

# MISSION SUPPORT ALLIANCE

"WE WILL MEASURE OUR SUCCESS BY OUR CUSTOMERS' SUCCESS"



# Monthly Performance Report January 2021

**R. H. Miller**  
**Closeout Office Project Director**

U.S. Department of Energy  
Contract DE-AC06-09RL14728



This page intentionally left blank.



## CONTENTS

### EXECUTIVE OVERVIEW

INTRODUCTION.....	1
1.1 Key Accomplishments.....	1
1.2 Look Ahead.....	7
2.0 ANALYSIS OF FUNDS.....	8
3.0 SAFETY PERFORMANCE.....	9
4.0 FORMAT 1, DD FORM 2734/1, WORK BREAKDOWN STRUCTURE .....	10
5.0 FORMAT 3, DD FORM 2734/3, BASELINE .....	14
6.0 RL-0020 AND SITE-WIDE SERVICES STATUS.....	16
7.0 RELIABILITY PROJECT STATUS .....	17
8.0 BASELINE CHANGE REQUEST LOG (BCR).....	22
9.0 PERFORMANCE EVALUATION AND MEASUREMENT PLAN (PEMP) SUMMARY.....	23
10.0 CONTRACT DELIVERABLES STATUS.....	26



This list of acronyms is intended as a reference for the reader to provide definitions that are not readily available away from the Hanford Site.

## TERMS

A&E	Architecture and Engineering
ALARA	As Low as Reasonably Achievable
AMB	Assistant Manager for Business and Financial Operations
AMMS	Assistant Manager for Mission Support
AMRP	Assistant Manager for River and Plateau
AMSE	Assistant Manager for Safety and Environment
ATP	Acceptable Test Procedures
BCR	Baseline Change Request
BPA	Bonneville Power Administration
BIO	Business Integration & Operations
CAS	Contractor Assurance Systems
CHRP	Cultural and Historic Resource Program
CHPRC	CH2MHILL Plateau Remediation Company
COVID-19	Coronavirus disease 2019
CPCCo	Central Plateau Cleanup Company
CTD	Cost-to-Date
CV	Cost Variance
DART	Days Away Restricted Transferred
DCN	Design Change Notice
DLA	Direct Labor Adder
DOE	U.S. Department of Energy
ECOLOGY	State of Washington, Department of Ecology
eDOC	Electronic Document Online Correspondence and Concurrence System
EIS	Environmental Integration Services
EM	Office of Environmental Management
EMP	Enhanced Maintenance Program
EOC	Emergency Operations Center
EQ	Environmental quality
ERDF	Environmental Restoration Disposal Facility
ES	Emergency Suspense Tracking and Routing System
ESTARS	Electronic Document
ESH&Q	Environment, Safety, Health, and Quality

# ACRONYMS LISTING



EU	Electrical Utilities
FY	Fiscal Year
FYTD	Fiscal Year to Date
GIS	Geographic Information System
GFS/I	Government-Furnished Services and Information
HAMMER	Volpentest Hazardous Materials Management and Emergency Response Training and Education Center
HCAB	Hanford Contract Alignment Board
HLAN	Hanford Local Area Network
HMAPS	Hanford Maps
HQ	Headquarters
HR	Human Resources
HRIP	Hanford Radiological Instrumentation Program
HSPD	Homeland Security Presidential Directive
ICWO	Inter-Contractor Work Order
IH	Industrial Hygiene
IM	Information Management
IIP	Integrated Investment Portfolio
IPT	Integrated Project Team
ISAP	Infrastructure and Services Alignment Plan
ISMS	Integrated Safety Management System
IT	Information Technology
LLTO	Lower Level Task Order
MOA	Memorandum of Agreement
MSA	Mission Support Alliance, LLC
MSC	Mission Support Contract
NEPA	National Environmental Policy Act
NOC	Network Operations Center
OCCB	Operational Change Control Board
OTP	Operational Test Procedures
ORP	Office of River Protection
OSHA	Occupational Safety and Health Administration
PFM	Portfolio Management
PFP	Plutonium Finishing Plant
PMB	Performance Measurement Baseline
PMTO	Portfolio Management Task Order
PNNL	Pacific Northwest National Laboratory

# ACRONYMS LISTING



PO	Presidents Office
POSP	Parent Organization Support Plan
PPE	Personal Protection Equipment
PTA	Patrol Training Academy
PRC	Plateau Remediation Company
PW	Public Works
RCI	Request for Clarification or Information
RES	Real Estate Services
RFS	Request for Service
RMB	Risk Management Board
ROD	Record of Decision
RHP	Risk Handling Plan
RL	Richland Operations Office
RPIP	Reliability Project Investment Portfolio
SAS	Safeguards & Security
SMI&A	Site Mission Integration & Analysis
SNM	Spent Nuclear Material
SS&IM	Site Services and Interface Management
SV	Scheduled Variance
T&CO	Training and Conduct of Operations
TRC	Total Recordable Case
UBS	Usage-Based Services
VAC	Variance at Completion
VoIP	Voice over Internet Protocol
VPP	Voluntary Protection Program
WBS	Work Breakdown Structure
WRPS	Washington River Protection Solutions, LLC



## INTRODUCTION

The Executive Overview section provides a top-level performance overview. Included herein are descriptions of the Mission Support Alliance, LLC (MSA) significant accomplishments considered to have made the greatest contribution toward safe, environmentally sound, and cost-effective, mission-oriented services; progress against the Mission Support Contract (MSC) with the U.S. Department of Energy (DOE) Richland Operations Office (RL); project cost summary analysis; and safety overview. Unless otherwise noted, all data provided is through January 2021.

### 1.1 KEY ACCOMPLISHMENTS

**MSA Coronavirus (COVID-19) Response** – During January 2021, MSA personnel continued to provide support for the numerous COVID-19 pandemic-related actions taking place. Some of these actions include:

- January 2021 weekly workforce coverage status reports to DOE-RL. Information includes essential, telework and absent full-time equivalent staff by week.
- January 2021 YTD support (UBS/Direct Labor Adder) support to Hanford contractors reflects \$32.7M actual cost to a \$31.3M baseline plan for a three percent variance. The unfavorable cost variance is due increased Information Technology services and hardware necessary to support the growth in Hanford teleworkers.
- MSA’s Site Mission Integration and Analysis (SMI&A) organization continued coordination of the COVID-19 Site Remobilization Tracking Tool and provided reporting metrics to the Hanford Site Remobilization Plan. The MSA team continues to present the COVID-19 Local and State data driven dashboard to DOE, using a Site Weekly COVID-19 tracking tool, and supporting Site input into the DOE Office of Energy Management (EM) requested COVID-19 weekly tracking tool.
- Emergency Management staff worked with MSA Information Management to create a new webpage for tracking facility restrictions due to COVID-19 disinfecting. This new webpage will eliminate the need to update the Hanford Mobile App for building restrictions. The Hanford Mobile App is activated daily for the COVID-19 case rollup.

**Despite the restrictions associated with COVID-19**, MSA made good progress in January in several work areas. Selected accomplishments are included as follows:

**Fire Department Training of New Officers** - Emergency Management Program staff conducted Hanford Fire Department (HFD) Emergency Management training for



five new HFD officers. Class attendees included the new Hanford Fire Chief, the Deputy Chief, and three new command staff members. Training provided attendees with an overview of Hanford Incident Command System, Hanford Site Emergency Management Plan and Emergency Plan implementing procedures, facility emergency response organization roles and responsibilities, Transportation Emergency Preparedness Program, and the Resource Conservation and Recovery Act.

**Secretary of Energy's Achievement Award** - Awarded in January 2021, recognition to *The Seattle Response and Recovery and Cs-137 Joint Investigation Teams* for the successful emergency response, recovery, stabilization, and investigation of the breached radioactive source event at the University of Washington's Harborview Research and Training Facility. MSA was a successful partner in the Response and Recovery Team's focused and efforts in responding to a radiological emergency at the facility. This included removing the breached radioactive source led the way for facility remediation efforts and minimized any harm or negative impacts to the public. The extensive investigative work performed by the Cs-137 Joint Investigation Team identified the underlying cause of the event and will help prevent recurrence of similar events in the future, as well as improve the efficiency and effectiveness of future radiological event responses.

**Utility Support to Demolition** - Engineering Change Request ECR-20-000396, "200W REDOX Disconnect Raw Water Connection To 293-S," was released. This action allows CHPRC/CPCCo to begin demolition of another legacy building in the S Plant complex.

**Gable Mountain Footprint Reduction** – MSA continued progress on the information technology (IT) footprint reduction at Gable Mountain East. To date, MSA shut down the Paging Repeater and GPS systems, as well as, the previously retired WiMAX systems. Additionally, the prep work and generator implementation at the 200E 2506E4 tower is complete awaiting the migration of the Radio Services Commercial Radio systems in early 2021. This represents approximately 50% of the IT systems power load at that facility.

**Nike Missile Launch Site Subsidence Stabilization** - Field work for the stabilization of the H-12-L Wahluke Nike Missile Launch subsidence site was completed on January 6, 2021. Installation of steel plates and rebar in five locations was completed, and a concrete mixture was poured over the steel plates and rebar. Crews completed the fieldwork by replacing and adding topsoil over the concrete pads. The site has been downposted, and a complete walk down was conducted on January 7, 2021.

**eDOCS Launched** - MSA completed retirement of the Electronic Suspense Tracking and Routing System (ESTARS), and launched the replacement DevonWay and



Electronic Document Online Correspondence and Concurrence System (eDOCS) applications for future Hanford Site document and correspondence control.

**Subcontract Assignment** - MSA's Acquisition Management Compliance organization distributed 112 assignment letters to companies who have subcontracts transferring to Hanford Mission Integration Solutions (HMIS).

**New Specialty Breathing Air Compressors** - Installation of the first of two new specialty breathing air compressors (BACs), as well as, electrical distribution and heating, ventilation, and air conditioning upgrades to the HFD air compressor building was completed. The new compressor replaces one that was beyond the expected operating life and will provide greater reliability and maintainability. This enhances HFD's ability to refill self-contained breathing apparatus (SCBA) cylinders in support of the other Hanford contractors.

**Hanford Site Traffic Safety Initiative** - Installation of aerial surveillance markers and signage are in process for Route 4 South and Route 10. Mile markers are complete and half-mile marker and sign installations are in progress. Four new portable speed signs have been placed at various locations on site to remind workers of the posted speed limit and their current speed. The speed trailers will be moved to locations on site throughout the year as needed. A radar unit with license plate recognition software and digital signage has been ordered for traffic safety-specific activities.

**WIN-911/Interactive** - The Systems Engineering Change Board (SECB) approved the use of WIN-911/Interactive for Project L-895, "Fire Protection Infrastructure for Plateau Raw Water." Although the approval does not authorize cloud service, critical alarms from the Industrial Control System (ICS) will be routed through WIN-911 to operator cell phones for acknowledgement via a text to voice feature and modem. This will reduce downtime and operational costs. This approval represents the culmination of significant efforts by several MSA organizations.

**Dosimetry Exchange** - Dosimetry Operations and External Dosimetry are currently processing the year-end dosimeter exchange. Most dosimeters at the Hanford Site are on annual exchange frequencies. Year-end doses are reported to DOE (using the Radiation Exposure Monitoring System) by the end of the first quarter of the year.

**Annual Hanford Seismic Report** – MSA completed and posted the fiscal year (FY) 2020 Hanford Seismic Report on the Pacific Northwest Seismic Network (PNSN) website: <https://www.pnsn.org/network/reports/eastern-washington-reports>

**ABCASH Software Replacement** - The Sample Management and Analytical Results Tracking (SMART) software has replaced the Automated Bar Coding of All Samples at

Hanford (ABCASH) and the Environmental Release Summary (ERS) software, and will be replacing the use of Sample Data Tracking (SDT) for the Hanford environmental surveillance and monitoring program. User Acceptance Testing (UAT) for the SDT functionality was initiated on January 7, 2021 and will be used to support a “Go Live” for the SDT media. Test cases have been prepared in the Microsoft Teams Foundation. The first Software Quality Assurance (SQA) hold point form, with test cases for this UAT, was approved by SQA on January 5, 2021.

**Gable Mountain Restoration Project** - Seeding for the Gable Mountain Restoration Project (photo enclosed) was completed on January 18, 2021. This project was initiated after a wildfire burned over 5,500 acres of mature sagebrush habitat on and around Gable Mountain in early summer of 2020. Restoring the area by seeding native grasses and sagebrush was necessary to prevent weeds from taking over the habitat and to help recover the sagebrush that the Hanford wildlife depends on. MSA procured over 75,000 pounds of native grass and sagebrush seed, which was seeded over the 5,500-acre area by helicopter between January 16-18, 2021. This project also supports future post-fire restoration planning at the Hanford Site.



**Waste Site Revegetation** - Revegetation of approximately 30 acres was completed for waste sites managed by MSA’s Long-Term Stewardship Program.

**High Chlorine Alarm Activation** - On January 7, 2021, an Event Coordination Team was activated to respond to an Abnormal Event (AE) for a 283-W “High Chlorine” alarm activation in the Patrol Operations Center, which resulted in declaring a “take cover” for the 200 West Area. The HFD responded and determined the alarm to be false, and subsequently terminated the event. All required notifications were completed by the emergency response team in accordance with established procedures.

**New Limited Areas at the Central Waste Compound** - Safeguards & Security assisted CHPRC in standing up a number of new Limited Areas at the Central Waste Compound. MSA worked to ensure the new areas were integrated into the existing security system, were fully operational and met all DOE requirements.



**Wye Barricade Upgrade** - A new emergency generator was placed into operation at the Wye Barricade. The new generator provides enhanced safety and reliability for the security personnel stationed at the barricade 24/7.

**High Capacity Fiber Project** - In FY 2019, MSA completed a sitewide fiber optic study outlining several significant “bottlenecks” in the fiber system backbone capacity from Richland to the Central Plateau. The effects of this capacity issue include lack of redundancy options for new system deployments (Waste Treatment Plant systems for example). This study was the basis for a number of projects completed in FY 2020, including successful legacy system grooming and implementation of Wave Division Multiplexing technologies providing stopgap capacity. In addition, the handling plan validated the need for the L-819, “High Capacity Fiber” project that will provide significant capacity/redundancy from Richland to the Site. January accomplishments for this project included initiation of the formal Cultural Ecological Review process, completion of formal risk elicitation and submittal of the site selection review. The design for the installation of the fiber will be performed under the Hanford Mission Essential Services Contract during FY 2021 with construction to follow.

**DOE Headquarters Tour** - MSA supported a Hanford tour by DOE Deputy Secretary Mark Menezes and DOE Under Secretary for Science, Paul M. Dabbar. MSA provided tour logistics, transportation and badging support.

**Counter Unmanned Aircraft System** - MSA Safeguards and Security (SAS) submitted the Counter Unmanned Aircraft System (CUAS) Security Plan for the Hanford Site to DOE-RL for approval. The plan contains the necessary controls to ensure the safe and secure integration of the Controlled use of Unmanned Aircraft operations into the Hanford Site security envelope.

**System Health and Status Reports** - The fiscal year 2021 first quarter updates of the system health and status reports for water, sewer, and electrical utilities were completed and transmitted to DOE for information. A total of nine reports were updated to address these key infrastructure systems.

**Hanford Virtual Tours Website** - MSA coordinated a public meeting in which DOE and the Hanford contractors unveiled a virtual tours website for the public. Approximately 560 people tuned in to the live event, with several favorable public comments received. Website design and preparation was initiated the summer of 2020.

**Incurred Cost Submissions (ICS) and Audit Responses** - MSA continues to work with DOE auditors in support of several on-going audits. MSA exited the FY 2017 and FY 2018 ICS audits with CohnReznick via teleconference and provided MSA responses to audit questions and data requests on January 21, 2021.



**Subcontractor Incurred Cost Audits** - MSA completed nine FY 2020 subcontractor incurred cost audits by January 24, 2021.

**MSC Closeout Office** - The DOE-RL Contracting Officer provided MSC Closeout Office startup authorization on January 13, 2021. Authorization included: 1) office moves to the Federal Building; 2) establishment of Closeout Office cost account charge numbers (CACNs); 3) initiation of Closeout operations effective January 25, 2021; and 4) \$500K initial funding. Office moves initiated on January 20, 2021, and completed February 2, 2021. Additionally, the Contracting Officer provided provisional approval of the FY 2021 Closeout Office planned labor rates and cost baseline for performance reporting.



## 1.2 LOOK AHEAD

MSC operations completed on January 24, 2021. Post-contract closeout activities began on January 25, 2021, as authorized by the DOE-RL Contracting Officer on January 13, 2021. The MSC Closeout Office has a two-year baseline plan as documented in Revision 4.1 of the Closeout Plan (MSA-1900332.22).

The following table summarizes the key Closeout activities for the next 60 days:

- Incremental Closeout Office funding.
- Deliver the FY 2020 Incurred Cost Submission (ICS) to DOE-RL.
- Deliver 7 Closeout Office deliverables to DOE-RL in February (see Section 10.0).

2.0 ANALYSIS OF FUNDS

Table 2-1. Mission Support Alliance, LLC Funds Management (dollars in thousands).

<b>MSA Funds Status - January 2021</b>					
<b>PBS</b>	<b>Scope Description</b>	<b>* FY21 IIP Expected Funding</b>	<b>** Funds Received</b>	<b>FYTD Actuals</b>	<b>Remaining Available Funds</b>
ORP-14	ORP - Hanford Lifecycle Baseline	\$ 47.9	\$ 47.9	\$ 24.7	\$ 23.2
RL-0020	Safeguards & Security	\$ 104,233.0	\$ 27,106.0	\$ 26,086.7	\$ 1,019.3
RL-0040	GSI and Spares Inventory	\$ 1,173.8	\$ 1,221.9	\$ 140.6	\$ 1,081.3
RL-0201	RP, HAMMER, B-Reactor	\$ 113,843.6	\$ 17,097.4	\$ 14,587.1	\$ 2,510.3
SWS	Site-Wide Services	\$ 236,717.6	\$ 73,113.1	\$ 71,566.5	\$ 1,546.6
<b>Total</b>		<b>\$ 456,015.9</b>	<b>\$ 118,586.3</b>	<b>\$ 112,405.6</b>	<b>\$ 6,180.7</b>

\* Expected Funding thru CBAG Rev 4 and Prior Year Uncosted Balances for the full FY 2021.

\*\* Funds received through Contract Mod 962 dated January 28, 2021.

EAC = Estimate at Completion

FYTD = Fiscal Year to Date.

SWS = Site-Wide Services.

HAMMER = Volpentest HAMMER Federal Training Center

PBS = Project Baseline Summary.



## 3.0 SAFETY PERFORMANCE

During the month of January 2021, MSA had no reported incidents that classified as “recordable.” As such, both the fiscal year 2021 total recordable case (TRC) and the days away, restricted or transferred (DART) rates are 0.0. These rates are below the DOE performance measurement baseline of 1.1 and .60, respectively. Three First Aid cases were recorded, which is lower than average for a given month. The three cases involved lifting and slips/trips/falls. MSA continued to emphasize winter hazard conditions and the potential effect on slip events.

During the month, MSA continued implementation of COVID-19 social distancing protocols such as office space reconfiguration, telework and managing stress.

4.0 FORMAT 1, DD FORM 2734/1, WORK BREAKDOWN STRUCTURE

Table 4-1. Format 1, DD Form 2734/1, Work Breakdown Structure.

CONTRACT PERFORMANCE REPORT													
FORMAT 1 - WORK BREAKDOWN STRUCTURE										DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188	
1. Contractor		2. Contract			3. Program			4. Report Period					
a. Name Mission Support Alliance		a. Name Mission Support Contract			a. Name Mission Support Contract			a. From (2020/12/21)					
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2021/01/24)					
		c. TYPE CPAF			d. Share Ratio			c. EVMS ACCEPTANCE No X Yes					
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					
N/A	\$4,678,859	\$0	\$254,325	\$4,933,184	\$4,817,197	N/A	N/A	N/A					
6. ESTIMATED COST AT COMPLETION						7. AUTHORIZED CONTRACTOR REPRESENTATIVE							
			CONTRACT BUDGET BASE (2)	VARIANCE (3)		a. NAME (Last, First, Middle Initial)			b. TITLE				
						Miller, Robert H.			MSC Closeout Project Director				
a. BEST CASE			\$4,678,859		c. SIGNATURE			d. DATE SIGNED					
b. WORST CASE			\$4,791,015		<i>Robert H. Miller</i>			2/11/2021					
c. MOST LIKELY			\$4,562,872										
8. PERFORMANCE DATA													
Item (1)	Current Period						Cumulative to Date				At Completion		
	Budgeted Cost		Actual Cost Work Performed (4)	Variance		Budgeted Cost		Actual Cost Work Performed (9)	Variance		Budgeted (12)	Estimated (13)	Variance (14)
	Work Scheduled (2)	Work Performed (3)		Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)		Schedule (10)	Cost (11)			
a. WORK BREAKDOWN STRUCTURE ELEMENT													
3001.01.01 - Safeguards and Security	5,653	5,641	5,945	(12)	(304)	706,693	706,693	694,793	(0)	11,900	706,693	694,793	11,900
3001.01.02 - Fire and Emergency Response	3,141	3,141	3,915	(0)	(774)	321,738	321,738	320,213	(0)	1,524	321,738	320,213	1,524
3001.01.03 - Emergency Management	347	347	409	0	(62)	51,442	51,442	51,267	(0)	175	51,442	51,267	175
3001.01.04 - HAMMER	778	778	775	0	3	86,857	86,857	84,620	(0)	2,237	86,857	84,620	2,237
3001.01.05 - Emergency Services Management	106	106	137	0	(31)	18,607	18,607	18,555	(0)	52	18,607	18,555	52
3001.02.01 - Site-Wide Safety Standards	88	88	75	0	12	10,456	10,456	10,907	(0)	(451)	10,456	10,907	(451)
3001.02.02 - Environmental Integration	293	293	327	0	(34)	61,786	61,786	60,809	(0)	977	61,786	60,809	977
3001.02.03 - Public Safety & Resource Protection	797	797	1,217	0	(420)	89,438	89,438	87,461	(0)	1,977	89,438	87,461	1,977
3001.02.04 - Radiological Site Services	0	0	0	0	(0)	5,117	5,117	5,129	0	(12)	5,117	5,129	(12)
3001.02.05 - WSCF Analytical Services	0	0	0	0	0	50,438	50,438	50,457	(0)	(19)	50,438	50,457	(19)
3001.03.01 - IM Project Planning & Controls	114	114	119	0	(5)	35,497	35,497	34,552	0	946	35,497	34,552	946
3001.03.02 - Information Systems	752	752	391	(0)	360	136,265	136,265	132,436	(0)	3,829	136,265	132,436	3,829
3001.03.03 - Infrastructure / Cyber Security	633	633	908	0	(275)	57,547	57,547	56,786	(0)	760	57,547	56,786	760
3001.03.04 - Content & Records Management	568	568	467	0	101	79,629	79,629	79,365	(0)	264	79,629	79,365	264
3001.03.05 - IR/CM Management	141	141	269	0	(128)	19,170	19,170	20,232	(0)	(1,062)	19,170	20,232	(1,062)
3001.03.06 - Information Support Services	148	148	130	0	17	17,166	17,166	17,068	(0)	98	17,166	17,068	98
3001.04.01 - Roads and Grounds Services	406	406	342	0	65	42,392	42,392	39,776	(0)	2,615	42,392	39,776	2,615
3001.04.02 - Biological Services	334	334	364	0	(30)	43,887	43,887	43,672	(0)	215	43,887	43,672	215
3001.04.03 - Electrical Services	1,778	1,778	1,636	0	142	150,472	150,472	145,245	(0)	5,227	150,472	145,245	5,227
3001.04.04 - Water/Sewer Services	1,480	1,480	1,574	0	(94)	157,933	157,933	155,050	(0)	2,883	157,933	155,050	2,883
3001.04.05 - Facility Services	0	0	0	0	0	7,900	7,900	7,900	(0)	(0)	7,900	7,900	0
3001.04.06 - Transportation	28	28	40	0	(11)	11,239	11,239	11,167	(0)	72	11,239	11,167	72

CONTRACT PERFORMANCE REPORT												FORM APPROVED	
FORMAT 1 - WORK BREAKDOWN STRUCTURE												OMB No. 0704-0188	
DOLLARS IN Thousands													
1. Contractor		2. Contract				3. Program			4. Report Period				
a. Name		a. Name				a. Name			a. From (2020/12/21)				
Mission Support Alliance		Mission Support Contract				Mission Support Contract							
b. Location (Address and Zip Code)		b. Number				b. Phase			b. To (2021/01/24)				
Richland, WA 99352		RL14728				Operations							
c. TYPE		d. Share Ratio				c. EVMS ACCEPTANCE							
CPAF						No X Yes							
Item (1)	Current Period					Cumulative to Date					At Completion		
	Budgeted Cost		Actual Cost Work Performed (4)	Variance		Budgeted Cost		Actual Cost Work Performed (9)	Variance		Budgeted (12)	Estimated (13)	Variance (14)
	Work Scheduled (2)	Work Performed (3)		Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)		Schedule (10)	Cost (11)			
a. WORK BREAKDOWN STRUCTURE ELEMENT (Cont'd)													
3001.04.07 - Fleet Services	0	0	0	0	0	7,322	7,322	7,322	0	0	7,322	7,322	(0)
3001.04.08 - Crane and Rigging	0	0	0	0	0	2,187	2,187	2,187	(0)	(0)	2,187	2,187	(0)
3001.04.09 - Railroad Services	6	6	12	0	(6)	791	791	716	(0)	75	791	716	75
3001.04.10 - Technical Services	853	853	1,008	0	(155)	59,712	59,712	61,066	(0)	(1,355)	59,712	61,066	(1,355)
3001.04.11 - Energy Management	117	117	125	0	(8)	14,265	14,264	13,809	(0)	455	14,265	13,809	455
3001.04.12 - Hanford Historic Buildings Preservation	321	321	236	0	85	29,805	29,805	27,423	0	2,383	29,805	27,423	2,383
3001.04.13 - Work Management	192	192	183	0	9	19,121	19,121	20,677	(0)	(1,555)	19,121	20,677	(1,555)
3001.04.14 - Land and Facilities Management	446	446	515	0	(69)	55,897	55,897	54,390	(0)	1,507	55,897	54,390	1,507
3001.04.15 - Mail & Courier	54	54	61	0	(8)	8,114	8,114	8,193	(0)	(79)	8,114	8,193	(79)
3001.04.16 - Property Systems/Acquisitons	609	609	626	(0)	(17)	72,445	72,445	70,739	(0)	1,705	72,445	70,739	1,705
3001.04.17 - General Supplies Inventory	0	0	92	0	(92)	2,240	2,240	2,093	(0)	146	2,240	2,093	146
3001.04.18 - Maintenance Management Program Implementation	73	73	76	0	(3)	11,827	11,827	11,721	0	107	11,827	11,721	107
3001.06.01 - Business Operations	692	692	1,197	(0)	(505)	74,345	74,345	72,748	0	1,597	74,345	72,748	1,597
3001.06.02 - Human Resources	267	267	299	0	(32)	32,428	32,428	29,941	(0)	2,487	32,428	29,941	2,487
3001.06.03 - Safety, Health & Quality	1,451	1,451	1,733	(0)	(282)	209,445	209,445	206,338	(0)	3,107	209,445	206,338	3,107
3001.06.04 - Miscellaneous Support	617	617	500	0	117	61,018	61,018	60,892	(0)	125	61,018	60,892	125
3001.06.05 - Presidents Office (G&A nonPMB)	0	0	60	0	(60)	1,333	1,333	638	0	695	1,333	638	695
3001.06.06 - Strategy	0	0	0	0	0	2,529	2,529	2,529	0	0	2,529	2,529	0
3001.07.01 - Portfolio Management	212	212	200	0	11	63,619	63,619	62,640	(0)	979	63,619	62,640	979
3001.08.01 - Water System	1,576	984	1,238	(592)	(254)	57,868	56,237	42,203	(1,631)	14,034	57,868	43,176	14,692
3001.08.02 - Sewer System	136	37	33	(98)	4	18,015	17,901	21,967	(114)	(4,066)	18,015	21,967	(3,952)
3001.08.03 - Electrical System	958	268	332	(690)	(64)	34,801	33,802	34,062	(999)	(260)	34,801	34,507	294
3001.08.04 - Roads and Grounds	68	331	548	263	(218)	11,731	11,686	10,963	(45)	723	11,731	10,987	744
3001.08.05 - Facility System	246	3,176	2,622	2,930	554	20,098	19,910	18,985	(188)	925	20,098	19,586	512
3001.08.06 - Reliability Projects Studies & Estimates	0	0	(80)	0	80	33,471	33,471	35,443	(0)	(1,972)	33,471	35,443	(1,972)
3001.08.07 - Reliability Project Spare Parts Inventory	40	40	(1)	0	41	5,721	5,721	3,559	0	2,161	5,721	3,559	2,161
3001.08.08 - Network & Telecommunications System	376	592	216	216	376	41,911	39,316	40,522	(2,594)	(1,206)	41,911	42,580	(1,150)
3001.08.09 - Capital Equipment Not Related to Construction	0	0	0	0	0	18,561	18,561	16,677	(0)	1,884	18,561	16,677	1,884
3001.08.10 - WSCF - Projects	0	0	0	0	0	979	979	810	0	169	979	810	169
3001.08.11 - Support of Infrastructure Interface to ORP	0	0	0	0	0	994	994	775	0	219	994	775	219
3001.08.12 - Reliability Projects Out Year Planning	0	0	0	0	0	0	0	0	0	0	0	0	0
3001.90.04 - MSA Transition	0	0	0	0	0	5,868	5,868	5,868	0	0	5,868	5,868	0
3001.90.08 - MSC Closeout Office Management	0	0	2	0	(2)	0	0	2	0	(2)	0	2	(2)
3001.B1.06 - Projects	0	0	0	0	0	(0)	(0)	0	(0)	(0)	(0)	0	(0)
b. COST OF MONEY													
c. GENERAL AND ADMINISTRATIVE													
d. UNDISTRIBUTED BUDGET													
											23,513	0	23,513
e. SUBTOTAL (Performance Measurement Baseline)													
26,892	28,909	30,871	2,017	(1,963)	3,140,128	3,134,557	3,075,360	(5,571)	59,196	3,163,642	3,079,460	83,700	

Table 4-1, cont. Format 1, DD Form 2734/1, Work Breakdown Structure

CONTRACT PERFORMANCE REPORT FORM 1 - WORK BREAKDOWN STRUCTURE													DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188	
1. Contractor		2. Contract			3. Program			4. Report Period								
a. Name Mission Support Alliance		a. Name Mission Support Contract			a. Name Mission Support Contract			a. From (2020/12/21)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2021/01/24)								
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No X Yes											
Item (1)	Current Period					Cumulative to Date					At Completion					
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance		Budgeted (12)	Estimated (13)	Variance (14)			
	Work Scheduled (2)	Work Performed (3)	Work Performed (4)	Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)	Work Performed (9)	Schedule (10)	Cost (11)						
<b>a2. WORK BREAKDOWN STRUCTURE ELEMENT</b>																
3001.01.04 - HAMMER	1,467	1,467	1,531	0	(64)	171,078	171,078	168,464	(0)	2,614	171,078	168,464	2,614			
3001.02.04 - Radiological Site Services	897	897	843	0	55	80,631	80,631	78,147	(0)	2,484	80,631	78,147	2,484			
3001.02.05 - WSCF Analytical Services	0	0	0	0	0	53,176	53,176	53,176	0	0	53,176	53,176	(0)			
3001.03.02 - Information Systems	304	304	189	0	115	13,909	13,909	13,374	0	535	13,909	13,374	535			
3001.03.04 - Content & Records Management	82	82	98	0	(16)	4,093	4,093	4,056	0	37	4,093	4,056	37			
3001.03.06 - Information Support Services	0	0	0	0	0	4,043	4,043	4,043	(0)	(0)	4,043	4,043	0			
3001.03.07 - Information Technology Services	2,070	2,070	3,421	0	(1,350)	148,241	148,241	150,318	(0)	(2,078)	148,241	150,318	(2,078)			
3001.04.05 - Facility Services	1,062	1,062	1,296	0	(234)	101,477	101,477	98,405	(0)	3,072	101,477	98,405	3,072			
3001.04.06 - Transportation	552	552	594	0	(42)	62,185	62,185	60,190	(0)	1,994	62,185	60,190	1,994			
3001.04.07 - Fleet Services	1,569	1,569	1,963	0	(395)	172,978	172,978	170,093	(0)	2,885	172,978	170,093	2,885			
3001.04.08 - Crane and Rigging	1,045	1,045	1,045	0	0	141,216	141,216	136,281	(0)	4,935	141,216	136,281	4,935			
3001.04.10 - Technical Services	231	231	158	0	74	13,506	13,506	12,253	0	1,253	13,506	12,253	1,253			
3001.04.13 - Work Management	62	62	57	0	5	5,335	5,335	5,229	0	107	5,335	5,229	107			
3001.04.14 - Land and Facilities Management	845	845	714	0	131	87,350	87,350	86,262	(0)	1,088	87,350	86,262	1,088			
3001.04.15 - Mail & Courier	21	21	24	0	(3)	2,049	2,049	1,990	0	59	2,049	1,990	59			
3001.06.01 - Business Operations	1,019	1,019	807	0	212	129,601	129,601	128,177	(0)	1,423	129,601	128,177	1,423			
3001.06.02 - Human Resources	346	346	299	0	48	37,712	37,712	36,616	(0)	1,096	37,712	36,616	1,096			
3001.06.03 - Safety, Health & Quality	182	182	121	0	62	18,295	18,295	17,083	0	1,212	18,295	17,083	1,212			
3001.06.04 - Miscellaneous Support	304	304	231	0	73	23,387	23,387	24,135	(0)	(748)	23,387	24,135	(748)			
3001.06.05 - Presidents Office (G&A nonPMB)	328	328	153	0	175	33,454	33,454	32,735	(0)	719	33,454	32,735	719			
3001.06.06 - Strategy	22	22	10	0	12	3,436	3,436	3,241	0	195	3,436	3,241	195			
3001.A1.01 - Transfer - CHPRC	5,935	5,935	6,603	0	(667)	822,459	822,459	797,014	(0)	25,446	822,459	797,014	25,446			
3001.A1.02 - Transfer - WRPS	4,378	4,378	4,619	0	(241)	409,564	409,564	400,974	(0)	8,590	409,564	400,974	8,590			
3001.A1.03 - Transfers - FH Closeout	0	0	0	0	0	228	228	228	(0)	0	228	228	0			
3001.A1.04 - Transfers - CHG Closeout	0	0	0	0	0	13	13	13	0	0	13	13	0			
3001.A2.01 - Non Transfer - BNI	40	40	126	0	(86)	4,295	4,295	4,894	0	(598)	4,295	4,894	(598)			
3001.A2.02 - Non Transfer - AMH	0	0	0	0	0	954	954	954	(0)	(0)	954	954	(0)			
3001.A2.03 - Non Transfer - ATL	0	0	0	0	0	702	702	702	(0)	0	702	702	0			
3001.A2.04 - Non-Transfer - WCH	0	0	0	0	0	41,019	41,019	41,726	(0)	(707)	41,019	41,726	(707)			
3001.A2.05 - Non-Transfers - HPM	57	57	64	0	(8)	4,373	4,373	4,276	0	97	4,373	4,276	97			
3001.A2.06 - Non-Transfers - BNI Corp	0	0	0	0	0	7	7	1	0	6	7	1	6			
3001.A2.07 - Non-Transfers-WAI	28	28	29	0	(1)	1,773	1,773	1,768	0	5	1,773	1,768	5			
3001.A4.01 - Request for Services	629	629	444	0	185	126,306	126,306	126,536	(0)	(230)	126,306	126,536	(230)			
3001.A4.02 - HAMMER RFSS	157	157	185	0	(27)	36,998	36,998	37,516	0	(518)	36,998	37,516	(518)			
3001.A4.03 - National Guard RFSS	0	0	0	0	0	1,550	1,550	1,550	0	0	1,550	1,550	0			
3001.A4.04 - PNNL RFSS	38	38	254	0	(216)	13,163	13,163	13,275	0	(112)	13,163	13,275	(112)			
3001.A5.01 - RL PD	17	17	7	0	10	6,902	6,902	6,803	0	100	6,902	6,803	100			
3001.A5.02 - ORP PD	57	57	45	0	12	9,649	9,649	9,246	0	403	9,649	9,246	403			

Table 4-1, cont. Format 1, DD Form 2734/1, Work Breakdown Structure

CONTRACT PERFORMANCE REPORT													DOLLARS IN Thousands			FORM APPROVED OMB No. 0704-0188	
FORMAT 1 - WORK BREAKDOWN STRUCTURE																	
1. Contractor		2. Contract				3. Program				4. Report Period							
a. Name		a. Name				a. Name				a. From (2020/12/21)							
b. Location (Address and Zip Code)		b. Number				b. Phase				b. To (2021/01/24)							
Richland, WA 99352		c. TYPE				d. Share Ratio				c. EVMS ACCEPTANCE							
Item (1)	Current Period						Cumulative to Date					At Completion					
	Budgeted Cost		Actual Cost		Variance		Budgeted Cost		Actual Cost		Variance		Budgeted (12)	Estimated (13)	Variance (14)		
	Work Scheduled (2)	Work Performed (3)	Work Performed (4)	Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)	Work Performed (9)	Schedule (10)	Cost (11)							
3001.A5.03 - RL Project Funded	417	417	836	0	(419)	24,172	24,172	24,175	(0)	(3)	24,172	24,175	(3)				
3001.A5.04 - ORP Project Funded	252	252	117	(0)	135	10,507	10,507	9,458	0	1,048	10,507	9,458	1,048				
3001.A6.01 - Portfolio PMTOs	0	0	0	0	0	1,102	1,102	1,102	0	(0)	1,102	1,102	(0)				
3001.A7.01 - G&A Liquidations	(2,433)	(2,433)	(1,159)	0	(1,273)	(261,098)	(261,098)	(255,052)	(0)	(6,046)	(261,098)	(255,052)	(6,046)				
3001.A7.02 - DLA Liquidations	(2,000)	(2,000)	(2,286)	0	287	(181,808)	(181,808)	(175,346)	0	(6,462)	(181,808)	(175,346)	(6,462)				
3001.A7.03 - Variable Pools Revenue	(7,976)	(7,976)	(9,044)	0	1,068	(865,352)	(865,352)	(853,259)	0	(12,094)	(865,352)	(853,259)	(12,094)				
3001.B1.01 - UBS Assessments for Other Providers	0	0	0	0	0	0	0	0	0	0	0	0	0				
3001.B1.02 - UBS Other MSC - HAMMER M&O	0	0	0	0	0	(0)	(0)	0	(0)	(0)	(0)	0	(0)				
3001.B1.03 - Assessment for Other Provided Services	0	0	0	0	0	(0)	(0)	0	(0)	(0)	(0)	0	(0)				
3001.B1.04 - Assessment for PRC Services to MSC	0	0	0	0	0	(0)	(0)	0	(0)	(0)	(0)	0	(0)				
3001.B1.07 - Request for Services	0	0	0	0	0	(0)	(0)	0	(0)	(0)	(0)	0	(0)				
a2. WORK BREAKDOWN STRUCTURE ELEMENT																	
b2. COST OF MONEY																	
c2. GENERAL AND ADMINISTRATIVE											0	0	0				
d2. UNDISTRIBUTED BUDGET											0	0	0				
e2. SUBTOTAL (Non - Performance Measurement Baseline)	12,006	12,006	14,391	(0)	(2,384)	1,514,626	1,514,626	1,482,821	(0)	31,805	1,514,626	1,482,821	31,805				
f. MANAGEMENT RESERVE											591	591	0				
g. TOTAL	38,898	40,915	45,262	2,017.2	(4,347)	4,654,754	4,649,183	4,558,181	(5,571)	91,002	4,678,859	4,562,872	115,506				
9. RECONCILIATION TO CONTRACT BUDGET BASE																	
a. VARIANCE ADJUSTMENT																	
b. TOTAL CONTRACT VARIANCE																	

5.0 FORMAT 3, DD FORM 2734/3, BASELINE

Table 5-1. Format 3, DD Form 2734/3, Baseline

CONTRACT PERFORMANCE REPORT															FORM APPROVED			
FORMAT 3 - BASELINE															OMB No. 0704-0188			
DOLLARS IN Thousands																		
<b>1. Contractor</b>			<b>2. Contract</b>				<b>3. Program</b>				<b>4. Report Period</b>							
a. Name			a. Name				a. Name				a. From (2020/12/21)							
Mission Support Alliance			Mission Support Contract				Mission Support Contract											
b. Location (Address and Zip Code)			b. Number		b. Phase				b. To (2021/01/24)									
Richland, WA 99352			RL14728		Operations													
			c. TYPE		d. Share Ratio		c. EVMS ACCEPTANCE											
			CPAF				No X Yes											
<b>5. CONTRACT DATA</b>																		
a. ORIGINAL NEGOTIATED COST			b. NEGOTIATED CONTRACT CHANGES		c. CURRENT NEGOTIATED COST (a+b)		d. ESTIMATED COST OF UNAUTHORIZED UNPRICED WORK				e. CONTRACT BUDGET BASE (C+D)		f. TOTAL ALLOCATED BUDGET		g. DIFFERENCE (E - F)			
\$2,854,966			\$1,823,893		\$4,678,859		\$0				\$4,678,859		\$4,678,859		\$0			
h. CONTRACT START DATE			i. CONTRACT DEFINITIZATION DATE				j. PLANNED COMPLETION DATE				k. CONTRACT COMPLETION DATE		l. ESTIMATED COMPLETION DATE					
2009/05/24			2009/05/24				2021/01/24				2021/01/24		2021/01/24					
<b>6. PERFORMANCE DATA</b>																		
ITEM	BCWS CUMULATIVE TO DATE	BCWS FOR REPORT PERIOD	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)															
			Six Month Forecast By Month							Remaining Forecast By Month							UNDISTRIBUTED BUDGET	TOTAL BUDGET
			FEB FY21	MAR FY21	APR FY21	MAY FY21	JUN FY21	JUL FY21	JUL FY21	AUG FY21	NOV FY21	DEC FY21	JAN FY22					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)			
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	3,113,236	26,892	0	0	0	0	0	0	0	0	0	0	0	0	23,732	3,163,860		
b. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	26,892	(26,892)	0	0	0	0	0	0	0	0	0	0	0	0	(218)	(218)		
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	3,140,128	0	0	0	0	0	0	0	0	0	0	0	0	0	23,513	3,163,641		

Table 5-1, cont. Format 3, DD Form 2734/3, Baseline

DOLLARS IN Thousands															FORM APPROVED OMB No. 0704-0188			
1. Contractor			2. Contract			3. Program			4. Report Period									
a. Name Mission Support Alliance			a. Name Mission Support Contract			a. Name Mission Support Contract			a. From (2020/12/21)									
b. Location (Address and Zip Code) Richland, WA 99352			b. Number RL14728			b. Phase Operations			b. To (2021/01/24)									
c. TYPE CPAF			d. Share Ratio			c. EVMS ACCEPTANCE No X Yes												
6. PERFORMANCE DATA																		
ITEM  (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)															
			Six Month Forecast By Month							Remaining Forecast By Month							UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)
			FEB FY21 (4)	MAR FY21 (5)	APR FY21 (6)	MAY FY21 (7)	JUN FY21 (8)	JUL FY21 (9)	JUL FY21 (10)	AUG FY21 (11)	NOV FY21 (12)	DEC FY21 (13)	JAN FY22 (14)					
a2. NON - PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	1,502,620	12,006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,514,626	
b2. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	12,006	(12,006)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
c2. NON - PERFORMANCE MEASUREMENT BASELINE (End of Period)	1,514,626	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,514,626	
7. MANAGEMENT RESERVE																	591	
8. TOTAL	4,654,754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23,513	4,678,859	



## 6.0 RL-0020 AND SITE-WIDE SERVICES STATUS

### RL-0020 – Safeguards and Security

- For the month of January, this PBS incurred a \$588K negative cost variance against a \$6,244K baseline plan (9%). The key drivers are as follows:
  - Protective Forces (3001.01.01) - \$304K unfavorable cost variance is primarily due to labor variances driven by increased HGU wages and actual staff work performance, which was higher than the FY 2021 realization calendar (less absence time). The implemented baseline consists of pre-COVID-19 costs, which were not inclusive of the 1.5% retroactive raise or 3.3% FY 2021 raise paid to HGU members.
  - Unclassified Computer Security/Cyber (3001.03.03) – This \$275K overrun was due to the payment of the final Dragos ICS Threat Detection invoice (contract 73564) as well as support to the SolarWinds data breach investigation. The budget was level loaded for materials and subcontracts, which caused the overrun for Dragos, and the SolarWinds investigation included labor resources outside of Cyber, and overtime hours.
- The RL-0020 fiscal-year-to-date cost variance, not including fee, is a favorable \$2.1M due primarily to delayed construction contract awards in Project L-921, *Telecom Hut at the Met Tower*, and Project L-919, *Emergency Radio Upgrade*.

### Site-Wide Services (SWS)

- For the month of January, SWS incurred a \$1.9M unfavorable cost variance against a \$16.2M baseline plan (12%). The key drivers were as follows:
  - Fire and Emergency Response (3001.01.02) - \$774K monthly cost variance due to labor overruns. The primary labor overruns occurred due to the HFD and Fire Systems Maintenance achieving full staffing levels, the time-phasing of platoon firefighter support and an increase in custodial support required to meet COVID-19 sanitation protocols for the fire stations, which are staffed 24/7.
  - Public Safety & Resource Protection (3001.02.03) - \$420K unfavorable monthly cost variance is primarily due to a large volume of subcontractor field samples during January.
  - Business Operations (3001.06.01) - \$505K unfavorable monthly cost variance is due primarily to COVID-19 budget planned only through



November 25, 2020. Additionally, the purchase of Acumen Site licenses was not included in the monthly budget (timing difference).

- Safety, Health and Quality (3001.06.03) – \$282K unfavorable monthly cost variance is primarily due to higher actual staff than budgeted.
- The SWS fiscal-year-to-date cost variance, not including fee, is a favorable \$1.7M due primarily to no incurred personnel severance cost and an underrun in Business Management System operations.

## 7.0 RELIABILITY PROJECT STATUS

Activity in January 2021 was centered on continuing progress on projects carried over from FY 2020.

### Reliability Projects Variance Explanations

#### Current Month Schedule Variance:

**-\$591.62K 3001.08.01 Water System** – The unfavorable CM SV is primarily due to two projects:

- Project L-850, *Replace 200W 1.1M-gal PW Tank*, due to delayed receipt of fabricated items including pumps, variable frequency drives (VFDs), heater, and valves. These items were planned to be received during the current period, but are now forecasted to be received in future fiscal months due to fabrication delays from the construction subcontractor.
- Project L-897, *Central Plateau Water Treatment Facility*, due to the construction subcontractor's progress on long lead procurements (pre-engineered metal building, emergency diesel generator, air handling unit, and air conditioning unit). Delays in receiving, and therefore approving, long lead procurement submittals from the subcontractor has delayed progress. Submittal delays related to long lead procurement items are not anticipated to impact downstream fieldwork activities.

**-\$98.39K 3001.08.02 Sewer System** – The unfavorable CM SV is primarily due to Project L-854, *200E Sewer Consolidations*, walkdown/punchlist and demobilization activities not being performed in January, as planned. The walkdown/punchlist is forecasted to occur after Feb. 12, 2021, as this was the previous expected completion date of the environmental quality (EQ) decommissioning effort. That approach allowed for the alignment of one meeting for both L-853 & L-854, mitigating COVID-19 exposure.



**-\$690.22K 3001.08.03 Electrical System** – The unfavorable CM SV is primarily due to three projects:

- H-006, *10 CFR 851*, due to Outage #4 not occurring as planned. Outage #4 was to occur in the 400 Area, consisting of four MSA buildings. The power that supplies these buildings comes from an old island of cabinets that has not been operated in years. The project team is working on three options to fix this issue and move forward with outage in the upcoming months (tentatively scheduled for April timeframe).
- L-789, *Priority T&D Sys Wood PP Test & Replace*, due to not performing the underground cable replacement and corridor preparation that was planned to occur in January. The vendor did not receive the materials needed in time to perform the work in the current period and therefore delayed execution of the work.
- L-861, *Single-Circuit Distribution Pole Replace*, driven by work planned this period that was completed in a prior period, specifically the 30 percent design comment disposition and approval along with progress towards the 60 percent design.

**+\$263.04 3001.08.04 - Roads and Grounds** - The favorable CM SV resulted from Project L-603, *Chip Seal Route 3N (Route 11A to Route 3)*, completing the remaining fieldwork activity related to the cancelled construction subcontract. This activity held the budget for materials purchased in support of chip sealing Route 3N (Route 11A to Route 3). The activity was planned for October 2020, but completed in the current period.

**+\$2,930.20K 3001.08.05 Facility System** - The favorable CM SV resulted from Project L-933, *Install Mobile Office Trailers - 200E*, performing work in the current period that was planned in previous periods. The budgeted cost of work scheduled (BCWS) was planned in November but construction and installation work continued into December and January. The project remains behind schedule but is recovering as documented in the CM BCWP reducing the Fiscal Year (FY) and Contract to date SV values respectively as compared to December data.

**+\$216.14K 3001.08.08 Network & Telecommunications System** – The favorable CM SV resulted from Project L-934, *MSC Office Space Gap Reduction - 200E*, due to receiving mobile office trailers in a different period than planned. They were scheduled to arrive in November in the baseline, but did not arrive on site until January 14, 2021.

## Current Month Cost Variance:

**-\$254.33K 3001.08.01 Water System** – The unfavorable CTD CV is due to three projects:



- Project L-850, *Replace 200W 1.1M-gal PW Tank*, primarily due to increased engineering during procurement/construction support by the A/E compared to planning assumptions for the current period in order to address Design Change Notices (DCNs) and Request for Clarification or Information (RCIs).
- Project L-895, *Fire Protection Infrastructure for PRW*, due to increased engineering during construction support by the A/E compared to planning assumptions for the current period in order to address DCNs and RCIs.
- L-897 *Central Plateau Water Treatment Facility* due to a Request for Equitable Adjustment (REA) from the A/E related to support provided late in the design effort to answer RCIs from Pall regarding the membrane system design which necessitated redesign and re-work prior to submitting final design documents.

In addition, completed projects:

- Project L-449, *Mortar Line 12-in Water Line – Baltimore*. The variance in this account is due to the approved funding and priority list scope being divergent from the baseline.
- Project L-419, *Line Renovation/Replacement from 2901U to 200E* had a fixed price contract that was awarded/completed at a lower cost than budgeted.
- Project L-840, *24in Line Replacement from 2901Y to 200W* had savings on construction subcontracts due to the contractor's expertise in this type of construction and encountering significantly less difficult site conditions.
- Projects L-399, *T-Plant Potable & Raw Water Line Rest*, and L-525, *24-inch Line Replacement from 2901Y to 200W*, and L-311, *Refurbish 200W Raw Water Reservoir* experienced savings on materials and fixed price construction contracts.

**\$554.25K 3001.08.05 - Facility System** – The favorable CTD CV is primarily due to Project L-934, *MSC Office Space Gap Reduction - 200E*, receiving mobile office trailers for less cost than planned. Original value was set at \$2.43M based on the original cost estimate and the competitive low bid was \$1.56M.

**\$376.22K 3001.08.08 - Network & Telecommunications System** – The favorable CTD CV is primarily due to Project L-937, *Gable East Footprint Reduction (Phase 1)*, continued efficiencies in equipment configuration that resulted from the additional upfront planning efforts, reducing labor hours required on ECRs and work package preparation.



## Cumulative Schedule Variance:

**-\$1.630.54K 3001.08.01 Water System** – Unfavorable CTD SV is primarily due to Project L-897, *Central Plateau Water Treatment Facility*, delay in awarding the Membrane and Processing Equipment subcontract. The membrane subcontract was originally planned to be awarded during September FY 2020 with manufacturing activities starting in September FY 2020. This subcontract is now expected to be awarded during February FY 2021 due to delays incurred from a request to extend the proposal due date, additional time needed to validate assumptions and exceptions, and negotiate terms and conditions for this technical and complex procurement. In addition, the membrane subcontract cannot be awarded until the now required Critical Decision (CD)-0 package is approved.

**-\$113.72K 3001.08.02 - Sewer System** – Unfavorable CTD SV is primarily due to Project L-854, *200E Sewer Consolidations*, walkdown/punchlist and demobilization activities not being performed in January, as planned. The walkdown/punchlist is forecasted to occur after Feb. 12, 2021, as this was the previous expected completion date of the EQ decommissioning effort. That approach allowed for the alignment of one meeting for both L-853 & L-854, mitigating COVID-19 exposure.

**-\$999.46K 3001.08.03 Electrical System** – Unfavorable CTD SV is primarily due to two projects:

- H-006, *10 CFR 851*, due to Outage #4 not occurring as planned. Outage #4 was to occur in the 400 Area, consisting of four MSA buildings. The power that supplies these buildings comes from an old island of cabinets that has not been operated in years. Project team is working on three options to fix this issue and move forward with outage in the upcoming months (tentatively scheduled for April timeframe now).
- L-789, *Priority T&D Sys Wood PP Test & Replace*, due to a point adjustment for construction (subcontractor) scope that was impacted as a result of the initial COVID-19 related stop work, additional PPE required, and incorporation of management directive measures. Implementation of BCR VMSA-21-007 revised BCWS through October 2020 and re-planned the remaining scope including corridor work scope for the L-789 project. This BCR was implemented in response to DOE-RL request to reflect progress to date for all ongoing projects that have outstanding realized risks/COVID-19 impacts and align the FY 2021 RP baseline plan with revised CBAG Rev 4.



These are partially offset by the favorable CTD SV in Project L-861, *Single-Circuit Distribution Pole Replace*, due to receiving and completing the 30 percent design media and performing succeeding activities ahead of schedule. The project baseline was revised and structured in November's contract extension BCR to maintain an agreeable level of confidence throughout the entire design phase.

**-\$188.02K 3001.08.05 Facility System** – Unfavorable CTD SV resulted from Project L-934, *MSC Office Space Gap Reduction - 200E*, due to the delayed delivery of the mobile office trailers, which were scheduled to arrive in November in the baseline. The manufacturer identified that specified electrical panels were not immediately available and proposed to substitute electrical panels. The project made a decision to allow the manufacturer to defer delivery in order to receive and install the as-specified electrical panels. Delivery was rescheduled for December and is not on the project critical path. The trailers did arrive in the vendor's Richland facility in December, but delivery was further delayed until January as inspection resources were not available during the holiday season. Fiscal year to date and contract to date negative SV will be significantly reduced after receipt of the trailers.

**-\$2,594.74K 3001.08.08 Network Telecommunication System** – Unfavorable CTD SV resulted from Project L-919, *Emergency Radio Upgrade*, not receiving core materials (\$1.6 M) that were baselined to arrive in October. This is due to the 7-month delay getting a service contract awarded. Materials are expected to arrive in late March.

### **Cumulative Cost Variance:**

**\$14,034.2K 3001.08.08 Network Telecommunication System** – The favorable CTD CV is due to the following projects:

- Project L-894, Raw Water Cross Connect Isolation 200E/W. Engineering Study report cost less than planned (\$176K), conceptual design utilizing less resources than originally planned (\$110K), the Definitive Design cost underrun. (\$256K), and due to the firm fixed price construction contract being awarded at less than the planned value (\$636K)
- Project L-826, 181B Vertical Turbine Pumps, the conceptual Design contract value was awarded for less than the original estimate.

In addition, completed projects include:



- Project L-449, Mortar Line 12-in Water Line – Baltimore. The variance in this account is due to the approved funding and priority list scope being divergent from the baseline.
- Project L-419, Line Renovation/Replacement from 2901U to 200E had a fixed price contract that was awarded/completed at a lower cost than budgeted.
- Project L-840, *24in Line Replacement from 2901Y to 200W* had savings on construction subcontracts due to the contractor's expertise in this type of construction and encountering significantly less difficult site conditions.
- Projects L-399, *T-Plant Potable & Raw Water Line Rest*, and L-525, *24-inch Line Replacement from 2901Y to 200W*, and L-311, *Refurbish 200W Raw Water Reservoir* experienced savings on materials and fixed price construction contracts.

## 8.0 BASELINE CHANGE REQUEST LOG (BCR)

### Baseline Change Request Log for January

No Baseline Change Requests (BCRs) were processed in January 2021



## 9.0 PERFORMANCE EVALUATION AND MEASUREMENT PLAN (PEMP) SUMMARY

Table 9-1. PEMP Dashboard Summary

Deliverables		YTD
<b>1.0 Effective Site Cleanup - Achievement of cleanup contractors' key milestones and regulatory commitments</b>		
	Demonstrate that the following performance measure targets were met.	
a	Biological Controls – Pest Removal ≥85% 3-business-day completion	
b	Biological Controls – Tumbleweed Removal ≥80% 15-business-day completion	
c	Biological Controls : Vegetation Pre- Emergent; ≥85% on-time campaign fulfillment; Selective; ≥85% on-time campaign fulfillment; Non-Selective; ≥85% on-time campaign fulfillment	
d	Contractor Assurance - Causal Analysis ≥80% causal analysis completed within 45 days	
e	Contractor Assurance - Issues Resolved ≥90% of issues screened within 5 days of initiation	
f	Crane and Crew Support: ≥85% 2-business-day turnaround time and ≥85% 1-business-day turnaround time (emergency requests)	
g	Facilities Maintenance ≥85% on-time completion	
h	Fire Protection System Maintenance ≥90% of annual goal of 2,639 activities	
i	Fire Systems - Priority 1 Emergency Impairments ≤3 open Emergency Impairments at month end	
1.1 j	Fire Systems - Priority 2 System Restrictions ≤18 total System Restrictions Priority 2 (SR-2) at end of each month	
k	Fire Systems - Priority 3 System Restrictions ≤40 total System Restrictions Priority 3 (SR-3) at end of each month	
l	Fleet Services – Heavy Equipment Cranes; ≥70% in service - Cranes	
m	Fleet Services – Heavy Equipment Excavators ≥90% in service - Excavators	
n	Fleet Services – Heavy Equipment General Purpose; ≥90% in service	
o	Fleet Services – Light Equipment Hanford Patrol; ≥90% in-service	
p	Fleet Services – Light Equipment Hanford Fire; ≥85% in-service	
q	Fleet Services – Light Equipment Special Purpose; ≥90% in-service	
r	IT-Cyber Security – System Patching: ≥97% 7-business-day turnaround time (desktops) and ≥97% 14-business-day turnaround time (databases/servers)	
s	RSS - Dosimetry External Services: ≥95% 10-business-day turnaround time (routine exchanges) and ≥95% 30-business-day turnaround time (annual exchanges)	
t	RSS - Instrumentation Calibration ≥90% 10-day turnaround time	

**LEGEND**

= On Schedule

= Objective missed

= Not Applicable (Updated quarterly)

= Complete

= In jeopardy

**Performance Notes:**

The enclosed PEMP performance reflects the MSA end of contract self-assessment as provided to DOE-RL on February 3, 2021. The enclosed charts reflect performance measurement progress through December 2020 as January 2021 was not a full calendar month under the MSC. All 1.0, 2.0 and 3.0 performance measure target commitments were met on-schedule (green status).



Table 9-2, cont. PEMP Dashboard Summary

Deliverables		YTD
<b>1.0 Effective Site Cleanup - Achievement of cleanup contractors' key milestones and regulatory commitments</b>		
1.2	Water	Demonstrate effective management of electric, water and sewer utilities to maximize reliability and redundancy
		Maintain Raw Water Pressure at ICD Level
		Maintain Potable Water Pressure at ICD Level
		Perform Preventative maintenance at 90% or better each month
		Zero regulatory permit violations that result from a failure to complete permit required work package.
		Ensure all water quality samples are completed on time
	Sewer	Quarterly System Health Report by Engineering submitted one calendar month after each quarter
		Perform Preventative maintenance at 90% or better each month
		Zero regulatory permit violations that result from a failure to complete permit required work package.
	Electric	Quarterly System Health Report by Engineering submitted one calendar month after each quarter
		Electrical power availability
		Perform Preventative maintenance at 90% or better each month
Zero regulatory permit violations that result from a failure to complete permit required work package.		
	Quarterly System Health Report by Engineering submitted one calendar month after each quarter	
1.3	Maximize efficient MSA use of resources to meet the other Hanford contractors' changing project needs.	
<b>2.0 Efficient Site Cleanup - Align resources and capabilities to support the site cleanup mission</b>		
2.1		Demonstrate effective Hanford Site integration to include, but not limited to, identify longstanding or emerging issues that affect efficient site operations and provide recommendations for improvement.
	a	Update the Hanford Site 5 Year Plan, as Hanford budgets are confirmed
	b	Issue the Hanford Life-Cycle Cost Baseline (HLCCB) Rev. 0.
	c	Establish an HLCCB Rev. 0 Dashboard
2.2		Demonstrate consolidation of the Hanford Site infrastructure footprint.
	a	Implementation of a Coarse Wave Division Multiplexing (CWDM) system between the North Richland 1220 Network and Telecommunications facility and the 2220E Central Plateau Network and Telecommunications facility
	b	Implement a new Essential Services Local Area Network (ES-LAN) as the major hosting and data transport solution.
	c	Modernize Virtual Desktop Infrastructure
2.3		Demonstrate effective development and management of reliability projects that ensure mission milestones and regulatory commitments are met.
	a	Project L-897, "200 Area Water Treatment Plant," Award construction contract {Schedule ID L897-5060}
	b	Project L-853, "200E Sewer Flow Equalization Facility" and L-854, "200E Sewer Consolidation," Sewer system fully operational
	c	Route 2S/4S Road Study, Brief DOE-RL on completed 2S/4S Road Study and recommendation
	d	Project L-801, "Upgrade SCADA," 100% design from A&E approved.
	e	Project L-861, "Single Circuit Distribution Pole Replacement," Initiate 60% (definitive) design
	f	Project L-888, "400 Area Fire Station," MSA completes Design Revision/Cost Estimate

**LEGEND**

= On Schedule

= Objective missed

N/A = Not Applicable (Updated quarterly)

= Complete

= In jeopardy



Table 9-3, cont. PEMP Dashboard Summary

Deliverables		YTD
<b>3.0 Comprehensive Performance</b>		
Execute the balance of contract work scope within the contract requirements, terms, and conditions, demonstrating excellence in quality, schedule, management, cost control, small business utilization, and regulatory compliance.		
Provide leadership to improve management effectiveness and collaborate and participate proactively with customers.		
Work with DOE and the other Hanford contractors in a spirit of cooperation to demonstrate operational excellence to include, but not limited to, the following areas:		
a	Business and financial management using approved purchasing, estimating, property, budget, planning, billing, labor, accounting, and performance measurement systems, providing visibility and transparency to DOE with respect to each of the forgoing	
b	Contract change management and subcontract administration and consent activities, e.g., proposal review and negotiation process, including timely and adequate submission of proposals and requests for additional data, timely counteroffers, and attaining small business goals	
c	Safeguards and security, fire department operations, emergency response, and emergency operations/emergency management	
d	Land Management	
e	Infrastructure and services program management, operations and maintenance	
f	Effective contractor human resources management	
g	Problem identification and corrective action implementation	
Perform work safely and in a compliant manner that assures the workers, public, environment, and national security assets are adequately protected while meeting the performance expectations of the contract. This element includes the Contractor's responsiveness to the novel coronavirus pandemic. Complete Essential services and COVID 19 Planning as defined by the COVID 19 Partial Stop Work Execution Plan and through interaction with DOE and OHC Leadership. Coordinate and integrate the Hanford Site response to both COVID 19 Partial Stop Work services and Implementation of the Hanford Site Remobilization Plan.		
Take proactive and effective actions to ensure and accomplish a smooth contract transition.		
Take proactive and effective actions to close and reduce contract closeout actions to effectively reduce efforts needed when the MSC enters its closeout		
Demonstrate effective subcontract management, including award of subcontracts as scheduled, inclusion of all requirements, subcontractor audits, and subcontract administration. Contractor will monitor subcontractor performance to ensure compliance with all requirements including small business subcontracting plans, Buy American Act, and applicable labor statutes.		

**LEGEND**

= On Schedule

= Objective missed

N/A = Not Applicable (Updated quarterly)

= Complete

= In jeopardy



## 10.0 CONTRACT DELIVERABLES STATUS

The following itemizes the contract deliverables due to DOE-RL in January 2021.

Table 10-1. January 2021 Contract Deliverables

CDRL	Deliverable	Responsible	Date Due January	Date Submitted to DOE	RL Action
CD0123	Monthly Billing Reports for DOE Services - December	Eckman	1/5/2021	12/28/2020	Information
CD0144	Monthly Performance Report	Millikin	1/10/2021	1/6/2021	Review
CD0124	Quarterly Service Level Report	Eckman	1/10/2021	1/11/2021	Information
CD0178	Quarterly Manpower Reports and Budget Forecasts	Walton	1/15/2021	1/14/2021	N/A
CD0023a	National Security System (NSS) Quarterly Status Report	Walton	1/22/2021	1/18/2020	Review
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - November	Synoground	1/30/2021	2/1/2021	Review
CD0039	Mutual Aid Agreements (annually)	Walton	1/31/2021	12/30/2020	Review
CD0064	Hanford Site Environmental Surveillance Master Sampling Schedule	Wilson	1/31/2021	2/11/2021	Approve - in 30 days by 3/11/2021

CDRL = Contract deliverable to DOE-RL.  
 N/A = No action.



Additionally, Table 10-2 provides a look-ahead summary of the February 2021 Closeout Office deliverables.

Table 10-2. Closeout Office Deliverables – February Look-Ahead

CDRL	Deliverable	Responsible	Date Due February	Date Submitted to DOE
CD0123	Monthly Billing Reports for DOE Services - January	Closeout Office	2/5/2021	2/3/2021
CD0144	Monthly Performance Report (December and January reports)	Closeout Office	2/10, 2/23	1/21, 2/17
CD1051	Cost Submittal - HANDI Reports	Closeout Office	2/15/2021	2/10/2021
CD1054	Depreciation Charges	Closeout Office	2/15/2021	2/10/2021
CD1056	FIS/STARS - Electronic Cost Feed	Closeout Office	2/15/2021	2/10/2021
CD1053	Contract Funds Status Report	Closeout Office	2/18/2021	2/10/2021
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - December	Synoground	2/28/2021	

FIS = Financial Information System.  
 STARS = Standard Accounting and Reporting System.