

MISSION SUPPORT ALLIANCE

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



Monthly Performance Report September 2019

R. E. Wilkinson
President

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



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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
CTD	Cost-to-Date
CV	Cost Variance
DART	Days Away Restricted Transferred
DLA	Direct Labor Adder
DOE	U.S. Department of Energy
ECOLOGY	State of Washington, Department of Ecology
EIS	Environmental Integration Services
EM	Office of Environmental Management
EMP	Enhanced Maintenance Program
EOC	Emergency Operations Center
ERDF	Environmental Restoration Disposal Facility
ES	Emergency Services
ESH&Q	Environment, Safety, Health, and Quality
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

ACRONYMS LISTING



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
PO	Presidents Office
POSP	Parent Organization Support Plan
PPE	Personal Protection Equipment
PTA	Patrol Training Academy
PRC	Plateau Remediation Company
PW	Public Works
RES	Real Estate Services

ACRONYMS LISTING



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
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



1.0 INTRODUCTION

The Executive Overview section is intended to provide an executive-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 contract with U.S. Department of Energy (DOE) Richland Operations Office (RL); project cost summary analysis; and overviews of safety. Unless otherwise noted, all data provided is through September 2019.

1.1 KEY ACCOMPLISHMENTS

Fiscal Year (FY) 2020 Contract/Baseline Alignment Guidance (CBAG) –The Draft FY 2020 IIP was submitted to DOE-RL on September 26, 2019. On September 30, 2019, conditional authorization to proceed was received from DOE-RL to initiate work for FY 2020.

339A Data Center Closeout – In September, MSA completed vacating the 339A building. The data center previously at that location was transitioned to a facility provided by Franklin County Public Utilities District (FPUD). The 339A building was transferred to the Pacific Northwest National Laboratory on September 30, 2019.

EMP Annual Protective Action Drill – MSA Emergency Management personnel conducted the Annual Protective Action Drill for the 300 and 400 Areas on September 19, 2019. The drill simulated a take cover for approximately 30 minutes with inbound access control for the 300 Area. The drill was initiated with the Hanford Site Emergency Alerting System (HSEAS) sirens, and emergency messages via telephone, compute and radio. The drill enabled MSA and other Hanford contractors to demonstrate their ability to implement appropriate protective actions to meet DOE requirements.

Energy Savings and Rebates - MSA's Energy Management team identified energy savings of more than 1.7 million kilowatt hours and earned incentives (rebates) in excess of \$400,000 in FY 2019.

Decommissioning Inactive Underground Injection Control (UIC) Wells – Workers completed the decommissioning of 11 inactive UIC wells in the 100-B/C, 100-N, 100-D, 100-H, and 100-F Areas. Crews used a vacuum guzzler and backhoe to remove well rock and upper-well structures. Bentonite chips were then used for well plugging, and a backhoe was utilized to backfill and re-contour the excavation. Waste from the excavated site was delivered to the Environmental Restoration Disposal Facility (ERDF) on September 30, 2019.



Decommissioning inactive UIC wells

Locke Island Monitoring Reveals New Artifacts – In early September, MSA Environmental Integration Services (EIS) staff performed site condition monitoring of Locke Island in the Columbia River along the Hanford Site. Monitoring participants included representatives from the Nez Perce Tribe and the Confederated Tribes of the Umatilla Indian Reservation, as well as representatives from the Hanford Cultural Resource Program.

Water levels were much lower than usual and, consequently, monitoring concentrated on inspecting the eastern shoreline of the island that is submerged for most of year. Ongoing erosion of the east side of Locke Island allowed staff to discover new artifacts and features on this trip, including significant slumpage along the cut bank created by both water erosion and animal burrowing.

Hurricane Dorian Response Update – Hazardous Materials Management and Emergency Response (HAMMER) personnel provided support in response to Hurricane Dorian as the Category 5 storm which impacted Florida, Georgia, North Carolina, South Carolina, and Virginia. HAMMER staff provided deployment coordination, sending 27 Emergency Support Function #12 (ESF #12) members to response centers in Washington, D.C., Puerto Rico, Florida, Georgia, North Carolina, and South Carolina. Utilities across the affected regions quickly began damage assessments and restoration efforts during the weekend, and helped restore power to a large number of customers. On September 7, 2019, Hurricane Dorian was 160 miles east

of Massachusetts and downgraded to a Category 1 storm, and the Federal Emergency Management Agency demobilized all response centers. By the next day, all of the deployed ESF #12 team members had returned safely to their home bases.

Infrastructure Footprint Reduction Initiatives – In support of Hanford Site infrastructure footprint reduction initiatives in recent years, permanent electrical services were removed from the 105-C, 105-N, 105-D, 105-DR, 105-H, and 105-F reactor building safe storage enclosures (SSEs). A portable generator will be used to support interior lighting requirements during the reactor building integrity inspections that are required every ten years. During September, MSA Electrical Utilities (EU) workers completed installing electrical receptacles to accommodate the portable generators.



Installation of electrical receptacles on reactor buildings

Rebuilding Infrastructure to Support Future Cleanup – MSA’s Project Services team is playing a key role in ensuring the Hanford Site is ready to start 24/7 operations to treat tank waste before the end of 2023 as part of a Direct-Feed Low-Activity Waste (DFLAW) program. With much of Hanford’s infrastructure more than 75 years old, Project Services staff are helping to reconfigure, rejuvenate, and right-size roadways, power lines, water and sewer lines, and information technology for the new mission. A key component is building a new water treatment facility. Scheduled for construction early next year, the \$14 million facility will replace an aging facility and provide reliable potable water to users in the center of the Hanford Site.



Reconfiguring power lines for the new mission.



Dashboards – MSA Portfolio Management (PFM) staff completed several Dashboards in September including a draft prototype DFLAW dashboard, which was developed and released for testing on September 30, 2019. PFM personnel also completed the MSA Statistics dashboard and the Procurement dashboard, which were approved and released to Production.

In support of the KPG Dashboard development for DOE-RL and the DOE Office of River Protection (ORP), PFM staff contracted with DevonWay to add Schedule Based Metric capability. That effort was completed and verification testing is underway.

Draft Project Execution Plan (PEP) Submitted – The draft PEP for the Business Management System (BMS) upgrade was delivered to DOE-RL on September 30, 2019. The objective of the BMS Upgrade project is to establish and implement a site standardized BMS/Enterprise Resource Planning (ERP) solution that consolidates the current infrastructure footprint.

1.2 LOOK AHEAD

Initiating New Buyers Technical Representative (BTR) Training – Acquisition Management staff met with MSA Training personnel to discuss the steps needed to develop a comprehensive BTR training class by the end of January 2020. A schedule of activities is being developed accordingly. The current target is to hold a pilot class in February 2020.

Waste Treatment Plant (WTP) Fiber Installation – MSA staff are completing a fiber installation project to provide additional telecommunications infrastructure to the WTP. Work is planned for completion in October 2019.

Project Peer Review for WTP/DFLAW – MSA Site Services & Information Management (SS&IM) personnel are leading the effort on behalf of MSA in preparing for the Waste Treatment Plant/Direct-Feed Low-Activity Waste (WTP/DFLAW) Project Peer Review (PPR) scheduled for November 18 – 22, 2019. This is a comprehensive review across multiple contractors focused on integration, project execution, and leading to the startup of the DFLAW project.

2.0 ANALYSIS OF FUNDS

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

Funds Source PBS	Title	MSA Expected * Funding	Funds ** Received	FYTD Actuals	Remaining Available Funds from Funds Received
ORP-0014	Radiological Liquid Tank Waste Stabilization and Disposition Operations	\$1,401.2	\$1,398.4	\$1,043.4	\$355.0
RL-0020	Safeguards & Security	\$90,966.6	\$90,969.1	\$81,857.0	\$9,112.1
RL-0040	Reliability Projects/HAMMER/ Inventory	\$3,672.0	\$3,672.0	\$1,963.5	\$1,708.5
RL-0201	Hanford Site-Wide Services	\$77,009.0	\$85,017.9	\$53,045.0	\$31,972.9
RL-0041	B Reactor	\$0.0	\$(1.1)	\$(1.1)	\$-
SWS	Site-Wide Services	\$213,620.9	\$218,536.4	\$202,039.6	\$16,496.8
Total		\$386,669.7	\$399,592.7	\$339,947.4	\$59,645.3

EAC = Estimate at Completion
HSPD = Homeland Security
Presidential Directive 12

FYTD = Fiscal Year to Date.
HAMMER = Volpentest HAMMER Federal Training Center
PBS = Project Baseline Summary.

SWS = Site-Wide Services.

* Funds received through Contract Modification 842, received September 30, 2019.

** Funds for Historical Preservation under RL-0041 were transferred to local use code for SWS on Mod 830 dated August 13, 2019. RL Expected Funding reduced and new FY20 Budget Authority received.

Based upon FY19 forecast the remaining uncosted carryover balance will fund SWS through October 22, 2019 and RL-0020 through October 29, 2019.



3.0 SAFETY PERFORMANCE

During the month of September, MSA had one injury classified as “Recordable”. The injury resulted in a work restriction that could not be accommodated; therefore, it was also classified as Days Away, Restricted or Transferred (DART). MSA concluded FY 2019 with a total recordable case (TRC) rate of 0.46 and a DART rate of 0.37. These rates are below the DOE performance measurement baselines of 1.1 and 0.60, respectively. Eight First Aid cases were recorded, which is within the average for MSA during a given month.

MSA continues to engage employees, focus on safety awareness and injury reduction activities by issuing Worker Alert/Response Notification System (WARNS) notices, and safety bulletins for emergent hazardous conditions that require immediate attention, and ensure all employees have appropriate Personal Protection Equipment (PPE) prior to performing work. Preparations for seasonal changes, which are expected to occur within the next few weeks, are underway. Additional tools and communications will be provided to employees to plan for the upcoming winter months.



Table 3-1. Total Recordable Case Rate, (TRC)

Objective

Monitor the Total Recordable Case (TRC) rate for MSA employees and subcontractors (Note: does not include independent subcontractors)

Measure

The TRC is measured in accordance with OSHA guidelines for reporting and calculating. The rate is calculated by multiplying the number of Recordable cases by 200,000 and dividing by the total number of work hours.

Performance Thresholds

Adverse	> 1.3
Cautionary	1.1 - 1.3
Meets	< 1.1

Performance Data

	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
Monthly Recordable Cases	1	0	1	1	0	1	2	0	1	3	0	1
Monthly TRC Rate	0.65	0.00	0.60	0.48	0.00	0.62	1.15	0.00	0.58	1.78	0.00	0.47
Performance (3-m Average)	0.34	0.37	0.40	0.36	0.39	0.39	0.63	0.56	0.55	0.74	0.69	0.64
Performance (12-m Average)	0.46	0.41	0.41	0.45	0.45	0.47	0.47	0.42	0.42	0.51	0.51	0.50

Specific Goal to Achieve

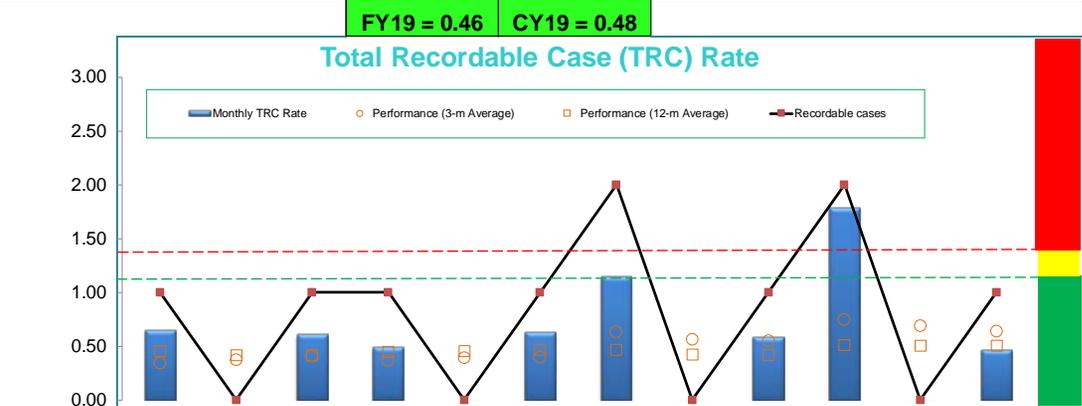
The MSA goal is to "do work safely" and achieve target zero by reducing injuries, accidents and incidents. The DOE-EM goal is to maintain a TRC rate below 1.1.

Leading Indicator Description

TRC is a lagging indicator.

Performance Indicator Information

PI Owner:	Lanette Adams
Data Analyst:	Terri Martinez
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003, Sect. 4.0
Date:	10/3/2019



Analysis

During the month of September, there was one injury that classified as "recordable". When participating in a running exercise, an employee felt tightness in their calf which resulted in a work restriction that could not be accommodated. FYTD, MSA has experienced 11 OSHA recordable injuries, corresponding to a TRC rate of 0.46.

2018 FY Recordable Cases: 10 (TRC = 0.46)
 2017 FY Recordable Cases: 14 (TRC = 0.67)

- Types of injuries MSA has experienced during FY 2019 that were classified as Recordable:
 - overexertion (2), struck against (2), body motion (3), slip/trip/fall (3), struck by object (1)
- Body parts that have been affected FY2019:
 - arm (1), knee/leg (2), back (1), shoulder (1), torso (2), ankle (1); tooth (1); head (1), eye (1)

Action

- Injury Prevention Actions:
- Closely monitored all First Aid cases to determine emerging trends and implement awareness activities, as warranted
 - Continued to emphasize the importance of timely reporting for all injuries
 - Discussed injuries and injury rates, including prevention measures to avoid workplace accidents and incidents, at EZAC/PZAC and organizational-level safety meetings
 - Highlighted the following 24/7 safety topics at back to work meetings for all employees: prevention of struck-by or struck-against injuries at work and at home; the role ergonomics plays in overexertion injuries; emergency preparedness planning; communication methods for advance warnings of adverse weather; and, driving tips to avoid deer and elk on the roadways
 - Continued employee participation in the 24/7 Summer Safety Campaign

Additional Info

None

Table 3-2. Days Away, Restricted, Transferred, (DART)



Objective

Monitor the days away, restricted or transferred (DART) case rate for MSA employees and subcontractors

Measure

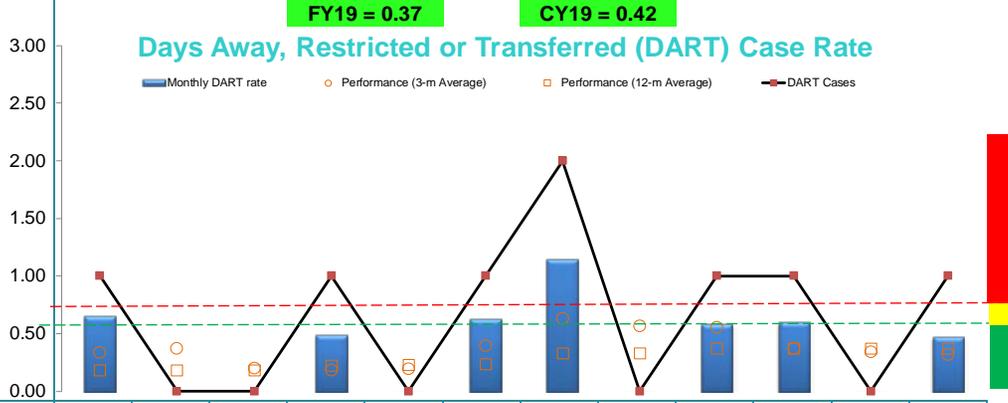
The DART rate is measured in accordance with OSHA guidelines for reporting and calculating. The rate is calculated by multiplying the number of Recordable cases by 200,000 and dividing by the total number of work hours.

Performance Thresholds

Adverse	> 0.75
Cautionary	0.6 - 0.75
Meets EM goal	< 0.6

Performance Data

	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
Monthly DART Cases	1	0	0	1	0	1	2	0	1	1	0	1
Monthly DART rate	0.65	0.00	0.00	0.48	0.00	0.62	1.15	0.00	0.58	0.59	0.00	0.47
Performance (3-m Average)	0.34	0.37	0.20	0.18	0.19	0.39	0.63	0.56	0.55	0.37	0.34	0.32
Performance (12-m Average)	0.18	0.18	0.18	0.22	0.23	0.23	0.33	0.33	0.37	0.37	0.37	0.37



Specific Goal to Achieve

The MSA goal is to "do work safely" and achieve target zero by reducing injuries, accidents and incidents. The DOE-EM goal is to maintain a DART rate below 0.6.

Lagging Indicator Description

A lagging indicator is a record of past events. DART rate is a lagging indicator that may show a trend in serious injuries.

Performance Indicator Information

PI Owner:	Lanette Adams
Data Analyst:	Terri Martinez
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003, Section 4.0
Date	10/3/2019

Analysis

During the month of September, there was one injury that classified as DART. When participating in a running exercise, an employee felt tightness in their calf which resulted in a work restriction that could not be accommodated. Therefore, FYTD, MSA has experienced 8 DART injuries, corresponding to a case rate of 0.37.

Note: 3 of the 8 DART injuries this fiscal year have been the result of a trip/slip/fall and 3 have been due to body motion.

2018 FY DART Cases: 3
2017 FY DART Cases: 10

- Types of injuries MSA has experienced during FY 2019 that were classified as DART:
 - overexertion (2), body motion (3), trip/slip/fall (3)
- Body parts that have been affected FY2019:
 - arm (1), knee (1), back (1), shoulder (1), torso (2), ankle (1), leg (1)

Action

Injury Prevention Actions:

- Closely monitored all First Aid cases to determine emerging trends and implement awareness activities, as warranted
- Continued to emphasize the importance of timely reporting for all injuries
- Discussed injuries and injury rates, including prevention measures to avoid workplace accidents and incidents, at EZAC/PZAC and organizational-level safety meetings
- Highlighted the following 24/7 safety topics at back to work meetings for all employees: prevention of struck-by or struck-against injuries at work and at home; the role ergonomics plays in overexertion injuries; emergency preparedness planning; communication methods for advance warnings of adverse weather; and, driving tips to avoid deer and elk on the roadways
- Continued employee participation in the 24/7 Summer Safety Campaign

Additional Info

None



Table 3-3. First-Aid Case Rate

FY19 = 4.04 CY19 = 3.46

Objective

Monitor the number of First Aid cases and rate as a leading indicator to days away, restricted, or transferred (DART) and Total Recordable Case (TRC) rates for MSA and subcontractor employees.

Measure

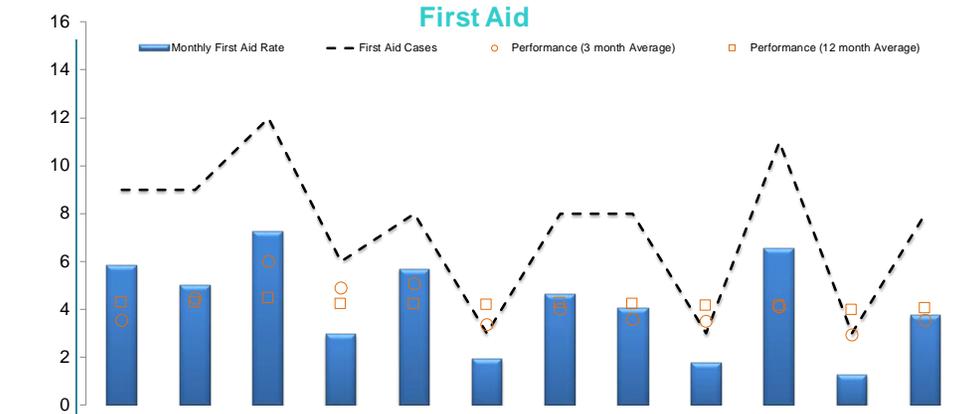
The metric is a count of the number of First Aid cases per month, and the rate of cases. The rate is calculated by multiplying the number of First Aid cases by 200,000 and dividing by the total number of work hours for a given period.

Performance Thresholds

Adverse	n/a
Declining	n/a
Meets	n/a

Performance Data

	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
First Aid Cases	9	9	12	6	8	3	8	8	3	11	3	8
Monthly First Aid Rate	5.82	5.00	7.25	2.91	5.63	1.87	4.58	4.04	1.75	6.53	1.23	3.74
Performance (3 month Average)	3.53	4.44	6.00	4.89	5.06	3.34	3.99	3.57	3.49	4.09	2.91	3.52
Performance (12 month Average)	4.29	4.26	4.45	4.20	4.21	4.17	4.26	4.19	4.13	4.12	3.96	4.04



Specific Goal to Achieve

The goal is to "do work safely" and achieve target zero by reducing injuries, accidents and incidents while encouraging reporting of all minor injuries.

Leading Indicator Description

Non-reportable precursors are a leading indicator to reportable events. An increase in the number of First Aid cases could indicate a potential increase of more significant events.

Performance Indicator Information

PI Owner:	Lanette Adams
Data Analyst:	Terri Martinez
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003 Sect. 4.0
Date	10/3/2019

Analysis

MSA experienced 8 First Aid cases in September. The injuries were caused by the following incidents: struck against (1); contact with animal or insect (1); caught in, on, under, between (1); contact - foreign body (3); slip/trip/fall (1); and, repeat motion (1).

Year to date, body motion has contributed to the majority of First Aid injuries. Other primary categories include the following:

- 19% by body motion, 17% trip/slip/fall, 16% by struck against object, 17% contact foreign body/abrade, 11% struck by object, 6% overexertion, 7% contact with an insect.
- 18% hand/finger, 15% back, 16% head/neck/eye, 13% knee, 11% arm/wrist, 7% torso, 7% shoulder, 7% foot/ankle, 4% leg

FY 2018 First Aid Cases: 102 (Rate = 4.67)
 FY 2017 First Aid Cases: 110 (Rate = 5.23)

Actions

Injury Prevention Actions:

- Closely monitored all First Aid cases to determine emerging trends and implement awareness activities, as warranted
- Continued to emphasize the importance of timely reporting for all injuries
- Discussed injuries and injury rates, including prevention measures to avoid workplace accidents and incidents, at EZAC/PZAC and organizational-level safety meetings
- Highlighted the following 24/7 safety topics at back to work meetings for all employees: prevention of struck-by or struck-against injuries at work and at home; the role ergonomics plays in overexertion injuries; emergency preparedness planning; communication methods for advance warnings of adverse weather; and, driving tips to avoid deer and elk on the roadways
- Continued employee participation in the 24/7 Summer Safety Campaign

Additional Info

None



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										DOLLARS IN Thousands			FORM APPROVED OMB No. 0704-0188	
FORMAT 1 - WORK BREAKDOWN STRUCTURE														
1. Contractor a. Name Mission Support Alliance		2. Contract a. Name Mission Support Contract		3. Program a. Name Mission Support Contract			4. Report Period a. From (2019/08/26)							
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728		b. Phase Operations			b. To (2019/09/30)							
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		\$4,076,594		\$1,007		\$223,234	\$4,299,829	\$4,250,294		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) Wilkinson, Robert E			b. TITLE MSC Project Manager			
a. BEST CASE		\$4,077,602						c. SIGNATURE 			d. DATE SIGNED 10/23/19			
b. WORST CASE		\$4,228,413												
c. MOST LIKELY		\$4,027,060		4,077,601		50,542								
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	9,963	9,963	7,682	0	2,281	617,097	617,097	611,647	0	5,450	622,266	623,501	(1,235)	
3001.01.02 - Fire and Emergency Response	3,515	3,515	3,360	0	154	267,853	267,853	267,762	0	91	270,849	274,278	(3,429)	
3001.01.03 - Emergency Management	456	456	422	0	35	45,468	45,468	45,336	0	132	45,806	46,069	(263)	
3001.01.04 - HAMMER	1,097	1,097	643	0	454	76,285	76,285	73,236	0	3,048	77,047	74,897	2,150	
3001.01.05 - Emergency Services Management	109	109	185	0	(77)	16,213	16,213	16,073	0	140	16,373	16,440	(68)	
3001.02.01 - Site-Wide Safety Standards	116	116	109	0	7	8,672	8,672	9,589	0	(917)	8,771	9,805	(1,034)	
3001.02.02 - Environmental Integration	444	444	309	0	135	57,361	57,361	56,023	0	1,338	57,628	56,605	1,022	
3001.02.03 - Public Safety & Resource Protection	2,101	2,101	1,307	0	795	74,021	74,021	73,726	0	295	74,919	75,686	(767)	
3001.02.04 - Radiological Site Services	0	0	(0)	0	0	5,242	5,242	5,129	0	113	5,242	5,129	113	
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	117	117	145	0	(28)	33,512	33,512	32,728	0	784	33,627	32,962	664	
3001.03.02 - Information Systems	2,467	2,467	1,367	0	1,100	121,200	121,200	119,428	0	1,771	121,703	120,698	1,006	
3001.03.03 - Infrastructure / Cyber Security	1,480	1,480	1,459	0	21	47,245	47,245	46,612	0	633	47,851	47,928	(76)	
3001.03.04 - Content & Records Management	1,212	1,212	543	0	669	70,080	70,080	69,493	0	587	70,555	70,559	(4)	
3001.03.05 - IR/CM Management	163	163	208	0	(45)	14,551	14,551	14,791	0	(240)	14,982	15,685	(704)	
3001.03.06 - Information Support Services	198	198	199	0	(1)	14,743	14,743	14,765	0	(23)	14,926	15,099	(173)	
3001.04.01 - Roads and Grounds Services	413	413	628	0	(215)	33,039	33,039	33,976	0	(937)	33,285	34,681	(1,396)	
3001.04.02 - Biological Services	386	386	328	0	58	38,526	38,526	38,325	0	202	38,966	39,286	(319)	
3001.04.03 - Electrical Services	1,658	1,658	1,699	0	(42)	125,696	125,696	125,694	0	2	126,969	128,456	(1,487)	
3001.04.04 - Water/Sewer Services	1,778	1,778	1,608	0	170	134,139	134,139	132,796	0	1,343	135,563	136,004	(441)	
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	39	39	23	0	16	10,812	10,812	10,764	0	49	10,839	10,823	17	



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 Mission Support Alliance		a. Name Mission Support Contract		a. Name Mission Support Contract				a. From (2019/08/26)										
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728		b. Phase Operations				b. To (2019/09/30)										
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 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	14	14	9	0	5	717	717	717	0	55	725	679	45					
3001.04.10 - Technical Services	533	533	637	0	(104)	50,745	50,745	51,407	0	(663)	51,142	52,270	(1,128)					
3001.04.11 - Energy Management	172	172	127	0	45	12,441	12,441	12,007	0	434	12,556	12,248	307					
3001.04.12 - Hanford Historic Buildings Preservation	233	233	237	0	(4)	25,859	25,859	25,086	0	773	26,057	25,512	544					
3001.04.13 - Work Management	178	178	192	0	(14)	15,696	15,696	17,354	0	(1,658)	15,890	17,801	(1,911)					
3001.04.14 - Land and Facilities Management	473	473	635	0	(162)	49,638	49,638	47,363	0	2,276	50,192	48,578	1,614					
3001.04.15 - Mail & Courier	59	59	62	0	(3)	7,246	7,246	7,229	0	16	7,301	7,354	(53)					
3001.04.16 - Property Systems/Acquisitons	781	781	963	0	(182)	62,623	62,623	62,438	0	185	63,153	63,618	(465)					
3001.04.17 - General Supplies Inventory	59	59	228	0	(168)	2,084	2,084	1,169	0	916	2,152	1,313	839					
3001.04.18 - Maintenance Management Program Implementation	88	88	64	0	24	10,664	10,664	10,648	0	17	10,732	10,794	(62)					
3001.06.01 - Business Operations	2,042	2,042	1,027	0	1,015	60,305	60,305	20,090	0	40,215	61,057	22,457	38,600					
3001.06.02 - Human Resources	399	399	319	0	80	27,641	27,641	25,503	0	2,138	27,920	26,155	1,765					
3001.06.03 - Safety, Health & Quality	1,802	1,802	1,597	0	205	184,045	184,045	181,606	0	2,439	185,451	184,772	679					
3001.06.04 - Miscellaneous Support	422	422	399	0	23	53,956	53,956	54,473	0	(516)	54,268	55,171	(903)					
3001.06.05 - Presidents Office (G&A nonPMB)	204	204	15	0	190	516	516	91	0	425	817	646	170					
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	334	334	209	0	125	60,436	60,436	59,396	0	1,040	60,667	59,894	772					
3001.08.01 - Water System	1,754	1,038	1,091	(717)	(53)	46,453	44,225	31,034	(2,228)	13,191	48,735	35,162	13,573					
3001.08.02 - Sewer System	0	0	65	0	(65)	17,321	17,048	20,487	(273)	(3,439)	17,321	21,017	(3,695)					
3001.08.03 - Electrical System	1,674	1,152	912	(522)	240	25,337	24,105	24,700	(1,232)	(595)	27,934	28,723	(790)					
3001.08.04 - Roads and Grounds	5	6	4	1	2	10,015	10,013	9,447	(2)	566	10,015	9,449	566					
3001.08.05 - Facility System	24	224	257	199	(34)	12,767	12,612	12,960	(155)	(348)	13,032	13,243	(212)					
3001.08.06 - Reliability Projects Studies & Estimates	938	938	916	0	22	24,639	24,639	25,820	0	(1,182)	25,256	27,284	(2,028)					
3001.08.07 - Reliability Project Spare Parts Inventory	219	219	103	0	116	4,774	4,774	3,857	0	918	4,821	3,962	858					
3001.08.08 - Network & Telecommunications System	718	817	806	99	11	28,463	28,562	30,785	98	(2,224)	33,126	35,621	(2,495)					
3001.08.09 - Capital Equipment Not Related to Construction	1,787	1,787	1,781	0	6	15,104	13,794	12,616	(1,310)	1,178	15,110	13,720	1,390					
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	125	126	(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.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																		
e. SUBTOTAL (Performance Measurement Baseline)	42,623	41,684	34,877	(940)	6,807	2,699,458	2,694,357	2,623,969	(5,102)	70,388	2,744,718	2,690,009	54,710					



Table 4-1, cont. 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 (2019/08/26)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2019/09/30)								
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	Estimated	Variance			
	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)	(12)	(13)	(14)			
a2. WORK BREAKDOWN STRUCTURE ELEMENT																
3001.01.04 - HAMMER	1,759	1,759	1,521	0	239	148,532	148,532	148,160	0	372	149,778	150,866	(1,088)			
3001.02.04 - Radiological Site Services	875	875	836	0	39	67,116	67,116	66,891	0	225	67,860	68,500	(639)			
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	272	272	197	0	75	9,526	9,526	9,410	0	116	9,766	9,930	(165)			
3001.03.04 - Content & Records Management	80	80	76	0	4	2,901	2,901	2,932	0	(31)	2,968	3,080	(112)			
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	2,601	2,601	4,456	0	(1,855)	105,474	105,474	106,057	0	(582)	108,680	111,657	(2,977)			
3001.04.05 - Facility Services	1,105	1,105	1,000	0	105	85,512	85,512	84,993	0	519	86,457	87,053	(596)			
3001.04.06 - Transportation	602	602	777	0	(175)	53,325	53,325	52,937	0	388	53,785	53,930	(145)			
3001.04.07 - Fleet Services	1,718	1,718	2,134	0	(416)	149,424	149,424	150,279	0	(855)	150,757	153,159	(2,402)			
3001.04.08 - Crane and Rigging	1,210	1,210	1,128	0	82	124,822	124,822	124,293	0	529	125,748	126,311	(563)			
3001.04.10 - Technical Services	307	307	248	0	59	9,533	9,533	9,298	0	236	9,752	9,789	(37)			
3001.04.13 - Work Management	60	60	35	0	26	4,368	4,368	4,324	0	44	4,422	4,443	(20)			
3001.04.14 - Land and Facilities Management	949	949	1,089	0	(139)	73,892	73,892	73,795	0	97	74,699	75,588	(889)			
3001.04.15 - Mail & Courier	24	24	18	0	6	1,739	1,739	1,726	0	13	1,756	1,764	(8)			
3001.06.01 - Business Operations	1,283	1,283	1,549	0	(266)	113,850	113,850	113,448	0	402	114,727	115,317	(591)			
3001.06.02 - Human Resources	483	483	349	0	133	32,117	32,117	31,814	0	304	32,427	32,497	(71)			
3001.06.03 - Safety, Health & Quality	224	224	121	0	102	16,027	16,027	15,053	0	975	16,138	15,327	811			
3001.06.04 - Miscellaneous Support	258	258	262	0	(4)	18,352	18,352	19,277	0	(925)	18,643	19,906	(1,263)			
3001.06.05 - Presidents Office (G&A nonPMB)	426	426	375	0	52	28,267	28,267	27,972	0	296	28,543	28,572	(29)			
3001.06.06 - Strategy	27	27	17	0	10	3,101	3,101	3,013	0	88	3,120	3,053	66			
3001.A1.01 - Transfer - CHPRC	7,918	7,918	6,401	0	1,516	715,156	715,156	716,344	0	(1,187)	720,948	729,078	(8,130)			
3001.A1.02 - Transfer - WRPS	5,616	5,616	4,545	0	1,071	338,054	338,054	336,957	0	1,097	342,347	346,395	(4,049)			
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	25	25	64	0	(39)	3,481	3,481	3,571	0	(90)	3,508	3,630	(122)			
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	41,023	41,023	41,726	0	(703)	41,023	41,726	(703)			
3001.A2.05 - Non-Transfers - HPM	82	82	83	0	(1)	3,380	3,380	3,499	0	(119)	3,436	3,621	(185)			
3001.A2.06 - Non-Transfers - BNI Corp	0	0	(75)	0	75	1	1	1	0	0	7	15	(8)			
3001.A2.07 - Non-Transfers-WAI	40	40	26	0	14	1,344	1,344	1,258	0	86	1,373	1,322	51			
3001.A4.01 - Request for Services	701	701	870	0	(169)	116,678	116,678	117,306	0	(628)	117,279	118,608	(1,329)			
3001.A4.02 - HAMMER RFSS	461	461	246	0	216	36,160	36,160	34,657	0	1,503	36,296	34,951	1,345			
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	45	45	38	0	7	11,250	11,250	12,572	0	(1,322)	11,286	12,651	(1,365)			
3001.A5.01 - RL PD	51	51	15	0	36	6,695	6,695	6,538	0	157	6,718	6,595	123			
3001.A5.02 - ORP PD	79	79	47	0	32	8,447	8,447	8,514	0	(67)	8,498	8,637	(139)			



Table 4-1, cont. 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		a. Name			a. Name			a. From (2019/08/26)							
b. Location (Address and Zip Code)		b. Number			b. Phase			b. To (2019/09/30)							
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	836	836	468	0	368	17,589	17,589	16,184	0	1,405	18,141	17,230	912		
3001.A5.04 - ORP Project Funded	146	146	90	0	56	8,136	8,136	7,737	0	399	8,235	7,977	258		
3001.A6.01 - Portfolio PMTOs	0	0	(2)	0	2	1,158	1,158	1,102	0	56	1,158	1,102	56		
3001.A7.01 - G&A Liquidations	(3,007)	(3,007)	(1,870)	0	(1,137)	(222,958)	(222,958)	(220,686)	0	(2,272)	(225,058)	(225,190)	132		
3001.A7.02 - DLA Liquidations	(2,059)	(2,059)	(1,401)	0	(658)	(151,408)	(151,408)	(149,592)	0	(1,816)	(153,120)	(153,300)	180		
3001.A7.03 - Variable Pools Revenue	(9,198)	(9,198)	(8,953)	0	(245)	(731,842)	(731,842)	(732,001)	0	159	(740,177)	(749,486)	9,309		
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	1	1	0	0	1	1	0	1		
3001.B1.04 - Assessment for PRC Services to MSC	0	0	0	0	0	1	1	0	0	1	1	0	1		
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		
d2. UNDISTRIBUTED BUDGET											10,212	0	10,212		
e2. SUBTOTAL (Non - Performance Measurement Baseline)	16,001	16,001	16,781	0	(780)	1,310,891	1,310,891	1,312,022	0	(1,131)	1,332,804	1,336,972	(4,168)		
f. MANAGEMENT RESERVE											79	79	0		
g. TOTAL	58,625	57,686	51,659	(940.0)	6,027	4,010,349	4,005,248	3,935,991	(5,102)	69,257	4,077,602	4,027,060	50,542		
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 FORMAT 3 - BASELINE													FORM APPROVED OMB No. 0704-0188				
											DOLLARS IN Thousands						
1. Contractor			2. Contract				3. Program				4. Report Period						
a. Name			a. Name				a. Name				a. From (2019/08/26)						
Mission Support Alliance			Mission Support Contract				Mission Support Contract										
b. Location (Address and Zip Code)			b. Number		b. Phase				b. To (2019/09/30)								
Richland, WA 99352			RL14728		Operations												
			c. TYPE		d. Share Ratio		c. EVMS ACCEPTANCE										
			CPAF				No X Yes										
5. CONTRACT DATA																	
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			\$1,221,628		\$4,076,594		\$1,007			\$4,077,602		\$4,077,602		\$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			2019/11/25			2019/11/25		2019/11/25						
6. PERFORMANCE DATA																	
ITEM (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)												UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)	
			Six Month Forecast By Month						Remaining Forecast By Month								
			OCT FY20 (4)	NOV FY20 (5)	DEC FY20 (6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)				
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	2,656,835	43,671	2,704	6,945	65	0	0	0	0	0	0	0	0	0	0	39,103	2,749,323
b. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	42,623	(43,671)	22,746	9	7	0	0	0	0	0	0	0	0	0	0	(26,320)	(4,605)
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	2,699,459		25,450	6,954	73	0	0	0	0	0	0	0	0	0	0	12,783	2,744,718



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 (2019/08/26)									
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations				b. To (2019/09/30)									
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)
			OCT FY20 (4)	NOV FY20 (5)	DEC FY20 (6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)					
a2. NON - PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	1,294,890	15,959	0	0	0	0	0	0	0	0	0	0	0	0	0	20,002	1,330,850	
b2. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	16,001	(15,959)	11,580	101	21	0	0	0	0	0	0	0	0	0	0	(9,790)	1,954	
c2. NON - PERFORMANCE MEASUREMENT BASELINE (End of Period)	1,310,891		11,580	101	21	0	0	0	0	0	0	0	0	0	0	10,212	1,332,804	
7. MANAGEMENT RESERVE																	79	
8. TOTAL	4,010,350	0	37,031	7,055	93	0	0	0	0	0	0	0	0	0	0	22,994	4,077,602	



6.0 FORMAT 5, DD FORM 2734/5, EXPLANATIONS AND PROBLEM ANALYSIS

Table 6-1, Format 5, DD Form 2734/5, Explanations and Problem Analysis

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 (2019/08/26)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/09/30)
	c. Type CPAF	d. Share Ratio NO X YES	
5. Evaluation			

Explanation of Variance /Description of Problem:

Current Month Cost Variance (CV):

3001.01.01 Safeguard and Security – Favorable CM CV is primarily due to material and subcontract procurement underruns for accelerated projects added to the budget late in the fiscal year that will now carryover over into FY20, and year-end liquidation of the variable service pool variances.

3001.01.04 HAMMER –Projects delays due to higher priorities and backlog in the MSA Engineering and Projects groups led to a favorable CM CV.

3001.02.03 Public Safety & Resource Protection – Favorable CM CV is primarily due to slow progress on Air Modeling and year-end liquidation of the variable service pool variances.

3001.03.02 Information Systems –Favorable CM CV is primarily due to the delay in award and payment of the PeopleSoft license maintenance contract, as well as year-end liquidation of the variable service pool variances.

3001.03.04 Content & Records Management – Favorable CM CV is primarily due to the delay in award and payment of the OpenText license maintenance contract because MSA was required to recompetete the contract.

3001.04.01 Roads and Grounds Services – Unfavorable CM CV is primarily due to receipt of materials for road striping, completion of large fleet maintenance jobs that had been in process, and initiation of a Parking Lot study.

3001.06.01 Business Integration & Operations – A favorable CM CV resulted from not incurring costs due to a delay of the Site Mission Integration and Analysis subcontract plan and Severance budget planned for September that will occur in FY20.

Variable Service Pools - Non-PMB – The WBS elements 3001.01.04 – 3001.06.06 represent the usage-based pool, General and Administrative (G&A), and Direct Labor Adder (DLA) accounts. Offsetting liquidation of service to customers occur with WBS 3001.A7.01-3001.A7.03.



Table 6-1, cont. Format 5, DD Form 2734/5, Explanations and Problem Analysis

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 (2019/08/26)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/09/30)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

3001.A1 – 3001.B1 Non-PMB – Favorable CM CV is primarily due to the year-end liquidation of the variable service pool variances.

Impacts – Current Month Cost Variance:

There are no significant impacts associated with this unfavorable CM CV.

Corrective Action – Current Month Cost Variance: None

Current Month Schedule Variance:

3001.08.01 Water System – Unfavorable CM SV is because of Project L-895 “Fire Protection Infrastructure for PRW”. The unfavorable CM SV is due to delays in CM construction activities including erection of the 282WF building and installation of related HVAC equipment in 200 West, Programmable Logic Controllers (PLC) procurement and pre-programming.

3001.08.03 Electrical System – Unfavorable CM SV on L-789 “Prioritize T&D Sys Wood PP Test & Replace” is because the contractor experienced delays on the first two corridors of power poles but expects to recover schedule during installation.

3001.08.05 Facility System – Favorable CM SV on Project L-796 “Key Facilities Roof Replacements” is due to completing the 6266 roof planned in an earlier period.

3001.08.08 Network & Telecommunications Systems – Favorable CM SV is due to Project L-919 “Emergency Radio Upgrade” because of receiving the Local Area Network (ES-LAN) materials ahead of schedule.

Impacts – Current Month Schedule Variance: Impacts to Reliability Projects are minimal because most reliability projects are independent stand-alone projects.

Corrective Action – Current Month Schedule Variance: None.



Table 6-1, cont. Format 5, DD Form 2734/5, Explanations and Problem Analysis

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 (2019/08/26)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/09/30)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Cumulative Cost Variance:

3001.01.01 Safeguard and Security - 3001.06.01 Favorable CTD CV is due in Materials and Subcontracts underrun from projects that will be carried over into FY20 and/or lower than planned costs for upgrades such as:

- Patrol Operations Center
- weapons system
- intrusion detection
- CAD system
- PRISM system
- significant year-end liquidation of the variable service pool variances
- labor underruns due to "R"-time
- attrition (unfilled vacancies)
- fleet maintenance underrun due to low GSA lease vehicle turnover in FY19, and
- unrealized severance costs during FY19.

3001.06.01 Business Integration & Operations - Favorable CTD CV is primarily due to affiliate credits on information technology (IT) scope and training on overtime. The affiliate credits on IT scope are pending final resolution.

3001.08.01 Water System - Favorable CTD CV is because:

- Project L-894 "Raw Water Cross Connect Isolation 200 E/W" due to the Engineering Study costing less than planned, the conceptual design utilizing fewer resources than originally planned, the Definitive Design experiencing cost underruns and the construction contract award being less than the planned value.

Completed projects with CTD CV include the following:



Table 6-1, cont. Format 5, DD Form 2734/5, Explanations and Problem Analysis.

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 (2019/08/26)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/09/30)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

- 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”, L-525 “24-inch Line Replacement from 2901Y to 200W”, and L-311 “Refurbish 200W Raw Water Reservoir” also contributed to this favorable variance.

3001.A1 – 3001.B1 Non-PMB - Note that for the non-PMB, the WBS elements 3001.01.04 - 3001.06.06 represent the Usage-Based Pool, General and Administrative (G&A), and Direct Labor Adder (DLA) accounts that are offset by the liquidation of services to customers through WBS 3001.A7.01 – 3001.A7.03.

Impacts - Cumulative Cost Variance: The overall favorable CV is primarily due to affiliate credit for IT scope and training on overtime. MSA does not anticipate resolution of the affiliate credit on IT scope during FY19.

Corrective Action - Cumulative Cost Variance: None.

Cumulative Schedule Variance:

3001.08.01 Water System – Unfavorable CTD SV is primarily due to the following:

- Project L-895 “Fire Protection Infrastructure for PRW” has an unfavorable CTD SV due to construction activities delays including erection of the 282WF building and installation of related HVAC equipment in 200 West, Programmable Logic Controllers (PLC) procurement and pre-programming.
- Project L-894 “Raw Water Cross Connect Isolation 200E/W Project” has an unfavorable CTD SV due to contractor downtime because of inclement weather. The vendor experienced April down time to ensure a thorough understanding of and accounting for Site conditions at the 283W filter plant. In June, the project placed fieldwork on hold during preparation of a Design Change Notice and Facility Management Plan.



Table 6-1, cont. Format 5, DD Form 2734/5, Explanations and Problem Analysis

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 (2019/08/26)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/09/30)
	c. Type CPAF	d. Share Ratio NO X YES	
5. Evaluation			

- Project L-826 “181B Vertical Turbine Pumps” has an unfavorable CTD SV due to a delay in awarding the Architectural/Engineering design contract. The Project identified an inefficient hydraulic pump design during the hydraulic analysis review that delayed submittal of the 30% design.
- Project L-849 “Replace 200E 1.1M-gal PW Tank” has an unfavorable CTD SV due to additional analysis of Fire Water demands on the Central Plateau and re-sequencing the 60% design resubmittal to resume after the adjacent Project L-850 design completes.
- Project L-781 “181D Vertical Turbine Pumps” has an unfavorable CTD SV due to a delay in awarding the Architectural/Engineering design contract. The Project identified an inefficient hydraulic pump design during the hydraulic analysis review that delayed submittal of the 30% design.
- Project L-849 “Replace 200E 1.1M-gallon PW Tank” has a unfavorable CTD SV primarily due to additional analysis of Fire Water demands on the Central Plateau and re-sequencing the 60% design resubmittal to resume after the adjacent Project L-850 design was completed.

3001.08.02 Sewer System – Unfavorable CTD SV on project L-854, “200E Sewer Consolidations” is due to adjusting the pipe installation for Phases 5 and 6 to accommodate the operation schedule of other Hanford contractors.

3001.08.03 Electrical System – Unfavorable CTD SV is because:

- Project H-006 “10 CFR 851” because the breaker maintenance outages encountered challenges with scheduling the actual outage in the field.
- Project L-789 “Prioritize T&D Sys Wood PP Test & Replace” Unfavorable CTD SV is primarily because of contractor delays on the first two corridors of power poles but project expects to recover schedule during installation.

3001.08.05 Facility System – Unfavorable CTD SV on Project L-906 “HFD Station 92 Expansion” was due to late issuance of the design services request for proposal, and weather delays throughout February and into March affecting the bid/evaluate/award process.



Table 6-1, cont. Format 5, DD Form 2734/5, Explanations and Problem Analysis

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 (2019/08/26)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/09/30)
	c. Type CPAF	d. Share Ratio c. EVMS Acceptance NO X YES	

3001.08.09 Capital Equipment Not Related to Construction – Unfavorable CTD SV is primarily due to the Hanford Fire Department planned receipt in May of the 65 foot Telesquirt now expected in October 2019.

Impacts - Cumulative Schedule Variance: Impacts to Reliability Projects are minimal because most reliability projects are independent stand-alone projects.

Corrective Action – Cumulative Schedule Variance: No corrective action is required because most of these projects are stand-alone.

Variance at Complete:

The current favorable VAC in the Performance Measurement Baseline (PMB) is primarily due to the Affiliate & Overtime credits.

Impacts – At Complete Variance: None.

Corrective Action - At Complete Variance:

MSA does not anticipate resolution of the affiliate credit on IT scope during FY19.

Undistributed Budget (UB): The baseline is currently detailed planned through October 2019; the UB underrun in both the PMB and non-PMB is due to the EAC already being forecast in the baseline through November 25, 2019.

An October BCR will detail plan only the PMB through November fiscal month end, and the non-PMB past October 2019. DOE-RL is aware and a contract modification is in process.

Negotiated Contract Changes:

The Negotiated Contract Cost for September 2019 had an increase of \$0.6M from \$4, 076.0M to \$4,076.6M. The increase was associated with the Contract Mods 835 definitizing the HPMC IT transition technical proposal.



Table 6-1, cont. Format 5, DD Form 2734/5, Explanations and Problem Analysis

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 (2019/08/26)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/09/30)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Changes in Estimated Cost of Authorized Unpriced Work:

The Authorized Unpriced Work (AUW) for the reporting period decreased \$3.3M from \$4.3M to \$1.0M for Project L-612 "230 kV Transmission System Recon & Sustainability". The reduction to AUW is for the Project L-612 work scope from August 2019 not to exceed (NTE) that will not occur within the MSA period of performance through November 25, 2019.

Changes in Estimated Price:

The Estimated Price for September 2019 had an increase of \$14.3M from \$4,236.0M to \$4,250.3M. The Estimated Price includes the Most Likely Management Estimate at Completion (MEAC) of \$4,027.1MM and fee of \$223.2M.

Differences between Current Month and Prior Month EAC's Format 1, Column (13) (e):

During this reporting period, the Estimate at Completion (EAC) increased by \$14.3M from \$4,012.8M to \$4,027.1M. The increase in the PMB and non-PMB EAC during September 2019 is primarily due to FY 2020 Baseline for Option to Extend Services for Contract Extension.

Changes in Undistributed Budget:

The Undistributed Budget for this reporting period decreased \$32.8M from \$55.8M to \$23.0M primarily due to FY 2020 Baseline for Option to Extend Services for Contract Extension.

Changes in Management Reserve:

The MR for this reporting period remained the same at \$0.08M.

Differences in the Performance Measurement Baseline:

This reporting period the Performance Measurement Baseline decreased -\$4.6M from \$2,749.3M to \$2,744.7M.



Table 6-1, cont. Format 5, DD Form 2734/5, Explanations and Problem Analysis

1. Contractor	2. Contract		3. Program	4. Report Period
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b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/09/30)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

The primary reason for the decrease is the reduction in AUW for Reliability Project L-612 work scope that will not be executed during the MSA period of performance. In addition, \$1.3M of UB was transferred from the PMB UB to the non-PMB for the October detail planning of the Request of Services (3001.A4) and DOE Program Direction (3001.A5).

The following BCRs changed the PMB:

- VMSA-19-033 Rev 1 –Partially Delete AUW for L-612, 230kV Trans Sys Recon & Sustainability and Remove from SWS-UB
- VMSA-19-029 Rev 3 – Move Mod 793 from SWS-UB and UBS-UB to the FY 2020 Baseline for Option to Extend Services for Contract Extension

The following Reliability Projects BCRs adjusted time phasing, but did not change the PMB:

- VMSA-19-032 – Move SWS-UB to L-789 Construction for Additional Procurement Scope within the MSA Period of Performance
- VMSA-19-036 – Move Budgets from Various Reliability Project Planning Packages to SWS Undistributed Budget
- VMSA-19-038 – Create a Level 5 WBS for EF32; Rename Planning Package; and Move Budget from SWS-UB for Procurement Support
- VMSA-19-039 – Move Budget to H-001 BMS Upgrade from SWS-UB for Project Management & Procurement Support
- VRL0201MR-19-002 – Administrative BCR – Move RL-0201 Reliability Projects Management Reserve from FY 2019 to November 2019



Table 6-1, cont. Format 5, DD Form 2734/5, Explanations and Problem Analysis

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 (2019/08/26)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/09/30)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

- VRL0201RP-19-003 – Move Budget to L-888 Construction from RP Out Year Planning
- VRL0201RP-19-031 – Create Two Level 5 WBSs for L-612 and Change Coding from GPP to Expense for Cost Corrections

Differences in the Non - Performance Measurement Baseline:

This reporting period the non-PMB increased \$1.9M from \$1,330.9M to \$1,332.8M.

The primary reason for the increase was from transferring \$1.3M from the PMB UB to the non-PMB for October detail planning of the Request for Service (3001.A4) and DOE Program Direction (3001.A5).

The following BCRs changed the non-PMB:

- VMSA-19-029 Rev 3 – Move Mod 793 from SWS-UB and UBS-UB to the FY 2020 Baseline for Option to Extend Services for Contract Extension
- VMSA-19-040 – Mod 835 – Definitization of HPMC IT Work scope Transition to MSA Proposal and Adds Fee

Best/Worst/Most Likely Management Estimate at Completion (MEAC):

The Best Case MEAC assumes the completion of the approved work scope at the current negotiated contract value consistent with the Contract Budget Base. The Most Likely MEAC reflects the EAC including MR. The Worst Case Scenario assumes a 5 percent increase to the Most Likely MEAC case scenario.

7.0 USAGE-BASED SERVICES/DIRECT LABOR ADDER SUMMARY

The Direct Labor Adder (DLA) collects the cost of centralized management, support from others, craft indirect time, and non-labor cost such as training and facilities. These costs are distributed via a rate on direct labor. Usage-Based Services (UBS) are services liquidated to customers (internal and external). The UBS cost is associated with a service and distributed on a unit rate to the customer based upon requests (“pay by the drink”).

Table 7-1. Usage-Based Services/Direct Labor Adder Summary (dollars in thousands).

Fiscal Year 2019 to Date – September 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
Direct Labor Adder					
Software Engineer Services DLA (3001.03.02.03)	\$2,984.6	\$2,984.6	\$2,730.1	\$254.5	(\$2,730.1)
Content & Records Management DLA (3001.03.01.04)	\$672.9	\$672.9	\$859.4	(\$186.5)	(\$859.4)
Transportation DLA (3001.04.06.02)	\$16,374.0	\$16,374.0	\$6,239.2	\$10,134.8	(\$6,239.2)
Maintenance DLA (3001.04.05.02)	\$18,380.0	\$18,380.0	\$9,827.7	\$8,552.3	(\$9,827.7)
Janitorial Services DLA (3001.04.05.03)	\$1,583.0	\$1,583.0	\$1,356.3	\$226.7	(\$1,356.3)
Total Direct Labor Adder	\$39,994.5	\$39,994.5	\$21,012.7	\$18,981.8	(\$21,012.7)

ACWP = Actual Cost of Work Performed. CV = Cost Variance BAC = Budget at Completion. FYTD = Fiscal Year to Date
 BCWP = Budgeted Cost of Work Performed. BCWS = Budgeted Cost of Work Scheduled.



Table 7-1, cont. Usage-Based Services/Direct Labor Adder Summary (dollars in thousands).

Fiscal Year 2019 to Date – September 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
Usage Based Services					
Training (3001.01.04.02)	\$31,014.1	\$31,014.1	\$16,549.2	\$14,464.9	(\$16,549.2)
HRIP (3001.02.04.02)	\$550.7	\$550.7	\$4,214.0	(\$3,663.3)	(\$4,214.0)
Dosimetry (3001.02.04.03)	\$2,599.0	\$2,599.0	\$5,605.2	(\$3,006.2)	(\$5,605.2)
Information Technology Services (3001.03.07.01)	\$33,971.6	\$33,971.6	\$32,983.2	\$988.4	(\$32,983.2)
Work Management (3001.04.13.01)	\$1,692.0	\$1,692.0	\$557.0	\$1,135.0	(\$557.0)
Courier Services (3001.04.15.02)	\$220.3	\$220.3	\$223.1	(\$2.8)	(\$223.1)
Occupancy (3001.04.14.06)	\$14,351.3	\$14,351.3	\$10,062.5	\$4,288.8	(\$10,062.5)
Crane & Rigging (3001.04.08.02)	\$18,702.7	\$18,702.7	\$12,685.5	\$6,017.2	(\$12,685.5)
Guzzler Trucks (3001.04.06.03)	(\$167.4)	(\$167.4)	\$-	(\$167.4)	\$-
Fleet (3001.04.07.02)	\$35,541.5	\$35,541.5	\$18,102.5	\$17,439.0	(\$18,102.5)
Total UBS	\$138,475.8	\$138,475.8	\$100,982.2	\$37,493.6	(\$100,982.2)
Total DLA / UBS	\$178,470.3	\$178,470.3	\$121,994.9	\$56,475.4	(\$121,994.9)

ACWP = Actual Cost of Work Performed.

CV = Cost Variance

BAC = Budget at Completion.

BCWP = Budgeted Cost of Work Performed.

BCWS = Budgeted Cost of Work Scheduled.

FYTD = Fiscal Year to Date

Variance \$56.5M – September’s favorable cost variance is a result of BCWS point adjustments in the prior months involving the FY18/FY19 Pension Proposal Contract Mod and the Contract Mod 760 which incorporated the FY17-FY19 Cost Variance and Request for Equitable Adjustment Proposal. These multi-year impacts, now reflected in the FY19 FYTD BCWS, have resulted in the current substantial FY19 positive variance. The largest impacts are seen in Fleet Services, Training, Crane & Rigging, and Transportation.



8.0 RELIABILITY PROJECT STATUS

Activity in September was centered on continuing progress on projects carried over from FY 2018. (Table 8-1 below.)

Table 8-1. Current Active Reliability Project Summary

Projects to be Completed (\$000's)															
Work Scope Description (Reliability Projects)	Contract to Date - Performance							Project Lifecycle				Completion Dates			VAC Cost
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC	% Complete	Baseline Complete Date	Forecast Date	Schedule at Complete	
L-850, Replace 200W 1.1M-gal PW Tank	899.8	889.1	998.2	(10.7)	(109.2)	0.99	0.89	933.2	1,025.5	(92.3)	95.3%	11/21/19	12/02/19	Y	G
L-849, Replace 200E 1.1M-gal PW Tank	767.3	498.0	615.5	(269.3)	(117.5)	0.65	0.81	767.3	767.8	(0.6)	64.9%	11/05/18	3/05/20	R	G
L-894, Raw Water Cross Connection Isolation 200E/W	8,012.4	7,696.8	6,297.6	(315.6)	1,399.2	0.96	1.22	8,012.4	6,620.2	1,392.2	96.1%	5/06/19	1/28/20	R	G
L-895, Fire Protection Infrastructure for Plateau Raw Water	5,588.8	4,691.2	5,092.4	(897.7)	(401.2)	0.84	0.92	7,573.7	7,564.9	8.8	61.9%	11/25/19	1/08/20	Y	G
L-357, Replace 12" Potable Water Line to 222-S Lab	1,654.4	1,616.5	1,650.7	(37.9)	(34.3)	0.98	0.98	1,654.4	1,692.1	(37.8)	97.7%	7/15/19	12/17/19	R	G
L-781, 181D Vertical Turbine Pumps	605.7	353.1	296.7	(252.6)	56.4	0.58	1.19	605.7	586.2	19.5	58.3%	5/23/19	12/17/19	R	G
L-897, Central Plateau Water Treatment Facility	2,300.9	2,187.1	1,994.3	(113.8)	192.8	0.95	1.10	2,484.8	2,446.2	38.6	88.0%	11/25/19	1/13/20	Y	G
L-826, 181B Vertical Turbine Pumps	605.7	294.1	286.3	(311.6)	7.8	0.49	1.03	605.7	560.7	45.0	48.5%	5/23/19	12/17/19	R	G
L-839, 12" Potable Water Loop Line to WTP	31.7	13.3	8.6	(18.4)	4.7	0.42	1.55	112.0	104.5	7.5	11.9%	11/25/19	1/09/20	Y	G
L-853, 200E Sewer Flow Equalization Facility	6,054.1	6,008.1	6,267.0	(46.0)	(258.9)	0.99	0.96	6,054.2	6,497.2	(443.1)	99.2%	1/28/19	1/16/20	R	R
L-854, 200E Sewer Consolidations	5,960.6	5,733.4	5,719.6	(227.2)	13.8	0.96	1.00	5,960.7	6,019.0	(58.3)	96.2%	4/16/19	1/23/20	R	G
L-789, Prioritize T&D Sys Wood PP Test & Replace	4,184.4	3,818.1	3,936.4	(366.2)	(118.2)	0.91	0.97	5,396.0	5,968.1	(572.1)	70.8%	11/25/19	1/07/20	Y	R

SPI & CPI	
G	>= 0.90
Y	>= 0.70 & < 0.90
R	< 0.70

Schedule at Complete	
G	On schedule
Y	1-30 working days behind schedule
R	>30 working days behind schedule

VAC Cost	
G	Underspent or <100K over
Y	>100K Over Spent
R	>300K Over Spent

Table 8-1. Current Active Reliability Project Summary (cont.)

Projects to be Completed (\$000's)															
Work Scope Description (Reliability Projects)	Contract to Date - Performance							Project Lifecycle				Completion Dates			VAC Cost
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC	% Complete	Baseline Complete Date	Forecast Date	Schedule at Complete	
L-801, Upgrade SCADA	916.9	837.8	851.3	(79.2)	(13.5)	0.91	0.98	1,131.0	1,134.9	(4.0)	74.1%	11/25/19	1/09/20	Y	G
L-791, RFL Transfer Trip Upgrades	943.6	929.4	731.8	(14.2)	197.6	0.98	1.27	943.6	804.3	139.3	98.5%	5/23/19	11/04/19	R	G
L-720, Outdoor Lighting Reconfiguration and Repl	203.0	147.2	246.9	(55.8)	(99.7)	0.72	0.60	203.0	278.2	(75.2)	72.5%	5/15/19	2/10/20	R	G
H-006, 10 CFR 851	2,392.8	1,676.0	1,692.5	(716.8)	(16.5)	0.70	0.99	2,556.2	2,288.9	267.3	65.6%	11/25/19	1/16/20	Y	G
L-859, 1st St frm Canton Ave to IDF Entrance Rd	1,195.2	1,193.5	1,186.7	(1.7)	6.8	1.00	1.01	1,195.2	1,188.4	6.8	99.9%	9/23/19	10/10/19	Y	G
L-888, 400 Area Fire Station	1,278.2	1,259.3	1,194.2	(19.0)	65.1	0.99	1.05	1,542.5	1,467.1	75.4	81.6%	11/25/19	3/02/20	R	G
L-796, Key Facilities Roof Replacements	2,075.3	2,056.2	2,076.1	(19.0)	(19.8)	0.99	0.99	2,075.3	2,077.6	(2.4)	99.1%	9/26/19	10/10/19	Y	G
L-906, HFD Station 92 Expansion	149.5	32.4	200.1	(117.1)	(167.7)	0.22	0.16	149.5	208.5	(59.1)	21.7%	4/10/19	1/14/20	R	G
L-905, FARS & RFARS Replacement & Upgrade	369.4	158.9	163.4	(210.5)	(4.5)	0.43	0.97	641.9	626.8	15.0	24.8%	11/25/19	3/03/20	R	G
L-921, Telecom Hut at Met Tower	90.4	20.7	43.5	(69.7)	(22.8)	0.23	0.48	128.4	141.1	(12.6)	16.1%	11/25/19	2/13/20	R	G
L-919, Emergency Radio Upgrade	97.8	476.0	462.1	378.3	13.9	4.87	1.03	4,232.8	4,270.4	(37.6)	11.2%	11/25/19	1/02/20	Y	G
H-001, BMS Upgrade	332.5	332.5	313.0	0.0	19.6	1.00	1.06	434.6	415.1	19.5	76.5%	11/25/19	12/02/19	Y	G
Total	46,710.3	42,918.6	42,324.5	(3,791.7)	594.1	0.92	1.01	55,393.7	54,753.8	639.9					

SPI & CPI	
G	>= 0.90
Y	>= 0.70 & < 0.90
R	< 0.70

Schedule at Complete	
G	On schedule
Y	1-30 working days behind schedule
R	>30 working days behind schedule

VAC Cost	
G	Underspent or <100K over
Y	>100K Over Spent
R	>300K Over Spent



RELIABILITY STATUS, CONT.

Reliability Projects Variance Explanations

Contract-to-Date (CTD) Schedule Variances (SV):

- L-895, *Fire Protection Infrastructure for Plateau Water*: Unfavorable CTD SV is due to delays in construction activities scheduled to complete this month, including erection of the Variable Frequency Drive (VFD) building in 200E, installation of related heating, ventilation, and air conditioning (HVAC), & programmable logic controller (PLC) procurement and pre-programming.
- H-006, *10CFR 851*: Unfavorable SV is because the breaker maintenance outages were not occurring as planned due to challenges with scheduling the actual outage in the field.

CTD Cost Variances (CV):

- L-894, *Raw Water Cross Connection Isolation 200E/W*: Favorable CTD SV is due to the Engineering Study report costing less than planned (~\$180K), conceptual design utilizing less resources than originally planned (~\$110K), the Definitive Design cost underrun (~\$205K), and the construction contract being awarded for less than the planned value (~\$820K).

Variances at Completion (VAC) (Threshold: +/- \$750K):

- L-894, *Raw Water Cross Connection Isolation 200E/W*: Favorable VAC is due to the firm fixed price construction contract being awarded at less than the planned value, and Architectural/Engineering costs being less than planned.

Table 8 -2. Reliability Projects Schedule Cont.

RPSUM CU - Summary RP Schedule for Melodee - Current Layout: MSA - Summ RP Sched - Melodee - CU		Mission Support Alliance							Page 2 of 2											
Activity ID	Activity Name	OD	RD	% Comp	Baseline Start	Baseline Finish	Forecast Start	Forecast Finish	Gantt Chart											
									2017			2018			2019					
L-859	L-859, 1st St frm Canton Ave to IDF Entrance Rd	143	8	99.9%	04-Mar-19	23-Sep-19	04-Mar-19 A	10-Oct-19	[Gantt bars for L-859 showing completion in late 2019]											
L-888	L-888, 400 Area Fire Station	399	104	81.6%	30-Apr-18	25-Nov-19	30-Apr-18 A	02-Mar-20	[Gantt bars for L-888 showing completion in early 2020]											
L-894	L-894, Raw Water Cross Connection Isolation 200E/W	527	81	96.1%	04-Apr-17	06-May-19	30-Mar-17 A	28-Jan-20	[Gantt bars for L-894 showing completion in late 2019]											
L-895	L-895, Fire Protection Infrastructure for Plateau Raw Water	605	67	61.9%	05-Jul-17	25-Nov-19	05-Jul-17 A	08-Jan-20	[Gantt bars for L-895 showing completion in late 2019]											
L-897	L-897, Central Plateau Water Treatment Facility	503	70	88%	29-Nov-17	25-Nov-19	29-Nov-17 A	13-Jan-20	[Gantt bars for L-897 showing completion in late 2019]											
L-905	L-905, FARS & RFARS Replacement & Upgrade	331	105	24.8%	06-Aug-18	25-Nov-19	06-Aug-18 A	03-Mar-20	[Gantt bars for L-905 showing completion in early 2020]											
L-906	L-906, HFD Station 92 Expansion	142	71	21.7%	17-Sep-18	10-Apr-19	17-Sep-18 A	14-Jan-20	[Gantt bars for L-906 showing completion in early 2020]											
L-919	L-919, Emergency Radio Upgrade	90	63	11.2%	22-Jul-19	25-Nov-19	22-Jul-19 A	02-Jan-20	[Gantt bars for L-919 showing completion in early 2020]											
L-921	L-921, Telecom Hut at Met Tower	178	93	16.1%	18-Mar-19	25-Nov-19	18-Mar-19 A	13-Feb-20	[Gantt bars for L-921 showing completion in early 2020]											

 Remaining Work
 Baseline

MSC - Reliability Projects
Summary Schedule
Data Date: 30-Sep-19





9.0 BASELINE CHANGE REQUEST LOG (BCR)

Baseline Change Request Log for September 2019.

Twelve Baseline Change Requests (BCRs) were processed in September.

Three BCR Authorized by a Contract Modification or RL Direction:

- VMSA-19-029 Rev 3 – Move Mod 793 from SWS-UB and UBS-UB to the FY 2020 Baseline for Option to Extend Services for Contract Extension
- VMSA-19-040 – Mod 835 – Definitization of HPMC IT Work scope Transition to MSA Proposal and Adds Fee
- VSWS-19-009 Rev 1 – Mod 829 – Definitize Site Air Modeling Revised Technical Direction Proposal from SWS-UB to Work scope

Eight BCRs related to Reliability Projects:

- VMSA-19-032 – Move SWS-UB to L-789 Construction for Additional Procurement Scope within the MSA Period of Performance
- VMSA-19-033 Rev 1 – Partially Delete AUW for L-612, 230kV Trans Sys Recon & Sustainability and Remove from SWS-UB
- VMSA-19-036 – Move Budgets from Various Reliability Project Planning Packages to SWS Undistributed Budget
- VMSA-19-038 – Create a Level 5 WBS for EF32; Rename Planning Package; and Move Budget from SWS-UB for Procurement Support
- VMSA-19-039 – Move Budget to H-001 BMS Upgrade from SWS-UB for Project Management & Procurement Support
- VRL0201MR-19-002 – Administrative BCR – Move RL-0201 Reliability Projects Management Reserve from FY 2019 to November 2019
- VRL0201RP-19-003 – Move Budget to L-888 Construction from RP Out Year Planning
- VRL0201RP-19-031 – Create Two Level 5 WBSs for L-612 and Change Coding from GPP to Expense for Cost Corrections

One BCR was Administrative in Nature:

- VMSA-19-004 Rev 11 – Administrative BCR – Create Lower Level Task Order (LLTO) WBSs for Cost Collection Established in the Month of September

Table 9-1. Consolidated Baseline Change Log

Consolidated Baseline Change Log											
\$ in thousands											
		CONTRACT PERIOD BUDGET				POST CONTRACT BUDGET					
PBS/Other	Reporting Baseline	Contract PMB	Contract PMB Mgmt. Reserve	Contract Period Budget (CPB)	Cum Contract Period	FY19 Budget	FY19 Management Reserve	Post Contract Budget	Post Contract Mgmt. Reserve	Total Lifecycle	Cum Lifecycle Budget
1000 HQ - Independent Assessment and Analysis	September 2019	3	0	3	3	0		90		93	93
RL-011 - Transition Costs	September 2019	1,348	0	1,348	1,348	0		(88)		1,260	1,260
RL-011 - Portfolio Management	September 2019	22	0	22	22	0		0		22	22
RL-011 - PFP	September 2019	42		42	42	0		3		45	45
RL-011 - HSPD-12	September 2019	0		0	0	0		609		609	609
RL-012 - Transition Costs	September 2019	519		519	519	0		(33)		486	486
RL-012 - HSPD-12	September 2019	0		0	0	(0)		609		609	609
RL-013 - Transition Costs	September 2019	1,763		1,763	1,763	0		(121)		1,642	1,642
RL-013 - HSPD-12	September 2019	0		0	0	(0)		609		609	609
ORP -014 RP - ORP Projects	September 2019	29		29	29	0		14,509		14,538	14,538
ORP -014 HLCCB - ORP Projects	September 2019	0		0	0	1,200		1,227		1,227	1,227
RL-020 - Transition Costs	September 2019	519		519	519	0		(33)		486	486
RL-020 - SAS	September 2019	283,300		283,300	283,300	98,854		372,458		655,758	655,758
RL-020 - Reliability Projects	September 2019	0		0	0	(422)		5,731		5,731	5,731
RL- 030 - Transition Costs	September 2019	1,556		1,556	1,556	0		(108)		1,448	1,448
RL-030 - Portfolio Management	September 2019	95		95	95	0		(22)		72	72
RL-030 - HSPD-12	September 2019	0		0	0	0		609		609	609
RL-040 - Transition Costs	September 2019	585		585	585	0		(39)		547	547
RL-040 - Land Management	September 2019	9,322		9,322	9,322	0		(3,643)		5,679	5,679
RL-040 - Reliability Projects	September 2019	45,379		45,379	45,379	1,538		33,447		78,826	78,826
RL-040 - HAMMER	September 2019	25,882		25,882	25,882	9,774		41,594		67,476	67,476
RL-040 - Portfolio Management	September 2019	28		28	28	0		(13)		16	16

Table 9-1. Consolidated Baseline Change Log (cont.)

Consolidated Baseline Change Log											
\$ in thousands											
		CONTRACT PERIOD BUDGET				POST CONTRACT BUDGET					
PBS/Other	Reporting Baseline	Contract PMB	Contract PMB Mgmt. Reserve	Contract Period Budget (CPB)	Cum Contract Period	FY19 Budget	FY19 Management Reserve	Post Contract Budget	Post Contract Mgmt. Reserve	Total Lifecycle	Cum Lifecycle Budget
RL-040 General Supply Inventory	September 2019	538		538	538	590		1,613		2,152	2,152
RL-040 HQ HSPD-12 (formerly RL-40 IM)	September 2019	550		550	550	0		31		582	582
RL-040 BMS Transition	September 2019	0		0	0	0		20		20	20
RL-040 Pre-Manhattan Project Facilities	September 2019	0		0	0	70		486		486	486
RL-0100 B Reactor	September 2019	0		0	0	0		(0)		(0)	(0)
RL-041 B Reactor	September 2019	12,313		12,313	12,313	1,017		6,563		18,876	18,876
RL-041 White Bluffs Bank	September 2019	316		316	316	391		1,644		1,960	1,960
RL-041 Task Order Portfolio Management	September 2019	995		995	995	0		154		1,149	1,149
RL Program Direction Task Order	September 2019	201		201	201	(0)		150		351	351
Site Wide Services (SWS)	September 2019	845,200		845,200	845,200	278,793		931,597		1,776,797	1,776,797
RL-0201 Reliability Projects	September 2019	0		0	0	48,494		90,911		90,911	90,911
RL-0201 Pre-Manhattan Project Facilities	September 2019	0		0	0	0		0		0	0
RL-0201 B-Reactor	September 2019	0		0	0	3,754		4,384		4,384	4,384
RL-0201 HAMMER	September 2019	0		0	0	8,500		9,262		9,262	9,262
Total PMB	September 2019	1,230,505		1,230,505	1,230,505	452,554		1,514,212		2,744,718	2,744,718
Request for Services	September 2019	27,304		27,304	27,304	48,945		180,700		208,004	208,004
Usage Based Services	September 2019	577,167		577,167	577,167	212,816		547,585		1,124,752	1,124,752
Non-PMB PMTOs (RL-11)	September 2019	0		0	0	(11)		139		139	139
Non-PMB PMTOs (RL-30)	September 2019	0		0	0	0		12		12	12
Non-PMB PMTOs (RL-40)	September 2019	0		0	0	0		6		6	6
Non-PMB PMTOs (RL-41)	September 2019	0		0	0	0		143		143	143
Non-PMB PMTOs (RL-0201)	September 2019	0		0	0	321		816		816	816
Non-PMB PMTOs (ORP-14)	September 2019	0		0	0	42		42		42	42
Management Reserve (Risk Based)	September 2019		0	0	0		(0)		79	79	79
Fee	September 2019	109,961		109,961	109,961	23,242		113,274		223,234	223,234
Assumed Liquidation Adjustment	September 2019	(464)		(464)	(464)	68		(646)		(1,109)	(1,109)
Contract Total	September 2019	1,944,473	0	1,944,473	1,944,473	737,978		2,356,284	79	4,300,836	4,300,836



10.0 RISK MANAGEMENT

• RISK MANAGEMENT

September risk management efforts, aiding in completing the overall MSA risk determination, included the following:

- The Risk Management Board was held to review and approve the proposed new and closed risks:
 - One Mission risk (risk id 3084) closure related to the MSA Training and Conduct of Ops. (T&CO) organization.
 - One Mission risk (risk id 2078) closure related to the MSA Information Management (IM) organization.
 - One Mission risk (risk id 3074) closure related to the MSA Site Services and Interface Management (SS&IM) organization.
 - Three significant re-characterizations to Mission Risk related to T&CO.
- Mission Risk Management:
 - Mission risk review/updates: Risk register reviews and elicitations were held with the MSA IM organization, Site Services and Infrastructure Management (SS&IM) organization, and T&CO organization. Revisions to the associated risk registers were captured as appropriate.
- Project Risk Management:
 - Reliability Project Risk Review and Updates: A monthly risk review was performed with the Project Managers to review and revise the Reliability Project risk registers for all active projects. Updates to these risk registers were captured as appropriate.
 - Four new Reliability Project risks: One for Project L-781, *181D Vertical Turbine Pumps, Header, Instrumentation, Commission*; one for Project L-826, *181B Vertical Turbine Pumps, Header, Instrumentation, Commission*; one for Project L-895, *Fire Protection Infrastructure for Plateau Raw Water*; and Project L-897, *200 Area Water Treatment Plant (DFLAW Essential)*.
 - One Project Risks was significantly re-characterized: L-888, *400 Area Fire Station*.
 - Two significant re-characterizations to Project Risks related to T&CO.
 - Four Project Risks were closed: two for Project L-789, *Distribution System Refurbishments (DFLAW Priority)*, and two for Project L-894, *Raw Water Cross Connection Isolation 200E /W*.



- One Project Risk (risk id 3053) closure related to the MSA Emergency Services (ES) organization.
- Risk Management staff reviewed the monthly Operations Project Reports for each Reliability Project, and any related Key Risks for monthly reporting to RL.
- Other Support:
 - The Hanford Enterprise Risk and Opportunity Management System (EROMS) Governance Board (EROMS-GB) Plan (HNF-63260) was approved and published for public release. Additional actions in relation to this effort include:
 - Weekly meetings with software development engineers to establish tasks due within the upcoming week.
 - Meeting with Risks representatives from DOE and the other Hanford contractors to discuss EROMS change requests and prioritization.



11.0 DASHBOARD SUMMARY

Table 11-1. Performance Evaluation and Measurement Plan (PEMP)

		September FY 2019			
		Fiscal Year 2019 PEMP			
		Deliverables	Due Date	YTD	SEP
1.0 Effective Site Cleanup - Achievement of cleanup contractors' key milestones and regulatory commitments					
1.1	Demonstrate that the following performance measure targets were met.		9/30/2019	On Schedule	Complete
	a Biological Controls – Pest Removal				
	b Biological Controls – Tumbleweed Removal				
	c Biological Controls – Vegetation				
	d Contractor Assurance System - Assessments				
	e Contractor Assurance System - Causal Analysis				
	f Contractor Assurance - Issue Resolved				
	g Crane and Crew Support				
	h Facilities Maintenance				
	i Fire Systems - Inspection, Testing and Maintenance				
	j Fire Systems - Priority 1 Emergency Impairments				
	k Fire Systems - Priority 2 Emergency Impairments				
	l Fire Systems - Priority 3 Emergency Impairments				
	m Fleet Services – Heavy Equipment (Cranes)				
	n Fleet Services – Heavy Equipment (Excavators)				
	o Fleet Services – Heavy Equipment (General Purpose)				
	p Fleet Services – Light Equipment (Hanford Patrol)				
	q Fleet Services – Light Equipment (Hanford Fire)				
	r Fleet Services – Light Equipment (Special Purpose Trucks)				
	s IT - Cyber Security – System Patching				
t RSS - Dosimetry External Services					
u RSS - Instrument Calibration					

LEGEND

= On Schedule

= Objective missed

= Not Applicable (Updated quarterly)

= Complete

= In jeopardy



Table 11-1, cont. Performance Evaluation and Measurement Plan (PEMP).

		September FY 2019 Fiscal Year 2019 PEMP		Due Date	YTD	SEP
		Deliverables				
1.0 Effective Site Cleanup - Achievement of cleanup contractors' key milestones and regulatory commitments						
1.2		Demonstrate effective management of electric, water and sewer utilities to maximize reliability and redundancy		9/30/2019		
	Water	Maintain Raw Water Pressure at 110 – 130 PSI		9/30/2019		
		Maintain Potable Water Pressure at ICD Level				
		Perform Preventative maintenance at 90% or better each month				
		Maintain backlog corrective maintenance average age of open work packages to 300 days or less				
		Ensure all water quality samples are completed on time				
		Quarterly System Health Report October - December		1/25/2019		
		Quarterly System Health Report January - March		4/25/2019		
		Quarterly System Health Report April - June		7/25/2019		
	Sewer	Perform Preventative maintenance at 90% or better each month		9/30/2019		
		Maintain backlog corrective maintenance average age of open work packages to 300 days or less		1/25/2019		
		Quarterly System Health Report October - December				
		Quarterly System Health Report January - March			4/25/2019	
		Quarterly System Health Report April - June		7/25/2019		
	Electric	Electrical power availability		9/30/2019		
		Perform Preventative maintenance at 90% or better each month				
		Reduce corrective maintenance backlog identified as of October 1, 2018 by 65% no later than September 30, 2019		1/25/2019		
Quarterly System Health Report October - December						
Quarterly System Health Report January - March			4/25/2019			
	Quarterly System Health Report April - June		7/25/2019			
1.3		Demonstrate effective development and management of reliability projects that assure mission milestones and regulatory commitments are met		9/30/2019		
	a	L-894, Raw Water Cross Connections - Complete construction of the cross tie line.		4/8/2019		
	b	L-897, Central Plateau Water Treatment Facility (DFLAW Essential) - Complete 90% of design.		4/30/2019		
	c	L-850, Replace 200W 1.1M-gal PW tank (DFLAW Essential) - Complete 100% of design.		3/1/2019		
	d	L-791, RFL Transfer Trip - Complete design and installation of fiber optic cable from fox box 6FX2 on Pole E2476 to the A6 substation		4/30/2019		
	e	L-357, Obtain signed Construction Completion Document (CCD) for water line at 222-S Complex		8/12/2019		
	f	L-859, Obtain signed Construction Completion Document (CCD) for first street rebuild from Canton Ave to IDF entrance intersection		9/30/2019		
	g	L-854, Obtain signed Construction Completion Document (CCD) for 200E Sewer Consolidations		7/15/2019		

LEGEND

= On Schedule

= Objective missed

= Not Applicable (Updated quarterly)

= Complete

= In jeopardy



Table 11-1, cont. Performance Evaluation and Measurement Plan (PEMP).

		September FY 2019 Fiscal Year 2019 PEMP			
		Deliverables	Due Date	YTD	SEP
2.0 Efficient Site Cleanup - Align resources and capabilities to support the site cleanup mission					
2.1		Maximize efficient MSA use of resources to meet the other Hanford contractors' changing project needs.	9/30/2019		
2.2		Demonstrate effective Hanford Site integration to include, but not limited to, identifying longstanding or emerging issues that affect efficient site operations and provide recommendations for improvement.	9/30/2019		
	a	Through the CLC and CIB processes, provide DOE-RL with an unfiltered, forward looking view of emerging operational, budget, regulatory, or contractual issues.	9/30/2019		
	b	Conduct Operational Excellence Events: 40% of MSA's FY19 Operational Excellence events will be focused on crosscutting inter-contractor Site Integration opportunities.	9/30/2019		
	c	Full implementation of the MSA Assurance system to cover Operations, Financial, Maintenance, Work Management, Emergency Management, Safety and Environmental.	5/25/2019		
	d	Conduct monthly performance reviews using the Mission Assurance System demonstrating achievement of MSA's service levels, key milestones and regulatory commitments using a fully Implemented system.	9/30/2019		
	e	Prepare Transition Plan for contract turnover,	2/28/2019		
	f	Prepare Closeout Plan for MSC closeout. Support activities associated with Contract Closeout (subcontracts, incurred cost submissions/audits, accounting reconciliations, etc.).	4/1/2019		
		One Hanford Approach and End States	9/30/2019		
	g	1) Develop draft integrated Hanford life cycle schedule and brief RL	7/31/2019		
		2) Develop integrated Hanford Life Cycle Cleanup Baseline (HLCCB) key assumption list and submit to RL.	7/31/2019		
		3) Develop integrated Hanford site 2030 storyboard "placemat" and submit to RL.	7/31/2019		
		4) Coordinate and develop the Hanford Integrated Priority List (HIPL)	9/30/2019		
	h	Improving Services Through Efficiency and Technology - Implement Site Integrated Risk Management software	9/30/2019		
		Implement DOE Integrated Contractor Assurance System (iCAS)	7/31/2019		
	i	1) DevonWay Software Acquisition, Objective 1: MSA will obtain and activate the DevonWay software suite "subscription".	7/16/2019		
2) DevonWay Software Training, Objective 2: MSA Performance Oversight personnel will train on the use of the DevonWay software suite.		7/31/2019			
3) DevonWay Software Configuration, Objective 3: MSA Performance Oversight personnel will begin process mapping to identify required reconfiguration of the "baseline" DevonWay software suite to meet MSA's needs.		7/31/2019			
j	Develop and deploy new cloud-based sitewide Learning Management system	9/30/2019			
k	Develop an integrated Hanford resource webpage to provide streamlined access to multi-contractor and DOE hazard communication and information resources.	9/30/2019			
l	Create a draft Hanford Site Unmanned Aerial Vehicle (UAV) Program Plan for DOE review	7/31/2019			
m	Complete the pilot development and field demonstration of the HoloLens technology.	9/30/2019			

LEGEND

= On Schedule

= Objective missed

= Not Applicable (Updated quarterly)

= Complete

= In jeopardy



Table 11-1, cont. Performance Evaluation and Measurement Plan (PEMP).

Deliverables		Due Date	YTD	SEP
2.0 Efficient Site Cleanup - Align resources and capabilities to support the site cleanup mission				
2.1	Maximize efficient MSA use of resources to meet the other Hanford contractors' changing project needs.	9/30/2019		
	Demonstrate consolidation of the Hanford Site infrastructure footprint	9/30/2019		
a	Eliminate 339a as a data center; 339a will store equipment & contain passive fiber cross-connect. Move all HLAN servers and storage to alternate locations including G4 & FPU locations; Move backbone routers and ISP service interfaces to Building 1220.	9/30/2019		
b	Transformer downsize at 242-BL; Downsize 3 phase bank 112.5kVA to 30kVA.	9/30/2019		
c	11-mile pole removal	9/30/2019		
2.3	d Remove 2 10kVA services to Navy SALT Site and 618-7 (with MO420) in the 300 Area.	9/30/2019		
e	Consolidate MO-730 holding tank to 6607-11. Remove holding tank and tie sewer to septic tank and drain field	9/30/2019		
f	Remove sewer system drain field from service at 182B	9/30/2019		
g	U Plant disconnect 1 of 3 services	9/30/2019		
h	Phase 1 Riverland Feeder line removal, to include removal of conductor and hardware	9/30/2019		
i	Remove 14 abandoned light fixtures at A9 (WO 503634)	9/30/2019		
j	Remove 2 old guard rails from 7th & Baltimore - ~75 feet total	9/30/2019		
TOTAL OBJECTIVE FEE POOL				
3.0 Comprehensive Performance				
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.		9/30/2019		
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:				
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				
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				
Safeguards and security, fire department operations, emergency response, and emergency operations/emergency management				
Land Management				
Infrastructure and services program management, operations and maintenance				
Effective contractor human resources management				
Problem identification and corrective action implementation				
Performed work safely and in a compliant manner that assures the workers, public, and environment are protected from adverse consequences				
TOTAL SUBJECTIVE FEE POOL				
TOTAL FEE POOL* (Adjusted for Contract Modifications: 829)				

LEGEND

= On Schedule

= Objective missed

= Not Applicable (Updated quarterly)

= Complete

= In jeopardy

12.0 CONTRACT DELIVERABLES STATUS

The following itemizes the contract deliverables due to RL in September, and provides a look ahead through October 2019.

Table 12-1. September – October 2019 Contract Deliverables

CDRL	Deliverable	Responsible	Date Due	Date Submitted to DOE	RL Action	Response Time	Date Due from DOE	Date Approved by DOE
CD0051	Milestone Review and IAMIT Meeting Minutes - Jul	Wilson	09/05/19		Information	N/A	N/A	
CD0123	Monthly Billing Reports for DOE Services - Aug	Eckman	09/05/19	09/05/19	Information			
CD0144	Monthly Performance Report - Jul	Millikin	09/10/19	09/05/19	Review			
CD0003	Infrastructure and Services Alignment Plan (ISAP)	Synoground	09/20/19	09/18/19	Approve	30 days		
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Jun	Synoground	09/30/19	09/30/19	Review			
CD0035	Hanford Site Wild Land Fire Plan (Update)	Walton	09/30/19	09/17/19	Review			
CD0104a	Annual Update to HNF-56046 MSA Maintenance Mgmt Program Five-Year-Plan	Bates	09/30/19	09/25/19	Review			
CD0009	Patrol Sensitive Equipment/Items Report	Walton	09/30/19	09/05/19	Review	45 days		
CD0021	Hanford System Security Plan (SSP)	Walton	09/30/19	09/26/19	Approve	45 days		
CD0063	Hanford Site Annual Environmental Report	Wilson	09/30/19	09/26/19	Approve	90 days		
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Jul	Synoground	09/30/19	09/30/19	Review			
CD0051	Monthly Performance Report - Jul	Wilson	10/01/19		Information	N/A	N/A	
CD0123	Monthly Billing Reports for DOE Services - Sep	Eckman	10/05/19	10/01/19	Information	N/A	N/A	
CD0124	Quarterly Service Level Report	Eckman	10/10/19	10/09/19	Information	N/A	N/A	
CD0144	Monthly Performance Report - Aug	Millikin	10/10/19	10/08/19	Review	None	N/A	
CD0041	Emergency Readiness Assurance Plan (ERAP)	Walton	10/15/19		Approve	45 days		
CD0178	Quarterly Manpower Reports and Budget Forecasts	Walton	10/16/19		N/A	N/A	N/A	
CD0023a	National Security System (NSS) - Quarterly Status Report	Walton	10/23/19	10/08/19	Review	N/A	N/A	
CD0008	Force-On-Force Test Results	Walton	10/25/19		Review	45 days	N/A	
CD0051	Milestone Review and IAMIT Meeting Minutes - Sep	Wilson	10/30/19		Information	N/A	N/A	
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Aug	Synoground	10/30/19		Review	30 days	N/A	
CD0010	Patrol Security Incident Response Plan (SIRP)	Walton	10/31/19	10/08/19	Approve	45 days	11/22/19	
CD0017a	Human Reliability Program Management Plan	Walton	10/31/19		Review	N/A	N/A	
CD0018a	Workplace Substance Abuse Program Management Plan	Walton	10/31/19		Review	N/A	N/A	
CD0106	List of Facilities to be or that have been CAS Inspected, or no longer meet the Useful Life Inspection Criteria	Synoground	10/31/19		Information	N/A	N/A	

NOTE: Areas shaded in gray indicate delivery to DOE, and when the "Date Approved by DOE" is shaded, approval has been received in return. "Review" responses from DOE are not documented with dates, but shaded when complete.

IAMIT = Interagency Management Integration Team. TPA = Tri-Party Agreement.
 N/A = No action.



12.1 GOVERNMENT-FURNISHED SERVICES/INFORMATION AND DOE DECISIONS

Due to a change to the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Government-Furnished Services and Information (GFS/I) items will no longer be due to MSA this year. Previously, two GFS/I items had been due to MSA in 2019:

- GF049, due June 1, 2019: DOE to provide a Hanford “planning case” budget to prepare the updated Hanford Lifecycle Scope, Schedule, and Cost Report (Lifecycle Report), and
- GF050, due October 31, 2019: DOE Approval of the DRAFT Hanford Lifecycle Scope, Schedule, and Cost Report.

However, the Lifecycle Report has been placed on a three-year cycle to align with the Tank Waste system-planning schedule. As such, the next Hanford Lifecycle Report is now to be submitted by January 31, 2022.