risk Trigger Metric: Degraded containers are discovered in CWC.

<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>Manage a “watch list” of waste containers that have shown signs of degradation or are associated with degraded containers.</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>0</td></tr></table>
Mitigation Assessment: 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.</td></tr>
<tr><td colspan="5">FY2021 Key Risks</td></tr>
<tr><td>RL13 IDF-0009-T: RCRA Permit Process Impact Final Design to Dangerous Waste Management Units (DWMU) Components</td><td>Changes identified in the Resource Conservation and Recovery Act of 1976 (RCRA) Permit process have a direct impact to the final design of components identified within the DWMU, resulting in cost and schedule delays.

Risk Handling Strategy: Accept

Probability: Unlikely (10% to 24%)
Worst Case Impacts: $250K, 32 days</td><td>  </td><td>  </td><td>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.

<table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Working with state regulators to negotiate the acceptance of the current Leachate Collection Tank (LCT) design into the RCRA Permit, without modifications to the existing tank system.</td><td>TBD</td><td>N/A</td></tr></table>
Mitigation Assessment: No significant change in February. 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.</td></tr>
<tr><td colspan="5">Unassigned Risks (Pending ownership of identified risks/opportunities)</td></tr>
<tr><td colspan="5">No unassigned risks identified in February.</td></tr>
</table>

SUBCONTRACTED WORK

Refer to the Overview for Subcontracted Work metric.

PROJECT BASELINE PERFORMANCE
Current Month (CM)

RL-0013	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)
Total	13.7	11.9	11.0	(1.8)	-12.9%	1.0	8.3%

Numbers are rounded to the nearest $0.1 million.

CM Schedule Variance: (-$1.8M/-12.9%)

The CM negative schedule variance is due to delays in CSA construction on installation of the backflow preventer and 480V trenching due to anomalies discovered during excavation. This required a work pause and an Engineering Evaluation to be completed then resuming work by hand digging. In addition, inclement weather caused a week delay due to excessive snow. Award of the WESF Modifications construction contract was delayed a week due to CPCCo transition. Also, a delay in the fan number 3 delivery to T Plant. This was driven by a non-conformance issues as well as delays from lower-tier vendors. There are no impacts to critical path and no corrective actions at this time.

CM Cost Variance: ($1.0M/8.3%)

The CM cost variance is primarily due to less labor resources through attrition and vacancies in Project Management. In addition, overtime usage was less than planned for T Plant surveillance. Work was completed on regular time.

The IDF also contributed to the favorable cost variance for the current period due to an understated vendor accrual, which will be resolved during the next reporting period.

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	13.7	11.9	11.0	(1.8)	-12.9%	1.0	8.3%	140.5	139.8	128.9	0.7

Numbers are rounded to the nearest $0.1 million.

CTD Schedule Variance: ($-1.8M/-12.9%)

The CTD negative schedule variance is due to delays in CSA construction on installation of the backflow preventer and 480V trenching due to anomalies discovered during excavation. This required a work pause and an Engineering Evaluation to be completed then resuming work by hand digging. In addition, inclement weather caused a week delay due to excessive snow. Award of the WESF Modifications construction contract was delayed a week due to CPCCo transition. Also, a delay in the fan number 3 delivery to T Plant. This was driven by a non-conformance issues as well as delays form lower-tier vendors. There are no impacts to critical path and no corrective actions at this time.

CTD Cost Variance: ($1.0M/8.3%)

The CM cost variance is primarily due to less labor resources through attrition and vacancies in Project Management. In addition, overtime usage was less than planned for T Plant surveillance. Work was completed on regular time.

The IDF also contributed to the favorable cost variance for the current period due to an understated vendor accrual, which will be resolved during the next reporting period.

Variance at Completion (VAC): ($0.7M/0.5%)

The CTD VAC 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	138.9	138.1	0.8
W-135 WESF Mods (Line Item)	27.5	12.4	15.1
RL-0013 - Total	166.4	150.5	15.9
Numbers are rounded to the nearest $0.1 million.			

Funds/Variance Analysis

The FY2021 variance of $15.9 million reflects projected funding of $166.4 million and a spending forecast of $150.5 million. Of this variance, $15.1 million is for line item funding.

Contract Funds Status Report is provided in Appendix C.

Critical Path Analysis

Critical path analysis will be provided upon request.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-001	Implementation Period Task Order PMB	This baseline change request implements the CPCCo Performance Measurement Baseline (PMB) for the remainder of FY2021.
Change to allocated (distributed) budget: RL-0013 budget has been set at $140.5 million for the remainder of FY2021 ($72.5 million for Waste Projects and Operations, $25.4 million for ERDF/IDF, and $42.5 million for W-135 WESF Modifications). Change to management reserve: No change in February.		

MILESTONE STATUS

The following table is a look ahead at FY2021 *Hanford Federal Facility Agreement and Consent Order*-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	6/30/2021		6/30/2021	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	Tentative agreement was signed on February 10, 2021. The milestone will move to September 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)*	3/31/2021
DOE Review/Approve Critical Decision-0 and Planning – Contracted handled On-Site Processing Facility	4/20/2021	9/30/2021

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

CPCCo
Central Plateau Cleanup Company
An Amentum, Fluor, Atkins LLC

Section C
Soil and Groundwater Remediation Project (RL-0030)

February 2021

CPCC-2021-02, 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 & Treat (P&T) operations. Groundwater treatment and well drilling (including development) that was completed include 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	29.6	151.7	1.3	8.2						
HX P&T	23.7	129.3	3.0	18.3						
KR-4 P&T	12.1	64.5	0.1	0.8						
KW P&T	11.9	64.2	0.4	3.0						
KX P&T	17.8	111.9	0.7	5.1						
200 West P&T	97.1	514.5	0.8	4.2	140.0	770.0	$1.6x10^{11}$	$9.38 x10^{11}$	6.9	38.8
Combined	192.2	1036.5	6.3	39.6	140	770	$1.6x10^{11}$	$9.38 x10^{11}$	6.9	38.8
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	0	0
100-NR-2	1	0	0
M-24 Milestone	23	0	0
200-ZP-1	7	0	0
Total FY2021 Wells	**38**	**0**	**0**
Site Wide Boreholes	**3**	**2**	**2**

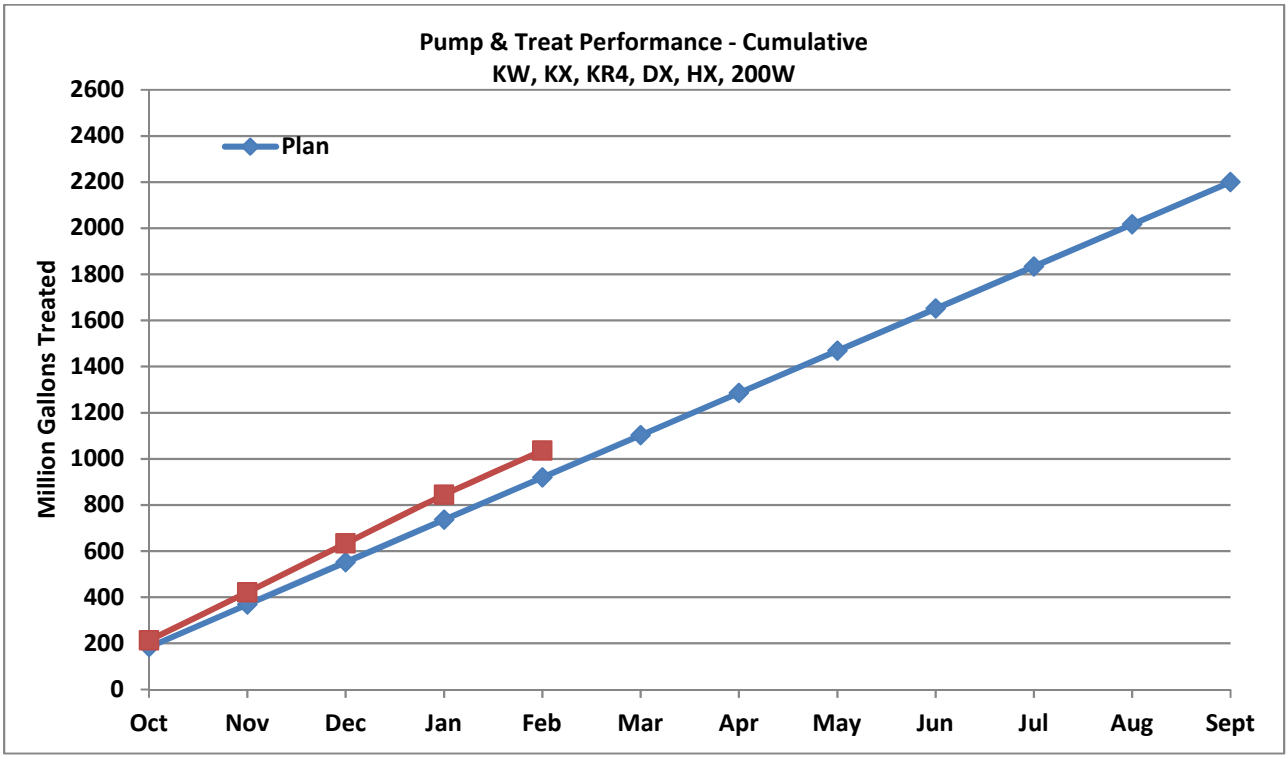
*Well drilling "completion" indicates achieving all drilling activities (drill, construct, develop and complete).

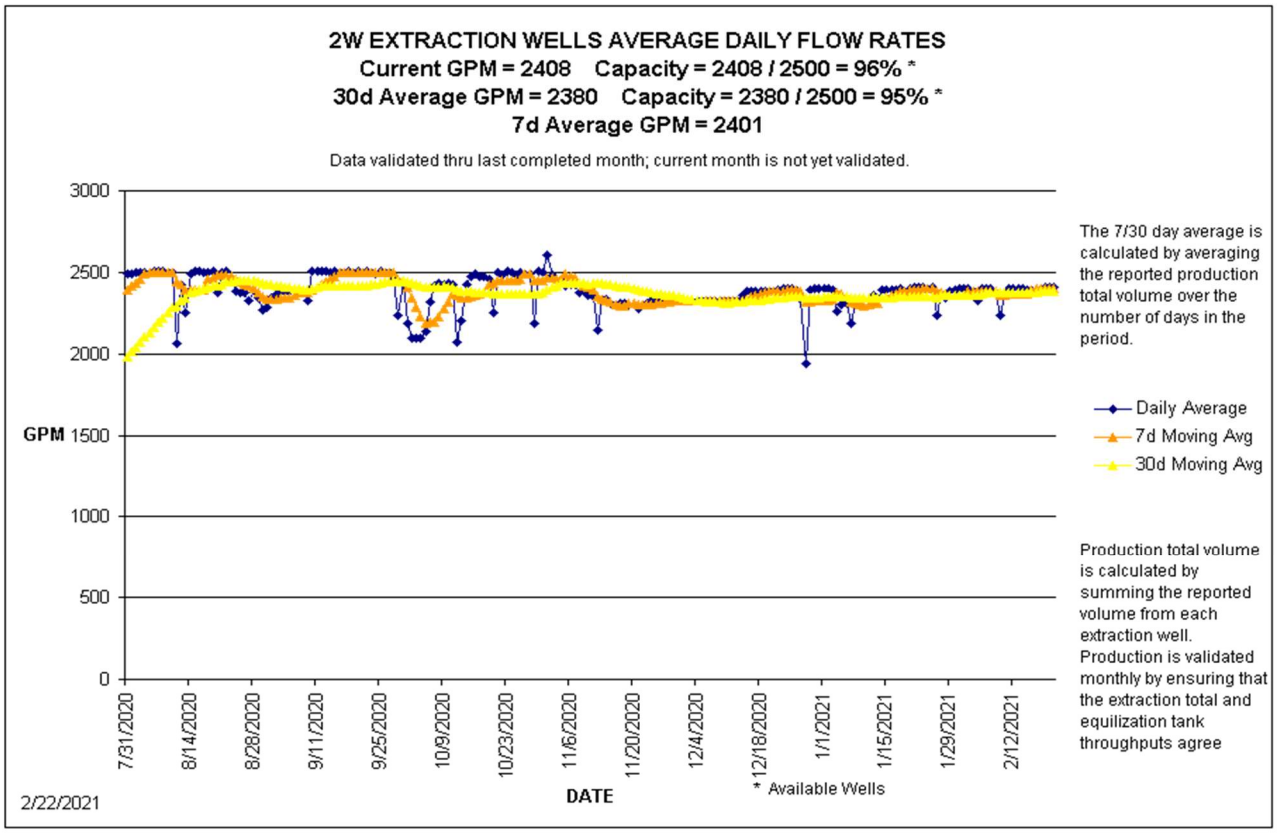
200-BP-5/200-PO-1

- Transmitted DOE/RL-2020-55, *Sampling and Analysis Plan for Characterization of the 200 East Area Unconfined Aquifer High Hydraulic Conductivity Zone*, Decisional Draft, to the Richland Operations Office (RL) for review on February 3, 2021.

100 Area P&Ts

- Operated the DX P&T at 744 gallons per minute (gpm), below the facility capacity of 775 gpm.
- Operated the KR-4 P&T at 304 gpm, below the facility capacity of 330 gpm.
- Operated the KW P&T at 296 gpm, below the facility capacity of 330 gpm.
- Operated the KX P&T at 453 gpm, below the facility capacity of 900 gpm.
- Operated the HX P&T at 589 gpm, below the facility capacity of 900 gpm.


Pump & Treat Performance - Cumulative
KW, KX, KR4, DX, HX, 200W
Million Gallons Treated
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Plan
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sept


2W EXTRACTION WELLS AVERAGE DAILY FLOW RATES
Current GPM = 2408 Capacity = 2408 / 2500 = 96% *
30d Average GPM = 2380 Capacity = 2380 / 2500 = 95% *
7d Average GPM = 2401
Data validated thru last completed month; current month is not yet validated.
GPM
3000
2500
2000
1500
1000
500
0
7/31/2020
8/14/2020
8/28/2020
9/11/2020
9/25/2020
10/9/2020
10/23/2020
11/6/2020
11/20/2020
12/4/2020
12/18/2020
1/1/2021
1/15/2021
1/29/2021
2/12/2021
DATE
* Available Wells
2/22/2021
The 7/30 day average is calculated by averaging the reported production total volume over the number of days in the period.
Daily Average
7d Moving Avg
30d Moving Avg
Production total volume is calculated by summing the reported volume from each extraction well. Production is validated monthly by ensuring that the extraction total and equilization tank throughputs agree

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	50%
21-EMS-SGRP-OBJ2-P1	Soil and Groundwater Remediation Project (S&GRP) 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	49%

*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 a 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 a risk trigger date with foreseeable impacts. Recovery action needed.	↓	Decreased Confidence	

Risk Title	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0030/WBS-030				
Explanation of major changes to the project monthly stoplight chart: As this is the first reporting month of the Central Plateau Cleanup Company (CPCCo) contract. There are no major changes to the stoplight chart.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
RL30 SGW-0051-T: Novel Viral Pandemic (COVID-19) Impacts Project Performance – S&GW	Unprecedented change in work practices/procedures (e.g., social distancing requirements) or lack of key resources (in-house and subcontracted) because the impact of coronavirus (COVID-19) on project performance, resulting in cost and schedule impacts. **Risk Handling Strategy:** Accept **Probability:** Very likely (<90%) **Worst Case Impacts:** $0K, 48 days	●	↔	**Risk Event:** COVID-19 exposures and quarantine protocol has impacted the availability of key resources for both contract and subcontracted staff, impacting project scope. **Recovery Action(s)** / **FC Date** / **%**: Schedule delays in fieldwork will be recovered by utilization of overtime. / 2/11/2021 / 100 **Recovery Assessment:** The ASHT tank layup was completed on February 11, 2021. Tank layup successor scope is being worked now, and recovery is on track. The project's revised assessment of current COVID-19 impacts indicates this risk can be removed from the stoplight chart next reporting period.
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No Critical Risks identified in February.				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
No High Risks identified in February.				
FY2021 Key Risks				
RL30 100PT-0001-T: Major Equipment Failure at a 100 Area P&T Facility	A major equipment failure is experienced at one of the 100 Area P&T locations during operations of the facility or at the injection and extraction well network. This includes but is not limited to failure of centrifugal pumps, plastic pipe joint saddles, ion exchange vessels, tanks, computer system control center, extraction/injection wells and other related equipment supporting P&T. **Risk Handling Strategy:** Mitigate **Probability:** Unlikely (10% to 25%) **Worst Case Impacts:** $1,000.0K, 0 days	●	↔	**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. **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 Assessment:** No significant change in February. 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.
RL30 200PT-0001-T: Major Equipment Failure at a 200 Area Pump & Treat Facility	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. **Risk Handling Strategy:** Mitigate **Probability:** Unlikely (10% to 25%) **Worst Case Impacts:** $1,000.0K, 0 days	●	↔	**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. **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 Assessment:** No significant change in February. 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.

Risk Title	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0030/WBS-030				
RL30 DRL-0007-T: Lack of Qualified Drilling Contractors	Availability of qualified drilling bidders to perform the FY2021 drilling scope becomes hindered, resulting in cost and schedule impacts. **Risk Handling Strategy:** Accept **Probability:** Unlikely (10% to 25%) **Worst Case Impacts:** $1,510.0K, 0 days			**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. **Mitigation Action(s)** / **FC Date** / **%**: None identified at this time / Ongoing / N/A **Mitigation Assessment:** No significant change in February. The project is currently reviewing options to mitigate this risk; however, no viable actions have been identified. Once a viable mitigation action(s) have been identified, this risk will be updated.
Unassigned Risks (Pending ownership of identified risks/opportunities)				
No unassigned risks identified in February.				

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	8.8	7.2	5.8	(1.6)	-18.2%	1.4	19.2%

Numbers are rounded to the nearest $0.1 million.

CM Schedule Variance: (-$1.6M/-18.2%)

The CM unfavorable schedule variance has resulted from drilling delays. *Resource Conservation and Recovery Act of 1976* (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. Mechanical issues/repairs to the 200-DV-1 drill rig and the reassignment of drilling resources from 200-DV-1 to support the 100-NR-2 borehole work have extended the time needed to complete drilling at 200-DV-1.

Additionally, geological conditions (caving gravel) encountered during the drilling of well 299-W11-03 have delayed the discrete sampling. Planning for recovery of the sampling is ongoing. Also, delays have occurred to the groundwater reporting effort while subcontracted resources are acquired. Contracted reporting support was expected during February but has yet to be finalized.

CM Cost Variance: ($1.4M/19.2%)

The CM favorable cost variance has resulted from efficiencies in several level of effort (LOE) accounts, including 100K and 200K Area Operations and Maintenance, combined with spending less than expected for usage-based services and road maintenance. Due to virtual rather than in-person reviews, less effort was needed to prepare for the composite analysis review by the Federal Review Group and less work than planned was needed to finalize the Root Characterization Study Plan because of a reduced number of RL comments.

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	8.8	7.2	5.8	(1.6)	-18.2%	1.4	19.2%	81.4	81.3	75.5	0.0

Numbers are rounded to the nearest $0.1 million.

CTD Schedule Variance: (-$1.6M/-18.2%)

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 which has caused the work to be performed more slowly than expected. Mechanical issues/repairs to the 200-DV-1 drill rig and the reassignment of drilling resources from 200-DV-1 to support the 100-NR-2 borehole work have extended the time needed to complete drilling at 200-DV-1.

CTD Cost Variance: ($1.4M/19.2%)

The CTD favorable cost variance has resulted from efficiencies in several LOE accounts, including 100K and 200K Area Operations and Maintenance, combined with spending less than expected for usage-based services and road maintenance. Due to virtual rather than in-person reviews, less effort was needed to prepare for the composite analysis review by the Federal Review Group and less work than planned was needed to finalize the Root Characterization Study Plan because of a reduced number of RL comments.

Additionally, geological conditions (caving gravel) encountered during the drilling of well 299-W11-03 have delayed the discrete sampling. Planning for recovery of the sampling is ongoing. Also, delays have occurred to the groundwater reporting effort while subcontracted resources are acquired. Contracted reporting support was expected during February but has yet to be finalized.

Variance at Completion (VAC): ($0.0M/0.0%)

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	91.3	88.9	2.4

Numbers are rounded to the nearest $0.1 million.

Funds/Variance Analysis

The FY2021 variance of $2.4 million reflects projected funding of $91.3 million and a spending forecast of $88.9 million.

Critical Path Analysis

The critical path analysis will be provided upon request.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-001	Implementation Period Task Order PMB	This baseline change request implemented the CPCCo Performance Measurement Baseline (PMB) for the remainder of FY2021.
Change to allocated (distributed) budget: RL-0030 budget has been set at $81.4 million for the remainder of FY2021 ($51.4 million for Soil and Groundwater Operations and $29.9 million for Regulatory Strategy and Integration). Change to management reserve: No change in February.		

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-0030.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-93C	Initiate Characterization Field Work for 200-SW-2 Operable Unit Landfills	9/30/2018		To be determined (TBD)	In abeyance
M-015-98	Complete Remedial Investigation of U Plant Related Waste Sites Located in 200-WA-1	6/30/2019		TBD	In abeyance
M-085-70	Submit to Ecology a Remedial Investigation/Feasibility Study Work Plan for 200-CB-1	9/30/2019		TBD	In abeyance
M-015-99	Complete Remedial Investigation of PFP Related Waste Sites Located in 200-WA-1	12/31/2019		TBD	In abeyance
M-015-112	Submit Draft B 200-IS-1 RFI/CMS/RI/FS Work Plan to Ecology with Schedule Dates	11/30/2020		TBD	In abeyance
M-024-58N	Initiate Discussions of Well Commitments	6/1/2021		6/1/2021	On schedule
M-024-72-T01	Conclude Discussions of Well Commitments Initiated Under M-024-58	8/1/2021		7/29/2021	On schedule
M-085-90	Submit Remedial Investigation/Feasibility Study Work Plan for 200-CR-1 to EPA	9/30/2021		TBD	In abeyance

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

Description	CPCCo Delivery Date	Expected RL Due Date
RL Review 200-BP-5/200-PO-1 Decisional Draft Interim Action (IA) Remedial Design (RD)/Removal Action Work Plan (RAWP) Extension	1/8/2021(A)*	3/19/2021
RL Review of 100-KE Soil Flushing Explanation of Significant Difference (ESD)	1/13/2021(A)*	2/12/2021(A)
U.S. Environmental Protection Agency (EPA) Develop 100-BC-5 Record of Decisions	1/25/2021(A)	3/1/2021
RL Review 200-PO-1 Decisional Draft Conceptual Site Model Sampling and Analysis Plan (SAP)	2/4/2021(A)	3/13/2021
RL Review KR-4 FY2021 Parent Rebound KW SAP Addendum	2/24/2021	3/22/2021
RL Review 100-HR-3 Decisional Draft Groundwater Rebound SAP	3/16/2021	3/25/2021
RL Transmit 100-KE Soil Flushing ESD Difference to EPA	3/19/2021	4/1/2021
RL Review 100-BC-5 RD/Remedial Action	4/2/2021	4/28/2021
RL Review of Draft Annual Groundwater Report	4/22/2021	5/18/2021
RL Transmit Draft A 100-HR-3 Groundwater Rebound Sample An	4/27/2021	5/5/2021
RL Review KR-4 FY2021 KE Soil Flushing SAP	4/30/2021	5/29/2021
RL Review of Decisional Draft 100-HR-3 Groundwater Rebound SAP	5/5/2021	5/22/2021
RL Transmit Draft A SAP 200-PO-1 to Regulators	5/12/2021	5/23/2021
RL Submit 200-BP-5/200-PO-1 Draft A IA RD/RAWP to Regulators	5/13/2021	5/26/2021
RL Submit Draft A 100-BC-5 RD/RAWP to Regulators	5/19/2021	6/2/2021
RL Review Draft 200 Area P&T Report	5/19/2021	6/14/2021
RL Review Draft 100 Area P&T Report	5/21/2021	6/19/2021
RL Review of Plutonium Uranium Extraction Plant Remedial Investigation/Feasibility Study Work Plan Revised Draft A SAP (New CP-1 Sites)	5/27/2021	6/25/2021

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

CPCCo
Central Plateau Cleanup Company
An Amentum, Fluor, Atkins LLC

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

February 2021

CPCC-2021-02, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

Central Plateau Risk Management (CPRM) Surveillance and Maintenance completed the 200 East Area tri-annual/annual surveillance and cleanup and waste packaging of identified white powder accumulations in the Plutonium Uranium Extraction Plant (PUREX) white room. The Aging Structures team completed field demobilization of stabilization equipment for the 216-Z-9 and 216-Z-2 Cribs. At the Reduction-Oxidation (REDOX) facility, crews completed anchoring the control panel and one of the three exhauster units to support REDOX's temporary ventilation system. Additionally, the REDOX Documented Safety Analysis (DSA) Revision 8 training for the entire organization was completed as required for implementation. Crews at the 224B Facility completed construction of the high-efficiency particulate air filter box for the 224B third floor ventilation exterior exhaust, as well as the Class 1 asbestos removal on the third floor. At PUREX North, crews mobilized for asbestos abatement activities and completed surveys to initiate asbestos abatement on steam lines located in the PUREX North footprint. The West Area Remediation Project (WARP) team continued demolition preparation activities at the 234-5Z-BA/BE boiler, initiated characterization activities at 231Z, hazardous material removal from ZP-1, continued work planning for additional demolition preparations and completed the draft DSA for the 224T Facility.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
21-EMS-CPRM-OBJ1-P1	Spill prevention, universal waste (UW), and recycling compliance	On a monthly basis, monitor and evaluate representative UW and recycling accumulation areas within the CPRM project.*	9/30/2021	40%
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%

*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	2	2	2/6/2021 – While cutting pipe, an employee's glove was caught by a saw blade and cut the finger. Employee was treated at HPM Corporation (HPMC) and released back to work with no restrictions. (40009) 2/16/2021 – Employee slipped and fell on an icy concrete pad. Employee was treated at HPMC and released back to work with no restrictions. (40012)
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-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	8.5	7.0	6.6	(1.4)	-17.0%	0.5	6.6%

Numbers are rounded to the nearest $0.1 million.

CM Schedule Variance: (-$1.4M/-17.0%)

The negative schedule variance is primarily due to a delay in demolition activities caused by a mechanical failure in the primary heavy equipment being used in the South Trailer Village. Poor weather conditions in February,

along with the diverting of resources, contributed to a delay in 224T setup activities. Resources supporting 224T scope were shifted over to support the Plutonium Finishing Plant (PFP) resumption preparation activities. PFP is currently scheduled to resume April 5, 2021.

CM Cost Variance: ($0.5M/6.6%)

The CM cost variance is within threshold.

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	8.5	7.0	6.6	(1.4)	-17.0%	0.5	6.6%	65.9	67.6	61.0	(1.7)

Numbers are rounded to the nearest $0.1 million.

CTD Schedule Variance: (-$1.4M/-17.0%)

The negative schedule variance is primarily due to a delay in demolition activities caused by a mechanical failure in the primary heavy equipment being used in the South Trailer Village. Poor weather conditions in February, along with the diverting of resources, contributed to a delay in 224T setup activities. Resources supporting 224T scope were shifted over to support PFP resumption preparation activities. PFP is currently scheduled to resume April 5, 2021.

CTD Cost Variance: (+$0.5M/+6.6%)

The CTD cost variance is within threshold.

Variance at Completion (VAC): (-$1.7M/-2.5%)

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	61.4	67.6	(6.2)

Numbers are rounded to the nearest $0.1 million.

Funds/Variance Analysis

The fiscal year (FY) 2021 negative variance of $6.2 million reflects projected funding of $61.4 million and a spending forecast of $67.6 million. The negative variance is offset with project breakdown structure RL-0041 within the River Corridor control point.

Critical Path Analysis

Critical path analysis will be provided upon request.

CHANGE CONTROL

Change Number	Title	Summary of Change
BCR-CPC-21-001	Implementation Period Task Order PMB	This baseline change request implemented the Central Plateau Cleanup Company Performance Measurement Baseline (PMB) for the remainder of FY2021.
Change to allocated (distributed) budget: RL-0040 budget has been set at $65.9 million for the remainder of FY2021. Change to management reserve: No change in February.		

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-016-250F	Submit to Ecology a 3-Year Rolling Prioritized Schedule to Implement Waste Site Removal Actions	3/31/2021		3/31/2021	On schedule
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		9/30/2021	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 Air Monitoring Plan – RL Review and Comment	1/25/2021(A)	3/1/2021
B-Plant Removal Action Work Plan – RL Review and Comment	2/1/2021(A)	3/1/2021
B-Plant Sampling and Analysis Plan – RL Review and Comment	4/5/2021	4/29/2021

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

February 2021

CPCC-2021-02, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

The K Area Closure End States team completed a draft version of the Vertical Pipe Casing (VPC) installation contractor work package for installing the VPC components in the K West Basin, and it was routed for internal and subcontractor review. The engineering team conducted a walk down and worked with the VPC installation contractor on the lifting and rotation of the VPC bases to address headspace clearance limitations in the basin. The engineering team evaluated the need to add swivel attachments to the VPC bases to help with the headspace limitations.

The 166K East structure demolition and debris loadout was completed. Demolition of 165K East commenced with removal of the adjacent 167K East cross tie tunnel. The 105K West Base Operations team placed on hold preparations for Remote Handled Transuranic fragment specimen conditioning after a need to complete an inspection of the northern half of the settler tanks was identified. This inspection is being prioritized over specimen conditioning to help determine if sampling of the settler tanks is needed and to aid with the disposition planning. Handrails and tooling were set up around the north settler tanks and grating modifications were completed in support of the upcoming investigation. Completed fabrication of the sample station counting cart at the Maintenance and Storage Facility (MASF) to support nondestructive assays (NDA) of 105K West samples and started conducting floor sampling tests using the new sample cart.

The Soil Remediation team began processing (shearing and size reducing) the 60-inch diameter raw water pipes and a concrete duct bank that runs through the 100-K-55:2, 100-K-56:3 and 100-K-96 waste site combined excavation. In February, 267 feet of steel pipeline was processed. The team loaded out 127 Environmental Restoration Disposal Facility (ERDF) containers of contaminated soil and processed materials, and stockpiled 9,803 tons of overburden material during February. The 105K East Interim Safe Storage (ISS) team began receiving and dispositioning functional review comments on the Statement of Work (SOW) revision that incorporates the haul road build option. A field walk down was done to verify no radiological contamination will be associated with the road work. The team commenced review of the SOW for the K East ISS building erection. The 105K West Demolition Planning and Demolition Preparation team completed a field walk down and a job hazard analysis for installation of double doors at Corridor 10. The work package was reviewed and approved.

The 300-296 Project initiated general contamination area (CA)/high contamination area (HCA)/airborne radiation areas (ARAs) construction activities. Completed construction activities included the following: the cell grouting bulkhead installation, installation of additional cameras in the C Gallery and airlock doffing areas, mechanical interference removal for a future pass-through plate and measurement of the airlock tracks for a future modification. All 20 corrective actions for the 324 Facility Contamination Event Phase 1 have been completed and four of eight Phase 2 corrective actions have been completed.

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 decontamination decommissioning (D&D), and soil remediation activities. Ensure the water discharge to ground requirements found in DOE/RL-97-67, *Pollution Prevention and Best Management Practices Plan for State Waste Discharge Permits ST 0004511, ST 4509, and ST 4510*, Revision 3, and 100K-STD-OP-52370, *Discharges to Ground*, 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	40%

*Progress made under the Plateau Remediation Company 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	2	2/17/2021: Employee tripped over a broom handle. Initially did not feel anything but later felt pain in the back. Employee wanted to go to HPM Corporation. No restrictions. (40015) 2/25/2021: While standing from a sitting position, employee's boot got tangled with a chair leg and caused the employee to twist the upper back, trying to avoid falling to the ground. Employee returned to work with no restrictions. (40020)
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

Transfer Cast Assembly (TCA)-1 is staged outside of the 105K West facility and is awaiting disposition, and TCA-2 is staged inside the Fuel Transfer System (FTS) annex attached to the north side of 105K West Basin. Both TCA-1 and TCA-2 were previously used to support transfer operations between 105K East and 105K West and are internally contaminated. Based on historical process data, the casks contain residual amounts of basin water and some unknown amount of sludge material. Both TCAs require further characterization to verify the source material, radiation levels and location of contamination in order to determine a disposal pathway.

Corrective Action

Characterization of the TCA-1 will require removal of the lid to obtain visual and radiological surveys. Due to anticipated levels of contamination and radiation, this work is presumed to pose a high radiological risk that requires mitigation by use of containments, temporary shielding and ventilation, and mockup training to complete the task. Engineering assessments along with advanced worker involvement will be necessary to plan the disposition of the TCA. Radiological engineering dose-to-Curie modeling indicates that if a dose rate measurement taken 10 inches above the bottom of the inner vessel exceeds 6 rem/hour, then the sludge heel will have to be removed and processed separately, most likely being directed to the north loadout pit VPC (if not grouted yet) or pumped into a separately approved container for disposition. If this condition does not exist, then the residual water and material can be solidified and the TCA transferred to ERDF for grouting and disposal. This approach will then be used to process TCA-2 after it is removed from the FTS annex.

Status

Results from an NDA performed on a shielded ion exchange (IX) module staged west of 105K West in December 2019 through January 2020 were evaluated as a test case to determine if the NDA of TCA-1 is feasible for identifying specific radionuclide peaks in a shielded container. While the NDA of the IX module was not deemed successful due to the complex configuration of the shielded module, actinide peaks were identified through the heavy shielding, indicating the NDA is a viable method for determining if residual solids/sludge contained within TCA-1 need to be removed versus solidified without performing intrusive characterization. The support trailer and area around TCA-1 were made ready, and NDA commenced. Initial measurements have been taken for TCA-1, and the results are being compiled and reviewed. Following a review of the results, NDA personnel performed NDA on TCA-2. A final report on the effectiveness and findings will be received from the NDA group in March 2021. Results of the NDA will be used to support fiscal year (FY) 2022 planning and engineering activities for dispositioning the contents of both TCAs.

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. Revision 3 of DOE/RL-2001-36 does not provide direction to conduct hazard categorization for shipments. At this time, only shipments categorized as less than HC-3 may be shipped under the TSD. The planned shipments of retrieved garnet filter media (GFM) are expected to be above HC-3 categorization.

Corrective Action

Develop and submit an 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 Justification for Continued Operation (JCO) to authorize shipment of retrieved GFM under the One Time Request for Shipping (OTRS).

Status

After some initial efforts to resolve the issue, a Potential Inadequacy of the Safety Analysis was declared with a follow on positive unreviewed safety question determination per 10CFR830.203 and CPCC-PRO-NS-062. CPCCo and U.S. Department of Energy (DOE), Richland Operations Office (RL) have evaluated the alternatives and determined the appropriate path forward to ensuring compliance with DOE O 460.1D is to develop and approve an Evaluation of the Safety of the Situation (ESS) in response to the unreviewed safety question due to the non-compliance of the TSD with 10CFR830 and to develop a revised TSD for the Hanford Site as a long-term corrective action. For GFM shipments, a JCO is being developed to authorize use of the existing OTRS for GFM shipments. Official transmittal of the TSD ESS is expected the week of March 8, 2021E, with a 30-day approval. The OTRS JCO is being developed in parallel and is expected to be submitted and approved about two weeks following the ESS submittal. Following DOE approval of the TSD ESS and the OTRS JCO, CPCCo will implement the ESS and JCO to allow GFM operations to begin.

Issue

On November 14, 2019, an individual at the 324 Building Disposition Project was discovered with radiological contamination on the skin after exiting the airlock. The individual was decontaminated and cleared. However, due to the event, CH2M HILL Plateau Remediation Company (CHPRC) management suspended radiological work beyond essential mission-critical operation activities, pending identification and implementation of revised strategies and controls to reduce the potential of future contaminations.

Corrective Action

The evaluation of 324 Building practices as documented in the root cause analysis and associated corrective action plan identified 65 corrective actions. These corrective actions are broken into the following categories and need to be completed prior to resuming general HCA/ARA work: prestart Phase 1 – general CA/HCA activities, prestart Phase 2 – Room 18 activities, prestart Phase 3 – airlock activities and post-start corrective actions.

Status

All 20 corrective actions for the 324 Facility Contamination Event Phase 1 have been completed and four of the Phase 2 corrective actions have been completed. Forecast date for completion is April 28, 2021.

KEY RISKS

Green	Opportunity is currently realized, or mitigation efforts are currently working toward or after a risk trigger with no foreseeable impacts.	↑	Increased Confidence	New Risk
Yellow	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
Red	Risk is currently realized or risk mitigation efforts are past a risk trigger date with foreseeable impacts. Recovery action needed.	↓	Decreased Confidence	

Risk Title	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0041/WBS-041				
Explanation of major changes to the project monthly stoplight chart: As this is the first reporting month of the CPCCo contract, there are no major changes to the stoplight chart.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
RL41 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	Red	↔	**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 recovery actions. **Recovery Action(s)** / **FC Date** / **%** Vendor delivery to acquisition verification services (AVS) – B Cell 10-ton crane. — 3/16/2021 — 0 Perform remote survey and radiological characterization of the A/D Crane. — 7/26/2021 — 0 Perform follow-up A/D Crane mechanical investigation. — 9/9/2021 — 0 Perform follow-up A/D Crane mechanical repairs. — 11/3/2021 — 0 Perform A/D Crane characterization. — 11/10/2021 — 0 **Recovery Assessment**: No significant changes in February. 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 decontamination equipment has been initiated to decrease further impacts to the project. The vendor is also in the process of fabricating the B Cell Crane bridge to assist with installation. An integrated factory acceptance test of the crane components will precede delivery. As a result, the current forecast date for delivery to AVS is March 16, 2021.

<table>
<tr><th rowspan="2">Risk Title</th><th rowspan="2">Unmitigated Risk Impacts</th><th colspan="2">Assessment</th><th rowspan="2">Comments</th></tr>
<tr><th>Month</th><th>Trend</th></tr>
<tr><td colspan="5">RL-0041/WBS-041</td></tr>
<tr><td>RL41 RCC-0027-T: 300-296 Radiation & Contamination Experienced During REC Cell Operations</td><td>During REC cell cleanout (e.g., soil/debris removal, waste handling and facility modifications), the CHA, truck lock or other support area becomes contaminated or the background dose is elevated to a level that operations cannot continue as currently planned. Significant cost and schedule impacts are incurred.

Risk Handling Strategy: Mitigate

Probability: Likely (75% to 90%)
Worst Case Impacts: $400K, 70 days</td><td>  </td><td>  </td><td>Risk Event: During the CHPRC contract, low-level contamination was detected on an individual after exiting a radiological step-off pad. The mitigation activities for this risk have been planned in the CPCCo PMB. CPCCo will continue implementation of recovery actions.

<table><tr><th>Recovery Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Return to Room 18 work – resumption actions.</td><td>3/2/2020</td><td>40</td></tr><tr><td>Return to airlock work – resumption actions.</td><td>4/28/2021</td><td>15</td></tr><tr><td></td><td></td><td></td></tr></table>
Recovery Assessment: All 20 corrective actions for Phase 1 have been completed and general CA/HCA/ARAs work has resumed. Four of eight corrective actions for Phase 2 have been completed and Phase 2 training initiated with the work force. Upon successful completion of resumption actions and training, work in Room 18 and the airlock will resume.</td></tr>
<tr><td colspan="5">Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed.)</td></tr>
<tr><td colspan="5">No critical risks are identified in February.</td></tr>
<tr><td colspan="5">High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)</td></tr>
<tr><td>RL41 RCC-0024-T: 300-296 Elevated Contamination Encountered While Performing Structural Modifications</td><td>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</td><td>  </td><td>  </td><td>Risk Event: Unexpected contamination is found while performing structural modification activities.

<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>6/16/2021</td><td>0</td></tr></table>
Mitigation Assessment: No significant changes in February. The project continues to work resumption training and anticipates further reducing the probability of this risk once proficiency training is complete. Increased personal protective equipment (PPE) and additional control measures were successfully implemented.</td></tr>
<tr><td>RL41 RCC-0001-T: 300-296 Latent Conditions Impact Facility Modification</td><td>Latent conditions, poor visibility in REC cells or drawing omissions, inconsistencies or errors impact facility modifications (e.g., mechanical, electrical industrial hygiene/RCAs), resulting in unplanned work and subsequently, cost and schedule impacts.

Risk Handling Strategy: Mitigate

Probability: Medium (26% to 74%)
Worst Case Impacts: $1,116.5K, 128 days</td><td>  </td><td>  </td><td>Risk Trigger Metric: The 324 Building and REC cells have been used for numerous missions since 1965. Available drawings may not reflect the actual conditions in the building or REC cells. Additionally, debris may obscure in-cell features making removal more complex than planned. Radiological control hazards may be more extensive than assumed, increasing the complexity of facility modifications necessary for soil removal activities.

<table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Perform radiological surveying and analysis of facility drawings to reduce unexpected conditions while preparing for remote soil excavation activities.</td><td>Ongoing</td><td>N/A</td></tr></table>
Mitigation Assessment: No significant changes in February. 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 preventative maintenance (PM) activities are in place to reduce the likelihood of occurrence.</td></tr>
</table>

<table>
<tr><th rowspan="2">Risk Title</th><th rowspan="2">Unmitigated Risk Impacts</th><th colspan="2">Assessment</th><th rowspan="2">Comments</th></tr>
<tr><th>Month</th><th>Trend</th></tr>
<tr><td colspan="5">RL-0041/WBS-041</td></tr>
<tr><td>RL41 RCC-0014-T:
300-296 Cell Sealing, Micropile Installation, Interference Removal, Core Drilling and Soil Stabilization Takes Longer Than Planned</td><td>Unexpected field conditions are encountered during interference removal, sealing of cell penetrations and/or core drilling work scope. The unexpected field conditions subsequently cause in-scope unplanned work and result in schedule impacts to the project.

Risk Handling Strategy: Mitigate

Probability: Somewhat likely (26% to 74%)
Worst Case Impacts: $3,317.6K, 96 days</td><td>  </td><td>  </td><td>Risk Trigger Metric: The project experiences unexpected field conditions outside its control, impacting cell sealing, core drilling and soil stabilization, micropile installation and interference removal, making it more difficult than planned.
<table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>Perform pilot-hole drilling to aid as a mitigation action for micropile installation.</td><td>Ongoing</td><td>N/A</td></tr><tr><td>Perform micropile foundation load testing.</td><td>3/18/2021</td><td>35</td></tr></table>
Mitigation Assessment: Additional testing to verify compatibility with grouting material will aid in mitigating this risk from occurring. Weather related impacts resulted in a slight delay in completing this mitigation action.</td></tr>
<tr><td colspan="5">FY2021 Key Risks</td></tr>
<tr><td>RL41 RCC-0009-T:
300-296 Failure of Cell Shield Door</td><td>Failure of shield door(s) or crane shield door(s) shuts down cleanout of REC cells/airlock, penetration sealing in the airlock and equipment installation, and other activities for remote soil removal. It may not be possible to repair a shield door due to radiation dose rate and location, resulting in cost and schedule delays.

Risk Handling Strategy: Mitigate

Probability: Unlikely (10% to 25%)
Worst Case Impacts: $460K, 96 days</td><td>  </td><td>  </td><td>Risk Trigger Metric: The cell shield door fails, resulting in a shutdown of cleanout activities until repairs can be completed, similar to the event that occurred in September 2019.
<table><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>6/30/2021</td><td>0</td></tr></table>
Mitigation Assessment: No significant changes in February. 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.</td></tr>
<tr><td>RL41 RCC-0007-T:
300-296 Remote Equipment Failure During Operations</td><td>Failures of the following procured equipment: the floor saw, master slave manipulators (MSMs) used in REC cells, Remote Excavator Arms (REAs), through supports, cell dams, transfer mechanism and cameras and lights.

Risk Handling Strategy: Mitigate

Probability: Unlikely (10% to 25%)
Worst Case Impacts: $1,336K, 90 days</td><td>  </td><td>  </td><td>Risk Trigger Metric: Failure of remote equipment will result in schedule delays due to equipment replacement and repairs because of radiation damage to other equipment installed in the REC cells. These factors may shorten the operational life of equipment and result in replacing damaged equipment or components.
<table><tr><th>Mitigation Action(s)</th><th>FC Date</th><th>%</th></tr><tr><td>None identified at this time</td><td>Ongoing</td><td>N/A</td></tr></table>
Mitigation Assessment: No significant changes in February. Procurement of a spare upper REA and universal cutting tool 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.</td></tr>
<tr><td>RL41 RCC-0029-T:
Increased Radiation Exposure to Workers</td><td>High dose in the airlock causes excessive radiation exposure to personnel, resulting in in-scope unplanned work impacts of cost and/or schedule.

Risk Handling Strategy: Mitigate

Probability: Somewhat likely (25% to 74%)
Worst Case Impacts: $400K, 72 days</td><td>  </td><td>  </td><td>Risk Trigger Metric: During REC entries, background and present dose could cause workers to reach allowable dose limits sooner than anticipated, resulting in cost and schedule impacts.
<table><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><tr><td>Procurement of specialized containers – GC/44-inch bins.</td><td>2/18/2021</td><td>100</td></tr></table>
Mitigation Assessment: No significant changes in February. 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.</td></tr>
</table>

<table>
<tr><th rowspan="2">Risk Title</th><th rowspan="2">Unmitigated Risk Impacts</th><th colspan="2">Assessment</th><th rowspan="2">Comments</th></tr>
<tr><th>Month</th><th>Trend</th></tr>
<tr><td colspan="5">RL-0041/WBS-041</td></tr>
<tr><td>RL41 KWB-0008-T: 105KW Basin – Failure of Critical VPC Components During Operations</td><td>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.

Risk Handling Strategy: Mitigate

Probability: Unlikely (10% to 25%)
Worst Case Impacts: $105K, 40 days</td><td>  </td><td>  </td><td>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.
<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>4/14/2021</td><td>0</td></tr><tr><td>Project Technical Services to install equipment and perform Construction Acceptance Testing of full system before turnover to operations.</td><td>12/21/2021</td><td>0</td></tr></table>Mitigation Assessment: Fabrication and testing of the VPC components have been completed by the fabrication subcontractor and reviewed by CHPRC Quality Assurance. Testing of the loading, grouting and auguring was completed at the Contractor's Texas facility to verify the VPCs, grouting and auguring will function as intended during retrieval. The next phase will be to complete underwater fit-up testing at MASF of the fully assembled system in the 105K West Area Basin to verify proper operation at turnover. Mitigation actions will continue to be reviewed and updated, as appropriate.</td></tr>
<tr><td>RL41 SR-0004-T: 100K Unexpected Site Conditions</td><td>Unexpected site conditions are encountered during soil excavation activities, resulting in recovery actions, causing unplanned and project in-scope work and schedule delays.

Risk Handling Strategy: Mitigate

Probability: Somewhat likely (26% to 74%)
Worst Case Impacts: $1,007K, 32 days</td><td>  </td><td>  </td><td>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 contaminates, resulting in the need to create a new clean-fill pit.
<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 contaminates 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>Mitigation Assessment: No significant change in February. 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.</td></tr>
<tr><td colspan="5">Unassigned Risks (Pending ownership of identified risks/opportunities)</td></tr>
<tr><td colspan="5">No unassigned risks identified in February.</td></tr>
</table>

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	9.0	8.5	7.9	(0.5)	-5.8%	0.6	6.9%

Numbers are rounded to the nearest $0.1 million.

CM Schedule Variance: (-$.5M/-5.8%)

The CM unfavorable schedule variance in the 300 Area is partially due to delayed award for the procurement of the REC crane/bridge due to CPCCo negotiations with the vendor on the special provisions of the term and conditions. Additionally there were delays in progressing with Room 18 training due to PPE validations. Completion of corrective actions is forecast for April 28, 2021. The CM unfavorable schedule variance in the 100 Area is due to remediation focus on lower valued overburden removal to enable the start of excavation work in the future. In addition, delays to 105K West below-water work activities caused by limited availability of nuclear chemical operator (NCO) resources due to COVID impacts and unfilled positions for these resources.

CM Cost Variance: ($0.6M/6.9%)

The positive cost variance is from 100K Area LOE accounts - Procurement of IX modules for the 105K West facility were delayed due to a requirement to recompete the existing contract and labor charges were lower than anticipated due to impacts from COVID. In addition, the Project is in process of filling nine open positions for NCO personnel.

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	9.0	8.5	7.9	(0.5)	-5.8%	0.6	6.9%	90.9	90.9	83.0	(0.0)

Numbers are rounded to the nearest $0.1 million.

CTD Schedule Variance: (-$0.5M/-5.8%)

The CTD schedule variance is within threshold.

CTD Cost Variance: (+$0.6M/+6.9%)

The CTD cost variance is within threshold.

Variance at Completion (VAC): (-$0.0/-0.0%)

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	98.0	91.7	6.4
Numbers are rounded to the nearest $0.1 million.			

Funds/Variance Analysis

The FY2021 variance of $6.4 million reflects projected funding of $98.0 million and a spending forecast of $91.7 million. This variance offsets the negative variance in project breakdown structure RL-0040 within the River Corridor Control Point.

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-21-001	Implementation Period Task Order PMB	This baseline change request implemented the CPCCo Performance Measurement Baseline (PMB) for the remainder of FY2021.
Change to allocated (distributed) budget: RL-0041 budget has been set at $90.9 million for the remainder of FY2021 ($49.1 million for K Area End States and $41.8 million for 300 Area End States). Change to management reserve: No change in February.		

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		To Be Determined (TBD)	Request for Proposal forecasted to be issued in March. Expect contract award in May.
M-016-85A	Complete Remote Excavation of 300-296 Waste Site	9/30/2021		12/13/2023	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 Concur on the 324 Facility Documented Safety Analysis (DSA)/Technical Safety Requirement (TSR) Revision Comment Resolution	2/22/2021	2/27/2021
RL Prepare the 324 Facility DSA/TSR Revision Safety Evaluation Report (SER)	3/1/2021	3/12/2021
RL Issue SER for 324 DSA/TSR	3/15/2021	3/23/2021
RL approval of Justification for Continued Operations (JCO)	3/25/2021	4/24/2021

CPCCo
Central Plateau Cleanup Company
An Amentum, Fluor, Atkins LLC

Section F
Fast Flux Test Facility Closure (RL-0042)

February 2021

CPCC-2021-02, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

Workers erected work platforms alongside two 300,000 gallon water tanks in Hanford Site's 400 Area in preparation for an upcoming inspection. The tanks provide potable and fire water storage to facilities near the Maintenance and Storage Facility and the decommissioned Fast Flux Test Facility. Installation of the platforms address lessons learned from a previous inspection. The stairs provide easier access, while the larger work platform allows workers more mobility and flexibility for fall protection, reducing the need for Hanford Mission Integration Solutions, LLC crane and rigging support for future inspections and surveillances.

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	0.4	0.0	11.5%	(0.2)	-71.4%

Numbers are rounded to the nearest $0.1 million.

CM Schedule Variance: (+$0.0M/+11.5%)

The CM schedule variance is within threshold.

CM Cost Variance: (-$0.2M/-71.4%)

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	0.2	0.2	0.4	0.0	11.5%	(0.2)	-71.4%	2.4	2.7	2.3	(0.2)

Numbers are rounded to the nearest $0.1 million.

CTD Schedule Variance: ($0.0M/-11.5%)

The CTD schedule variance is within threshold.

CTD Cost Variance: (-$0.2M/-71.4%)

The CTD cost variance is within threshold.

Variance at Completion (VAC): (-$0.2M/-8.7%)

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	3.4	2.6	0.8

Numbers are rounded to the nearest $0.1 million.

Funds/Variance Analysis

The fiscal year (FY) 2021 variance of $0.8 million reflects projected funding of $3.4 million and a spending forecast of $2.6 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-21-001	Implementation Period Task Order PMB	This baseline change request implemented the Central Plateau Cleanup Company (CPCCo) Performance Measurement Baseline (PMB) for the remainder of FY2021.
Change to allocated (distributed) budget: RL-0042 budget has been set at $2.4 million for the remainder of FY2021. Change to management reserve: No change in February.		

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 Engineering Evaluation/Cost Analysis	1/14/2021(A)*	3/1/2021

*Delivered to RL by Plateau Remediation Contract prior to the start of the Central Plateau Cleanup Contract.

CPCCo
Central Plateau Cleanup Company
An Amentum, Fluor, Atkins LLC

Section G
B Reactor
(RL-0201)

February 2021

CPCC-2021-02, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

B Reactor/Manhattan Project National Historical Park oversight successfully transitioned from Hanford Mission Integration Solutions, LLC (HMIS) to Central Plateau Cleanup Company (CPCCo). Contracting for essential services has been initiated. The project has acquired the staff required to enable resumption of improvements and public access via the B Reactor Tour Program activities in support of mission requirements.

Accomplishments included general housekeeping at B Reactor and White Bluffs Bank; snow removal; trash cleanup along the fence line; clear coat application to bare concrete floors of the intake fan room and labyrinths between the intake and exhaust fans; turnover tour between CPCCo and HMIS Radiological Control (RadCon); trail camera procurement; dosimetry closeout and transfer from HMIS to CPCCo for the RadCon workers; and whole body counts for closeout from HMIS and starting a baseline for CPCCo; Radiological Worker Permit planning for radiological work at B Reactor; stripped wax from the exhaust fan room damaged during 2019 flooding; and planning for Cultural and Ecological reviews.

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)	-3.6%

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/-3.6%)

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	0.1	0.1	0.1	0.0	0%	(0.0)	-3.6%	0.9	1.4	1.3	(.5)

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: (-$0.0M/-3.6%)

The CTD cost variance is within threshold.

Variance at Completion (VAC): (-$0.5M/-62.5%)

The unfavorable VAC reflects additional resources and contracts not previously identified by the basis of estimate provided by MSA. Additional HMIS support contracts were identified after the Performance Measurement Baseline (PMB) was established and are now included in the estimate to complete.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST

RL-0021	Projected Funding	Spending Forecast	Variance
B Reactor	8.1	1.4	6.7
Numbers are rounded to the nearest $0.1 million.			

Funds/Variance Analysis

The fiscal year (FY) 2021 variance of $6.7 million reflects projected funding of $8.1 million and a spending forecast of $1.4 million.

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-21-001	Implementation Period Task Order PMB	This baseline change request implemented the CPCCo PMB for the remainder of FY2021.
Change to allocated (distributed) budget: RL-0201 budget has been set at $0.9 million for the remainder of FY2021. Change to management reserve: No change in February.		

MILESTONE STATUS

None currently identified.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

DOE ACTIONS/DECISIONS

None currently identified.

CPCCo
Central Plateau Cleanup Company
An Amentum, Fluor, Atkins LLC

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

February 2021

CPCC-2021-02, 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

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 / 01 / 25
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER 89303921FEM400029	b. PHASE	b. TO (YYYYMMDD) 2021 / 02 / 21
	c. TYPE IDIQ / d. SHARE RATIO	c. EVMS ACCEPTANCE NO / YES (YYYYMMDD) N/A	

5. CONTRACT DATA

a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK	d. TARGET PROFIT/FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING	i. DATE OF OTB/OTS (YYYYMMDD)
1	175,000	362,371	12,500	187,500	595,057	187,500	595,057	

6. ESTIMATED COST AT COMPLETION

	MANAGEMENT ESTIMATE AT COMPLETION (1)	CONTRACT BUDGET BASE (2)	VARIANCE (3)
a. BEST CASE	576,255		
b. WORST CASE	589,482		
c. MOST LIKELY	582,557	537,371	-45,187

7. AUTHORIZED CONTRACTOR REPRESENTATIVE

a. NAME (Last, First, Middle Initial): Downing, Katie

b. TITLE: Prime Contract Manager

c. SIGNATURE

d. DATE SIGNED (YYYYMMDD)

8. PERFORMANCE DATA

WBS Lvl 7.PBS ITEM (1)	CURRENT PERIOD BUDGETED COST WORK SCHEDULED (2)	CURRENT PERIOD BUDGETED COST WORK PERFORMED (3)	CURRENT PERIOD ACTUAL COST WORK PERFORMED (4)	CURRENT PERIOD VARIANCE SCHEDULE (5)	CURRENT PERIOD VARIANCE COST (6)	CUMULATIVE TO DATE BUDGETED COST WORK SCHEDULED (7)	CUMULATIVE TO DATE BUDGETED COST WORK PERFORMED (8)	CUMULATIVE TO DATE ACTUAL COST WORK PERFORMED (9)	CUMULATIVE TO DATE VARIANCE SCHEDULE (10)	CUMULATIVE TO DATE VARIANCE COST (11)	REPROGRAMMING ADJUSTMENTS COST VARIANCE (12a)	REPROGRAMMING ADJUSTMENTS SCHEDULE VARIANCE (12b)	REPROGRAMMING ADJUSTMENTS BUDGET (13)	AT COMPLETION BUDGETED (14)	AT COMPLETION ESTIMATED (15)	AT COMPLETION VARIANCE (16)
RL-0011 Nuclear Mat Stab & Disp PFP	1,922	449	939	-1,473	-489	122,996	109,596	148,780	-13,400	-39,185	0	0	0	126,722	165,085	-38,363
RL-0013 Solid Waste Stab & Disp	11,777	10,253	9,402	-1,524	851	11,777	10,253	9,402	-1,524	851	0	0	0	120,627	120,004	624
RL-0030 Soil &Water Rem-Grndwtr/Vadose	7,543	6,173	4,981	-1,369	1,192	7,543	6,173	4,981	-1,369	1,192	0	0	0	69,835	69,803	32
RL-0040 Nuc Fac D&D - Remainder Hanfrd	7,285	6,048	5,650	-1,237	398	7,285	6,048	5,650	-1,237	398	0	0	0	56,600	58,045	-1,445
RL-0041 Nuc Fac D&D - RC Closure Proj	7,729	7,278	6,776	-451	502	7,729	7,278	6,776	-451	502	0	0	0	78,027	78,053	-26
RL-0042 Nuc Fac D&D - FFTF Proj	166	185	317	19	-132	166	185	317	19	-132	0	0	0	2,093	2,276	-182
RL-0201 Hanford Site-Wide Services	78	78	81	0	-3	78	78	81	-247	-3	0	0	0	736	1,196	-460
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	6,015	5,027	4,659	-988	367	27,413	24,505	29,269	-2,908	-4,763	0	0	0	76,428	81,795	-5,366
d. UNDISTRIBUTED BUDGET														0	0	0
e. SUBTOTAL	42,515	35,492	32,806	-7,023	2,686	184,987	164,117	205,257	-20,870	-41,140	0	0	0	531,068	576,255	-45,187
f. MANAGEMENT RESERVE														6,302		
g. TOTAL	42,515	35,492	32,806	-7,023	2,686	184,987	164,117	205,257	-20,870	-41,140	0	0	0	537,371		

9. RECONCILIATION TO CONTRACT BUDGET BASELINE

a. VARIANCE ADJUSTMENT																
b. TOTAL CONTRACT VARIANCE									-20,870	-41,140				537,371	576,255	-38,884

**CPR Format 1 displays fully burdened dollars which includes indirect G&A that is distributed to each Project.*

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 / 01 / 25
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER 89303921FEM400029		b. PHASE	b. TO *(YYYYMMDD)* 2021 / 02 / 21
	c. TYPE IDIQ	d. SHARE RATIO	c. EVMS ACCEPTANCE NO YES *(YYYYMMDD)* N/A	

5. PERFORMANCE DATA

WBS.Resp Org Group	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL	VARIANCE		BUDGETED COST		ACTUAL	VARIANCE					BUDGETED	ESTIMATED	VARIANCE
ITEM	WORK SCHEDULED	WORK PERFORMED	COST WORK PERFORMED	SCHEDULE	COST	WORK SCHEDULED	WORK PERFORMED	COST WORK PERFORMED	SCHEDULE	COST	COST VARIANCE	SCHEDULE VARIANCE	BUDGET			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)
C0 - CPCCo Program Manager	7	7	11	0	-4	7	7	11	0	-4	0	0	0	70	62	8
C1 - End States Strategy & Integ	698	707	417	8	290	698	707	417	8	290	0	0	0	6,592	6,724	-132
C2 - Inner Area End States	12,657	8,624	9,067	-4,034	-443	133,732	117,770	156,909	-15,962	-39,139	0	0	0	221,877	261,828	-39,950
C3 - Outer Area End States	7,729	7,278	6,784	-451	494	7,729	7,278	6,784	-451	494	0	0	0	78,027	78,061	-34
C4 - Waste Projects & Operations	7,865	7,677	6,895	-189	782	7,865	7,677	6,895	-189	782	0	0	0	78,239	77,991	249
C5 - Soil & Groundwater Operations	4,460	3,500	3,116	-960	384	4,460	3,500	3,116	-960	384	0	0	0	44,159	44,131	28
C6 - Regulatory Strategy & Integr	3,083	2,673	1,865	-410	808	3,083	2,673	1,865	-410	808	0	0	0	25,677	25,672	4
Resp Org Not Assigned	0	0	-8	0	8	0	0	-8	0	8	0	0	0	0	-8	8
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	6,015	5,027	4,659	-988	367	27,413	24,505	29,269	-2,908	-4,763	0	0	0	76,428	81,795	-5,366
d. UNDISTRIBUTED BUDGET														0	0	0
e. SUBTOTAL *(Performance Measurement Baseline)*	42,515	35,492	32,806	-7,023	2,686	184,987	164,117	205,257	-20,870	-41,140		0	0	531,068	576,255	-45,187
f. MANAGEMENT RESERVE														6,302		
g. TOTAL	42,515	35,492	32,806	-7,023	2,686	184,987	164,117	205,257	-20,870	-41,140	0	0	0	537,371		

RL-0011 Includes RL-011.C2-CAP from CHPRC BCWS = 142,472, BCWP = 128,635, and ACWP = 172,409

February 2021

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE		DOLLARS IN THOUSANDS	Form Approved OMB No. 0704-0188
1. CONTRACTOR Central Plateau Cleanup Company LLC b. LOCATION: Richland, WA	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: 2021/01/25 b. TO: 2021/02/21

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)
$175,000	$0	$175,000	$362,371	$537,371	$537,371	($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 — BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)

ITEM	BCWS CUM TO DATE	BCWS FOR REPORT PERIOD	SIX MONTH FORECAST +1 Mar-21	+2 Apr-21	+3 May-21	+4 Jun-21	+5 Jul-21	+6 Aug-21	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	UNDISTRIB BUDGET	TOTAL BUDGET
(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)	**142,472**	**2,107**	**97**	**7**	**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																			
BCR-CPC-21-001, Implementation Period Task Order PMB															**386,385**				**386,385**
BCR-CPC-21-002, Implementation Period Task Order Core Functions															**0**				**0**
BCR-CPC-21-003, Implement PFP CAP2 Project															**0**				**0**
c. PM BASELINE (END OF PERIOD)	**184,987**	**42,515**	**46,730**	**60,664**	**47,019**	**46,124**	**55,208**	**46,187**	**6,090**	**29,182**	**19,407**	**628**	**66,598**	**7,519**	**401,645**	**0**	**0**	**0**	**531,068**
7. MANAGEMENT RESERVE																			**6,302**
8. TOTAL																			**537,371**

RL-0011 Includes RL-011.C2-CAP from CHPRC BCWS = 142,472, BCWP = 128,635, and ACWP = 172,409

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)* 2021 / 01 / 25
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER 89303921FEM400029		b. PHASE	b. TO *(YYYYMMDD)* 2021 / 02 / 21
	c. TYPE IDIQ	d. SHARE RATIO	c. EVMS ACCEPTANCE [ ] NO [ ] YES *(YYYYMMDD)* N/A	

5. PERFORMANCE DATA

WBS.Resp Org Group ORGANIZATIONAL CATEGORY (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD *(Cumulative)* (3)	FORECAST *(Non-Cumulative)* SIX MONTH FORECAST BY MONTH *(Enter names of months)* +1 MAR-2021 (4)	+2 APR-2021 (5)	+3 MAY-2021 (6)	+4 JUN-2021 (7)	+5 JUL-2021 (8)	+6 AUG-2021 (9)	ENTER SPECIFIED PERIODS SEP-2021 (10)	OCT-2021 (11)	NOV-2021 (12)	DEC-2021 (13)	ATCOMPLETE (14)	AT COMPLETION (15)
C0 - CPCCo Program Manager	20	20	18	19	20	20	20	20	20	-	-	-	-	176
C1 - End States Strategy & Integ	76	76	89	92	97	97	97	97	96	-	-	-	-	666
C2 - Inner Area End States	440	5,456	535	490	497	513	527	503	473	119	93	5	-	8,753
C3 - Outer Area End States	284	284	370	364	365	367	370	368	354	10	4	-	-	2,571
C4 - Waste Projects & Operations	360	360	381	393	385	381	381	375	373	-	-	-	-	2,669
C5 - Soil & Groundwater Operations	179	179	171	177	180	184	187	181	170	7	7	6	1	1,271
C6 - Regulatory Strategy & Integr	65	65	95	83	81	87	90	91	82	0	0	0	-	610
C7 - ESH&Q	74	74	78	80	81	81	81	81	81	-	-	-	-	562
C8 - Chief Engineer	38	38	44	47	48	48	48	48	48	-	-	-	-	332
C9 - Business Services	79	79	79	80	90	95	95	96	95	-	-	-	-	630
g. TOTAL DIRECT	1,617	6,633	1,860	1,827	1,845	1,873	1,897	1,860	1,792	136	103	11	1	18,241

RL-0011 Includes RL-011.C2-CAP from CHPRC BCWS = 142,472, BCWP = 128,635, and ACWP = 172,409

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

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT

FORMAT 5 - Explanations and Problem Analysis

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) 2021/01/25
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER 89303921FEM400029		b. PHASE	b. TO (YYYYMMDD) 2021/02/21
	c. TYPE IDIQ	d. SHARE RATIO	c. EVMS ACCEPTANCE N/A NO YES	

	BCWS	BCWP	ACWP	SV in $	SV in %	CV in $	CV %	SPI	CPI
Current:	42,515	35,492	32,806	(7,023)	-16.5%	2,686	7.6%	0.83	1.08
Cumulative:	184,987	164,117	205,257	(20,870)	-11.3%	(41,140)	-25.1%	0.89	0.80
	BAC	**EAC**	**VAC in $**	**VAC in %**	**TCPI**				
At Complete:	531,068	576,297	(45,228)	-8.5%	0.99				

Explanation of Variance/Description of Problem:

Current Period Schedule and Cost Variance:

The current month (CM) negative schedule variance is made up of several large drivers, including the impact of weather conditions. At PFP, resumption activities began but demolition planned for the CM is not anticipated until April. At the W-135 Management of Cesium and Strontium Capsules project, the CSA construction was delayed due to conditions found during excavation. At CPRM/WARP, the demolition of the South Trailer Village was delayed due to a mechanical failure of the heavy equipment. Finally, at Soil and Groundwater Operations, geological conditions and mechanical issues have delayed well drilling.

The CM positive cost variance is primarily due to lower labor costs resulting from attrition and vacancies. At Soil and Groundwater Operations, costs were lower than planned due to operational efficiencies, usage based services and road maintenance. Additionally, IDF understated an accrual which will be corrected in the next reporting period. The positive cost variance was partially offset by unplanned activities at PFP in preparation for demolition resumption.

Cumulative Cost Variance: The variance is within reporting thresholds.

Impact:

Current Period Schedule: The current month schedule variance is not expected to impact the overall contract schedule.

Current Period Cost: Cost impacts are being estimated and will be incorporated in the project estimate to complete (ETC)

Cumulative Schedule: N/A

Cumulative Cost: N/A

Corrective Action:

Current Period Schedule: No corrective actions have been identified.

Current Period Cost: No corrective action necessary.

Cumulative Schedule: N/A

Cumulative Cost: N/A

Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):

CHPRC continues to track completion of the contract within budget. Currently, a variance at completion of -$45.2 million is projected. This is primarily due to the PFP capital asset performance data being carried from CHPRC. For February, the project was 16.5 percent behind schedule and 7.5 percent under planned cost. The contract to date performance data is different than the current period due to the PFP capital asset project.

There was no difference between the Contract Budget Base and the Total Allocated Budget on Format 3 for the month of February.

Contractually Required Cost, Schedule, EAC variance, Management Reserve Use

Variance in Performance BAC and EAC: The VAC between the BAC and EAC is 1$45.2 million, -8.5%.

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	$362,371.0
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	$362,371.0
	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
BCR-CPC-21-003	*Implement PFP CAP2 Project*	RL-0011	2021	$6,302.5K

Fee Activity

BCR Number	Title	PBS	Fiscal Year	Fee
BCR-CPC-21-001	*Implementation Period Task Order PMB*	RL-0013 RL-0039 RL-0041	2021	$12,500K

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	3/10/2021		

CPCCo
Central Plateau Cleanup Company
An Amentum, Fluor, Atkins LLC

Appendix B
Capital Asset Project

February 2021

CPCC-2021-02, Revision 0

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

CPCCo
Central Plateau Cleanup Company
An Amentum, Fluor, Atkins LLC

Appendix B
Capital Asset Project
RL-0011.C2 - Demolition of PFP Facilities

February 2021

CPCC-2021-02, Revision 0

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

SIGNIFICANT ACCOMPLISHMENTS

In February, the Plutonium Finishing Plant (PFP) Closure Project team performed the required surveillance and maintenance (S&M) activities in addition to completing the demolition and loadout of ancillary PFP structures, including MO605 and six laundry Conex containers. Heavy equipment maintenance and site set up activities began in the high contamination area in preparation for 236-Z demolition resumption in April. As required by DOE Order 413.3B, Program and Project Management for the Acquisition of Capital Assets, capital requirements determine scope, cost, and schedule baseline must be preserved to ensure proper reporting. The RL-0011.C2 project, from the previous contractor's Performance Measurement Baseline (PMB), has been incorporated into the CPCCo PMB, which includes budgeted cost of work scheduled in the amount of $144,683.3K.

MAJOR ISSUES

None currently identified.

KEY RISKS

Green	Opportunity is currently realized, or mitigation efforts are currently working toward or after risk trigger with no foreseeable impacts.	↑	Increased Confidence	New Risk
Yellow	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
Red	Risk is currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery action needed.	↓	Decreased Confidence	

	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0011				
Explanation of major changes to the project monthly stoplight chart: As this is the first reporting month of the Central Plateau Cleanup Company (CPCCo) contract. There are no major changes to the stoplight chart.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks identified in February.				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed.)				
No critical risks identified in February.				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
RL11 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. **Mitigation Action(s)** / **FC Date** / **%** Monitor and maintain adequate staffing levels to completed planned work scope. / Ongoing / N/A **Mitigation Assessment**: No major changes in February. 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.
RL11 PFP-00011-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. **Mitigation Action(s)** / **FC Date** / **%** Monitor and maintain adequate staffing levels to completed planned work scope. / Ongoing / N/A **Mitigation Assessment**: No major changes in February. 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.
FY2021 Key Risks				
No key risks identified in February.				
Unassigned Risks (Pending ownership of identified threats/opportunities)				
No unassigned risks identified in February.				

Critical Path Analysis

The PFP critical path schedule begins with the completion of Plutonium Reclamation Facility loadout, which is forecast to occur by July 20, 2021, meeting the requirements for 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 S&M and project closeout activities, completing by November 17, 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	7/31/2020		11/17/2021	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 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.

CPCCo
Central Plateau Cleanup Company
An Amentum, Fluor, Atkins LLC

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

February 2021

CPCC-2021-02, 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

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 / 01 / 25
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER 89303921FEM400029	b. PHASE	b. TO (YYYYMMDD) 2021 / 02 / 21
	c. TYPE IDIQ d. SHARE RATIO	c. EVMS ACCEPTANCE NO: X YES (YYYYMMDD): 2009 / 09 / 18	

5. CONTRACT DATA

a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK	d. TARGET PROFIT/FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING	i. DATE OF OTB/OTS (YYYYMMDD)
1	150,986	0	0	150,986	194,353	150,986	194,353	

6. ESTIMATED COST AT COMPLETION

	MANAGEMENT ESTIMATE AT COMPLETION (1)	CONTRACT BUDGET BASE (2)	VARIANCE (3)
a. BEST CASE	188,050		
b. WORST CASE	195,316		
c. MOST LIKELY	194,353	150,986	-43,367

7. AUTHORIZED CONTRACTOR REPRESENTATIVE

a. NAME (Last, First, Middle Initial): Downing, Katie

b. TITLE: Prime Contract Manager

c. SIGNATURE

d. DATE SIGNED (YYYYMMDD)

8. PERFORMANCE DATA

WBS Lvl 7.PBS WBS (2) / ITEM (1)	CURRENT PERIOD: BUDGETED COST WORK SCHEDULED (2)	CURRENT PERIOD: BUDGETED COST WORK PERFORMED (3)	CURRENT PERIOD: ACTUAL COST WORK PERFORMED (4)	CURRENT PERIOD: VARIANCE SCHEDULE (5)	CURRENT PERIOD: VARIANCE COST (6)	CUMULATIVE TO DATE: BUDGETED COST WORK SCHEDULED (7)	CUMULATIVE TO DATE: BUDGETED COST WORK PERFORMED (8)	CUMULATIVE TO DATE: ACTUAL COST WORK PERFORMED (9)	CUMULATIVE TO DATE: VARIANCE SCHEDULE (10)	CUMULATIVE TO DATE: VARIANCE COST (11)	REPROGRAMMING ADJUSTMENTS: COST VARIANCE (12a)	REPROGRAMMING ADJUSTMENTS: SCHEDULE VARIANCE (12b)	REPROGRAMMING ADJUSTMENTS: BUDGET (13)	AT COMPLETION: BUDGETED (14)	AT COMPLETION: ESTIMATED (15)	AT COMPLETION: VARIANCE (16)
RL-0011 Nuclear Mat Stab & Disp PFP																
11.05 Disposition PFP Facility	1,815	343	713	-1,473	-371	122,889	109,489	148,555	-13,400	-39,066	0	0	0	122,979	161,228	-38,249
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	292	57	123	-235	-66	21,690	19,535	24,732	-2,155	-5,197	0	0	0	21,704	26,823	-5,118
d. UNDISTRIBUTED BUDGET														0	0	0
e. SUBTOTAL	2,107	399	836	-1,708	-437	144,580	129,024	173,287	-15,555	-44,263	0	0	0	144,683	188,050	-43,367
f. MANAGEMENT RESERVE														6,302		
g. TOTAL	2,107	399	836	-1,708	-437	144,580	129,024	173,287	-15,555	-44,263	0	0	0	150,986		

9. RECONCILIATION TO CONTRACT BUDGET BASELINE

a. VARIANCE ADJUSTMENT																
b. TOTAL CONTRACT VARIANCE									-15,555	-44,263				150,986	188,050	-37,065

RL-0011 Includes RL-011.C2-CAP from CHPRC BCWS = 142,472, BCWP = 128,635, and ACWP = 172,409

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 / 01 / 25
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER 89303921FEM400029		b. PHASE	b. TO *(YYYYMMDD)* 2021 / 02 / 21
	c. TYPE IDIQ	d. SHARE RATIO	c. EVMS ACCEPTANCE NO YES *(YYYYMMDD)* N/A	

5. PERFORMANCE DATA

WBS.Resp Org Group	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL	VARIANCE		BUDGETED COST		ACTUAL	VARIANCE							
ITEM	WORK SCHEDULED	WORK PERFORMED	COST WORK PERFORMED	SCHEDULE	COST	WORK SCHEDULED	WORK PERFORMED	COST WORK PERFORMED	SCHEDULE	COST	COST VARIANCE	SCHEDULE VARIANCE	BUDGET	BUDGETED	ESTIMATED	VARIANCE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)
C2 - Inner Area End States	1,815	343	713	-1,473	-371	122,889	109,489	148,555	-13,400	-39,066	0	0	0	122,979	161,228	-38,249
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	292	57	123	-235	-66	21,690	19,535	24,732	-2,155	-5,197	0	0	0	21,704	26,823	-5,118
d. UNDISTRIBUTED BUDGET														0	0	0
e. SUBTOTAL *(Performance Measurement Baseline)*	2,107	399	836	-1,708	-437	144,580	129,024	173,287	-15,555	-44,263	0	0	0	144,683	188,050	-43,367
f. MANAGEMENT RESERVE														6,302		
g. TOTAL	2,107	399	836	-1,708	-437	144,580	129,024	173,287	-15,555	-44,263	0	0	0	150,986		

CLASSIFICATION (When Filled In)

February 2021

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE		DOLLARS IN THOUSANDS	Form Approved OMB No. 0704-0188
1. CONTRACTOR Central Plateau Cleanup Company LLC b. LOCATION: Richland, WA	2. CONTRACT a. NAME: Central Plateau Cleanup b. NUMBER: 89303921FEM400029 c. TYPE: IDIQ d. SHARE RATIO:	3. PROGRAM RL_0011_C2 PFP Demolition Capital Asset Project a. NAME: Central Plateau Cleanup Company LLC b. PHASE c. EVMS ACCEPTANCE NO YES N/A	4. REPORT PERIOD a. FROM: 2021/01/25 b. TO: 2021/02/21

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 — BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)

ITEM	BCWS CUM TO DATE	BCWS FOR REPORT PERIOD	SIX MONTH FORECAST +1 Mar-21	+2 Apr-21	+3 May-21	+4 Jun-21	+5 Jul-21	+6 Aug-21	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	UNDISTRIB BUDGET	TOTAL BUDGET
	(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)	**142,472**	**2,107**	**97**	**7**	**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																			
BCR-CPC-21-003, Implement PFP CAP2 Project																	**0**	**0**	**0**
c. PM BASELINE (END OF PERIOD)	**144,580**	**2,107**	**377**	**2,411**	**2,866**	**2,748**	**3,094**	**1,378**	**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**

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)* 2021 / 01 / 25
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER 89303921FEM400029		b. PHASE	b. TO *(YYYYMMDD)* 2021 / 02 / 21
	c. TYPE IDIQ	d. SHARE RATIO	c. EVMS ACCEPTANCE NO YES *(YYYYMMDD)* N/A	

5. PERFORMANCE DATA

WBS.Resp Org Group ORGANIZATIONAL CATEGORY (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD *(Cumulative)* (3)	FORECAST *(Non-Cumulative)* SIX MONTH FORECAST BY MONTH *(Enter names of months)* +1 MAR-2021 (4)	+2 APR-2021 (5)	+3 MAY-2021 (6)	+4 JUN-2021 (7)	+5 JUL-2021 (8)	+6 AUG-2021 (9)	ENTER SPECIFIED PERIODS SEP-2021 (10)	OCT-2021 (11)	NOV-2021 (12)	DEC-2021 (13)	ATCOMPLETE (14)	AT COMPLETION (15)
C2 - Inner Area End States	54	5,070	30	75	102	102	95	54	48	1	1	-	-	5,632
g. TOTAL DIRECT	54	5,070	30	75	102	102	95	54	48	1	1	-	-	5,632

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT

FORMAT 5 - Explanations and Problem Analysis

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 / 01 / 25
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER 89303921FEM400029		b. PHASE	b. TO (YYYYMMDD) 2021 / 02 / 21
	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:	2,107.1	399.3	836.3	-1,707.8	-81.0%	-437.0	-109.4%	0.19	0.48
Cumulative:	144,579.5	129,024.2	173,287.4	-15,555.3	-10.8%	-44,263.2	-34.3%	0.89	0.74
	BAC	EAC	VAC in $	VAC in %	TCPI to BAC	TCPI to EAC			
At Complete:	144,683.3	188,050.4	-43,367.1	-30.0%	0	1.06			

Explanation of Variance/Description of Problem:

Current Month Schedule Variance:

The negative current month schedule variance is due to delay in demolition resulting from CH2M HILL Plateau Remediation Company's delay resumption preparations. Demolition was planned for February but resumption planning and field activities needed in preparation for restarting demolition on April 04, 2021 did not commence until February. It is anticipated that once demolition begins, schedule recovery will resolve itself.

Current Month Cost Variance:

The current month cost variance is within thresholds.

Cumulative to Date Schedule Variance:

The negative cumulative schedule variance is due to delayed demolition activities at PFP. The Plutonium Reclamation Facility (PRF) load out was scheduled to resume in October 2020, however, due to the coronavirus pandemic, reliability of PPE was uncertain so resumption of demolition activities was delayed. Resumed demolition activities in February 2021 included completing the demolition and loadout of ancillary PFP structures, including MO605 and six laundry Conex containers. Heavy equipment maintenance and site set up activities also began in the high contamination area in preparation for PRF demolition currently scheduled to resume in April 2021.

Cumulative to Date Cost Variance:

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 234-5Z and 291-Z facilities took longer than originally assumed. Impacts associated with the Stop Work that was initiated by the HAMTC union leadership on November 11, 2017 "associated with concerns over events both inside and outside of the facility." The main issue involved employee proximity to radiological boundary areas during demolition. Radiological boundaries were reconfigured and impacted employees were relocated. As the project gets further into the demolition phase of the PRF Canyon, increased utilization of Personnel Protective Equipment to align with the original plan as well as increased material procurements to align with the scope being performed (i.e., P-100 filters, Labounty Shear, additional fixative, etc.) are also contributing to this variance. An adjustment to the General & Administrative (G&A) Rate for FY2017 resulted in a reduction to the Performance Measurement Baseline (PMB) of $463K. Finally, impacts from a contamination event that occurred on Friday, December 15, 2017, swing shift where RadCon personnel performing routine surveys following the day shift demolition activities discovered low level contamination on a cookie sheet. This led to a wider search, and a "speck" of contamination was smeared from a government vehicle. A CHPRC management stop work on demolition activities was declared and a critique held to discuss the contamination spread, possible causes, and path forward. A root cause analysis was conducted and resumption actions identified.

This is partially offset by recognized efficiencies associated with the removal of the 18 sections of the PRF gallery gloveboxes, progress on demolition of 236-Z, demolition of the 2727-Z and 2729-Z facilities, the 242-ZA and 242-Z facilities, the 291-Z facility, 291-Z stack, 234-5ZA, 252-Z1, 2503-Z, 2735Z, 2734ZA, ZB, ZC, ZD, and ZL facilities.

Impact:

Schedule Impact: Completion of all demolition activities followed by site stabilization and demobilization, turnover to surveillance and maintenance, and project closeout activities forecast to occur in November 2021. The TPA Milestone TPA-083-00A, complete PFP facility transition and selected disposition activities of November 30, 2017, was not met.

Cost Impact: A negative VAC is reflective of impacts associated with recovery efforts from a contamination event that occurred on December 15, 2017.

Corrective Action:

Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):

There was no change in the difference between the Contract Budget Base and the Total Allocated Budget on Format 3 for the month of February.

The following items are addressed, as applicable:

1. Schedule Margin Analysis: No drawdowns of schedule margin were made in the month of February.
2. Data dictionary Changes: No change in the month of February.
3. Forecast Schedule with No Baseline: No change in the month of February.
4. UB Balance: No change in the month of February.
5. Negative Actual Cost of Work Performed (ACWP): No change in the month of February.
6. Earned Actual Cost (EAC) Analysis: Best Case = $188,050; Most Likely = $194,353; Worst Case = $195,316. The Best Case EAC is the EAC reported this month, which assumes all efficiencies gained contract-to-date will remain at completion with no realization of remaining risks. The Most Likely EAC is the ACWP plus what management believes is the most likely outcome based on a knowledgeable estimate of all authorized work, known risks, unknown risks, and probable future conditions. The Worst Case EAC is the ACWP plus the ETC plus realization of all identified risks, plus the scope identified in the Trend Log. The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.
7. Negative CV > VAC: No change in the month of February.
8. Management Reserve Transactions: No management reserve transactions were made in the month of February.
9. Freeze Period Changes: No change in the month of February.
10. Retroactive Changes: No change in the month of February.
11. Earned Value Type Changes: No change in the month of February.

Prepared by:	Date:	Approved by:	Date:
Kerri Scott	3/9/2021		

CPCCo
Central Plateau
Cleanup Company
An Amentum, Fluor, Atkins LLC

Appendix C
Contract Funds Status Report

February 2021

CPCC-2021-02, 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

1. CONTRACT NUMBER	3. CONTRACT FUNDING FOR	5. PREVIOUS REPORT DATE	7. CONTRACTOR *(Name, address and zip code)*	9. INITIAL CONTRACT PRICE
89303921FEM400029	INC FOR FY2021	N/A	Central Plateau Cleanup Company LLC Richland, WA 99352	a. TARGET $187.5M b. CEILING $187.5M
2. CONTRACT TYPE	**4. APPROPRIATION**	**6. CURRENT REPORT DATE**	**8. PROGRAM**	**10. ADJUSTED CONTRACT PRICE**
CPAF	Energy	2021/01/25 - 2021/02/21	Implementation Period	a. TARGET b. CEILING

11. FUNDING INFORMATION

LINE ITEM/WBS ELEMENT a	APPRO-PRIATION IDENTI-FICATION b	FUNDING AUTHORIZED TO DATE c	ACCRUED EXPENDITURES OPEN COMMITMENTS TOTAL d	CONTRACT WORK AUTHORIZED			FORECAST			TOTAL REQUIRE-MENTS 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		6.1	1.1	7.5		7.5		12.6	12.6	20.1		20.1
RL-0013C		38.6	11.0	68.8		68.8		81.6	81.6	150.5		150.5
RL-0030		18.6	5.8	40.0		40.0		48.9	48.9	88.9		88.9
RL-0201		1.2	0.1	0.6		0.6		0.8	0.8	1.4		1.4
RL-0040		12.3	6.6	29.0		29.0		35.2	35.2	64.2		64.2
RL-0041		18.0	7.9	40.6		40.6		51.1	51.1	91.7		91.7
RL-0042		0.9	0.4	1.0		1.0		1.6	1.6	2.6		2.6
Total		95.7	32.8	187.5		187.5		231.9	231.9	419.4		419.4

12. CONTRACT WORK AUTHORIZED *(With Fee/Profit)* **- ACTUAL OR PROJECTED**

	ACTUAL TO DATE	2021/05/24								AT COMPLETION
a. OPEN COMMITMENTS										
b. ACCRUED EXPENDITURES	32.8	154.7								187.5
c. TOTAL *(12a + 12b)*	32.8	154.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	187.5
13. FORECAST OF BILLINGS TO THE GOVERNMENT										
14. ESTIMATED TERMINATION COSTS										

15. REMARKS

Initial Contract Price includes $12.5M of Award Fee.