

MISSION SUPPORT ALLIANCE

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



Monthly Performance Report July 2019

R. E. Wilkinson
President

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



This page intentionally left blank.



CONTENTS

EXECUTIVE OVERVIEW

1.0	INTRODUCTION.....	1
1.1	Key Accomplishments.....	1
1.2	Look Ahead.....	7
2.0	ANALYSIS OF FUNDS.....	8
3.0	SAFETY PERFORMANCE	9
4.0	FORMAT 1, DD FORM 2734/1, WORK BREAKDOWN STRUCTURE	13
5.0	FORMAT 3, DD FORM 2734/3, BASELINE	17
6.0	FORMAT 5, DD FORM 2734/5, EXPLANATIONS AND PROBLEM ANALYSIS	19
7.0	USAGE-BASED SERVICES/DIRECT LABOR ADDER SUMMARY.....	26
8.0	RELIABILITY PROJECT STATUS.....	28
9.0	BASELINE CHANGE REQUEST LOG (BCR)	36
10.0	RISK MANAGEMENT	38
11.0	DASHBOARD SUMMARY	40
12.0	CONTRACT DELIVERABLES STATUS	44
12.1	Government-Furnished Services/Information and DOE Decisions	45



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 July 2019.

1.1 KEY ACCOMPLISHMENTS

FY 2019 External Surveillance ISO 14001:2015 Certification Audit – MSA

Environmental Integration Services (EIS) personnel coordinated the external surveillance audit of the Environmental Management System conducted by NSF-International Strategic Registrations July 15 – 17, 2019. The audit resulted in continued ISO 14001:2015 certification, and positive comments with zero incidents of nonconformance. In particular, the environmental enthusiasm present across the entire MSA organization was noted as a major strength, as well as MSA's overall environmental awareness and culture.

Fiscal Year (FY) 2017-2018 Contract Request for Equitable Adjustment Proposals –

MSA submitted to DOE-RL supplemental information for the FY 2017 – 2018 3001.A1/A2 request for equitable adjustment (REA) proposals. The supplemental information, which includes cost element detail and a Contract/Funding comparison table, was reviewed with DOE-RL on July 9, 2019, and transmitted on July 10, 2019. DOE presented follow-up REA questions on July 17, 2019 with MSA draft responses subsequently prepared for management review. The FY 2017 – 2018 REAs will be formally transmitted to DOE-RL with the same information. August 5, 2019 is the targeted submittal date.

Enterprise Risk Opportunity Management System – MSA Software Engineering

Services (SES) released a major version of the Enterprise Risk Opportunity Management System (EROMS) that now allows both multi-tenant and Site-wide capabilities. The multi-tenant version allows system access for MSA, Washington River Protection Solutions (WRPS), DOE-RL, and DOE Office of River Protection (ORP) users. The new version of EROMS will benefit the Hanford Site by providing a single system for all Hanford contractors and DOE entities to utilize.

System Health and Status Reports Published – On July 24, 2019, a total of twelve (12) Key Infrastructure Systems’ health and status reports associated with Electrical, Water, and Sewer Utilities were published and transmitted to DOE-RL. Completing this deliverable satisfied a portion of MSA Performance Incentive 1.2.

Random Drug Testing Program – During July, Human Resources (HR) Employee Relations staff, working in partnership with Personnel Security and MSA Training personnel, developed and implemented the company Random Drug Testing Program for MSA. This program entered more than 3,000 employees into a random drug-testing program, the first of its kind at Hanford. In addition, HR coordinated with the other Hanford contractors to ensure consistent and compliant implementation across the site. Efforts included process, procedure, training and communications strategy, development, and implementation.

Savings in PUREX Tunnel Mitigation – MSA Reliability Projects recently identified approximately \$40,000 in savings by reusing materials initially purchased by CH2M HILL Plateau Remediation Company (CHPRC) in its project to grout two Plutonium Uranium Extraction Plant (PUREX) tunnels. The scope of Project L-859 was to rebuild First Street between Canton Avenue and the entrance to the Integrated Disposal Facility to support the Immobilized Low-Activity Waste transporter. When the first PUREX tunnel collapsed, the project was put on hold while CHPRC developed a mitigation strategy. CHPRC brought in approximately 2,000 tons of engineered fill material to stabilize the gravel road and support the planned truck traffic on First Street. MSA and CHPRC stayed in close communication for two years during the grouting process. When the grouting was completed, MSA resumed execution on Project L-859 by excavating the engineered materials CHPRC had installed and stockpiling them for replacement and compaction to the L-859 Project specifications. By reusing the engineered materials, MSA was able to realize approximately \$40,000 in savings for material and transport costs. The project was completed in late July 2019.



Paving work in progress

Hanford Site Mixed Waste Land Disposal Restrictions (LDR) Full Report – MSA Environmental Integration Services (EIS) staff provided support to DOE with submittal of the Hanford Site Mixed Waste Land Disposal Restrictions (LDR) Full Report to the State of Washington, Department of Ecology (Ecology). Submittal of the LDR Full

Report concludes the comment resolution activities, and resulted in acceptance by Ecology.

Enhancing Reliability of Substation A9 – During July, MSA Electrical Utilities (EU) substation electricians performed the three-year inspections, maintenance, cleaning, exercising, and testing of the A9 Substation 230kV gas circuit breakers and equipment. Enhancing reliability of this facility is a significant effort that must be coordinated with the Bonneville Power Administration, as the bypass configuration heightens electrical outage risk. Items/conditions checked included hydraulics, linkages, densities, moistures, timing, wiring, contacts, paint surfaces, and temperatures.



Testing substation circuit breakers and equipment

Upgrades to 200 West Area Electrical System – In July, EU Lineman upgraded the 2.4kV system in the 200 West Area. The Lineman upgraded cutouts, lightning arrestors, crossarms, and bird guards of 10 services on the 2.4kV system along the eastern perimeter. Upgrades such as these harden the electrical system against a number of hazards, including unplanned outages that can delay critical deliverables of Site cleanup.



Upgrading the 2.4kV system

Riverland Feeder Footprint Reduction – EU lineman, with the support of Teamsters and MSA Radiological Control staff, removed the final section of a 13.8-kilovolt line crossing State Route 24. The line, referred to as “The Riverland Feeder,” was built in 1944, and served as a source of electrical power to the Bonneville Power Administration Midway Substation. Hardware and wire on the approximately five-mile line were removed as a portion of the footprint reduction items planned for FY 2019.



Removal of electrical line in progress

Cask Receipt Support – MSA Crane & Rigging Services personnel provided RH-TRU-72-B Cask receipt support to Pacific Northwest National Laboratory (PNNL) on July 19, 2019. The work involved staging of cask handling equipment, removal of impact limiters, lid removal, relocating inner canister from cask to silo, opening the inner canister, removing the payload, and placing it into an awaiting over-pack drum.



Lifts performed for cask transport

Hanford Fire Department (HFD) Surface Water Rescue Training – HFD personnel conducted Surface Water Rescue Training during the month of July. Firefighters practiced water rescue techniques, which included using rope rescue bags, entering the river and towing both the rescuers and victims back to shore.



Surface Water Rescue Training in progress

Mutual Aid Fires Responses – During July, HFD staff provided support to several mutual aid fires.

- **Power Line Fire** – HFD firefighters assisted Grant County (WA) Fire District 8 respond to a natural ground cover fire on Sunday, July 14, 2019. HFD units provided support for approximately 12 hours, and returned to station without incident.
- **Cold Creek Fire** – HFD staff responded to a fire that originated on the U.S. Fish and Wildlife Service (USFWS)-managed Arid Lands Ecology (ALE) Reserve, and extended onto the Hanford Site July 18-19, 2019. The HFD assumed initial

incident command, was then joined by USFWS personnel in a joint command approach, until the rapidly growing fire was turned over to a Type 3 Incident Management Team. In total, the fire consumed in excess of 42,000 acres; the fire on the Hanford Site was contained at 16.5 acres.

- **Grant County** – On July 29, 2019, HFD firefighters responded to two wildland natural cover fires in Grant County District 8. Upon containment of the first fire, a second fire was located and contained. Both fires were held to less than 20 acres in area.

Disposition of Federal Records Approved – MSA received approval to initiate disposition activities for DOE retired records, with definitive schedules, that are past their retention period. A kickoff meeting was held on July 10, 2019, with the DOE-RL Records Officer, DOE-RL Procurement staff, and MSA Content and Records Management personnel. This activity will appreciably reduce Hanford’s footprint as Hanford records have not been destroyed since 1989 due to Downwinder and other litigation activities.

Block Survey Leads to Discovery of New Artifacts – MSA EIS staff led a National Historic Preservation Act (NHPA), Section 110 Block Survey in July that resulted in the discovery of 13 Manhattan Project Era (pre-1943) artifacts. The block survey of approximately 250 acres was conducted to meet DOE-RL’s requirements under Section 110 of the NHPA, which states that federal agencies are responsible for identifying cultural resources within the lands they manage. This survey location was selected because it had burned in 2018 (improving ground visibility), and had few previous archaeological surveys within the area.



Heinz Ketchup bottle, circa 1905-1918

New Records Website – In July, MSA Software Engineering Services (SES) launched a completely revamped and updated Administrative Record/Public Information Repository (AR/PIR) website. The upgraded website replaced an outdated application that made searching for documents difficult, had security vulnerabilities, and lacked features that modern information consumers expect. The new website’s modern, intuitive interface provides the same functionality as its predecessor, but adds the ability to search the full text of the collection, then sort, filter, export, and/or download search results. Through the new updated website, the public can now intuitively locate and read project details, then write and submit informed comments during public comment opportunities. While these upgrades improve the system’s functionality, they



also help to shape a positive public opinion of the Cleanup Mission's progress at Hanford by providing an effective public feedback and communication mechanism with Hanford leaders.

Direct-Feed Low-Activity Waste (DFLAW) Dashboard – In July, discussions were initiated between MSA Site Mission Integration & Analysis and DOE-ORP personnel to address the conceptual design of the DFLAW Flowsheet Dashboard. Drafting the initial development requirements was begun, along with identifying the feasibility, with the given timeframe, based on the current draft mockups generated. Final approval of the draft mockup is expected to be received in early August 2019.

Hanford Patrol Uniform Change – On July 22, 2109, Hanford Patrol personnel began transitioning to new uniforms. Following multiple tests of different uniforms from various manufacturers, the final decision was based on quality, safety features and appearance. Advance communications that provided descriptions and pictures were sent to Site workers for awareness. Transition of the new uniforms is expected to be complete by fiscal 2019 year end.

Hanford Site Cleanup Tours – During July, MSA hosted nearly 70 visitors attending the Hanford Site Cleanup Tours #11-14. The Hanford Site Cleanup Tours provide members of the public insight into the progress of Hanford's environmental cleanup projects. This year's tour program highlights the Cold Test Facility; the 324 Building Disposition Project; the 200 West Area Groundwater Treatment system; sludge removal in the 100K area; the Waste Treatment and Immobilization Plant; and the PUREX tunnels stabilization progress.

MSA Scholarship Luncheon – On July 11, 2019, MSA HR hosted a luncheon to honor this year's MSA scholarship recipients. In 2019, MSA awarded 65 scholarships for a total of \$68,000. This is MSA's largest scholarship award ceremony since MSA's contract inception. Scholarship recipients and their parents shared in the celebration, along with the MSA Co-Operative interns and their manager/mentors. The event allowed MSA the opportunity to show both parents and students the value MSA places on education.

1.2 LOOK AHEAD

HAMMER Prepares for Surge in Site Electrical Training Demand – HAMMER is preparing for a significant increase in electrical training demand this fall and winter. The demand is driven by Hanford’s urgent need to train workers according to the changes in the updated national electric code, in which all electrical practitioners are required to take either the National Fire Protection Association (NFPA) 2018 or DOE-0359 course to maintain compliance with the program.

Digital Devices at A8 Substation – MSA Electrical Utilities (EU) staff are continuing the conversion of electromechanical equipment to digital. EU is 50% complete with installing all new meters for the cubicle upgrades at the A8 251W Substation. Each cubicle will remove five antiquated relays and replace them with new ones, which will be more powerful, functional, and sensitive. A significant amount of wiring changes, including consolidations, reconfigurations, and terminations will occur to finalize the upgrades. This effort will make the systems more reliable and mission ready.



Converting electromechanical equipment to digital.

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	\$712.9	\$685.5
RL-0020	Safeguards & Security	\$90,966.6	\$83,904.6	\$64,514.9	\$19,389.7
RL-0040	Reliability Projects/HAMMER/ Inventory	\$3,672.0	\$3,672.0	\$1,613.4	\$2,058.6
RL-0201	Hanford Site-Wide Services	\$77,009.0	\$67,466.1	\$42,244.8	\$25,221.3
RL-0041	B Reactor	\$3,298.5	\$3,298.5	\$(1.1)	\$3,299.6
SWS	Site-Wide Services	\$213,620.9	\$204,435.7	\$160,908.8	\$43,526.9
Total		\$389,968.2	\$364,175.3	\$269,993.7	\$94,181.6

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 830, received August 13, 2019.

Based upon FY 2019 forecast the remaining uncosted carryover balance will fund SWS through September 23, 2019 and RL-0020 through September 26, 2019.



3.0 SAFETY PERFORMANCE

During the month of July, MSA experienced three injuries classified as “Recordable.” One of those injuries was also classified as “Days Away, Restricted or Transferred (DART).” Therefore, the Fiscal Year 2019 Total Recordable Case (TRC) rate is 0.64 and the DART rate is 0.45. These rates are below the DOE performance measurement baselines of 1.1 and 0.60, respectively.

Twelve First Aid cases were recorded, which is above the average for a given month. Of those cases, three were a result of insect stings. Employees have been briefed on measures that should be taken to reduce the risk of stings or bites, and actions that should be taken in the event of an insect-related incident. All First Aid cases are closely monitored to determine emerging trends and implement awareness activities, as warranted.



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.

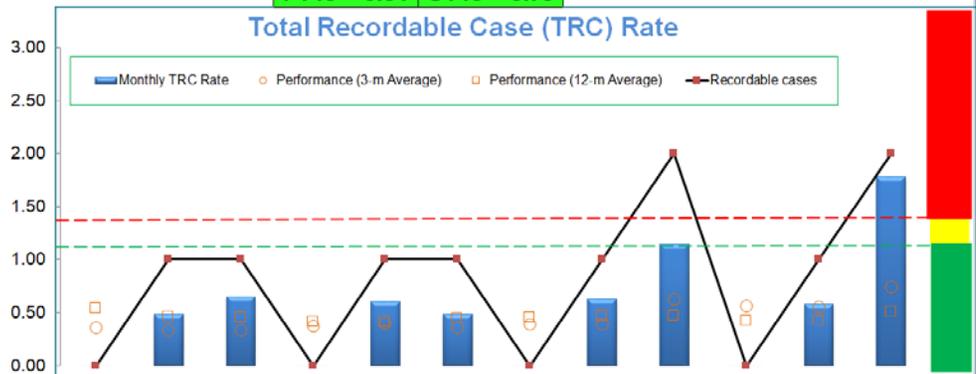
Performance Thresholds

Adverse	> 1.3
Cautionary	1.1 - 1.3
Meets	< 1.1

Performance Data

	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19
Monthly Recordable Cases	0	1	1	0	1	1	0	1	2	0	1	3
Monthly TRC Rate	0.00	0.49	0.65	0.00	0.60	0.48	0.00	0.62	1.15	0.00	0.58	1.78
Performance (3-m Average)	0.36	0.33	0.34	0.37	0.40	0.36	0.39	0.39	0.63	0.56	0.55	0.74
Performance (12-m Average)	0.54	0.46	0.46	0.41	0.41	0.45	0.45	0.47	0.47	0.42	0.42	0.51

FY19 = 0.64 CY19 = 0.79



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:	8/12/2019

Analysis

During the month of July, there were three injuries that classified as "recordable". The following injuries occurred: (1) an employee unloading materials hurt their back; (2) an employee was pulling fiberglass cable and it snapped back toward their face, hit them under the safety glasses and made contact with their eye; and, (3) while attempting to place cardboard deep into the dumpster, they chipped a tooth. FYTD, MSA has experienced 10 OSHA recordable injuries, resulting in a TRC rate of 0.64.

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 (2), slip/trip/fall (3), struck by object (1)
- Body parts that have been affected FY2019:
 - arm (1), knee (1), back (1), shoulder (1), torso (2), ankle (1); tooth (1); head (1), and eye (1)

Action

Injury Prevention Actions:

- All First Aid cases are closely monitored to determine emerging trends and implement awareness activities, as warranted
- MSA continues to emphasize the importance of timely reporting for all injuries and has realized an increase of the reporting of minor injuries
- Discussed injuries and injury rates, including prevention measures to avoid workplace accidents and incidents, EZAC/PZAC and organizational-level safety meetings
- All employee message from Office of the President stressing the need to be especially diligent while at work and stay focused during times of distractions - from hot weather work and pending contract changes to the July 4 holiday and family travel plans.
- Highlighted the following safety topics at back to work meetings for all employees: fireworks' safety; identifying hazards; 360 degree vehicle walk around; mosquito safety; and, refrigerator operability tips.

Additional Info

None



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

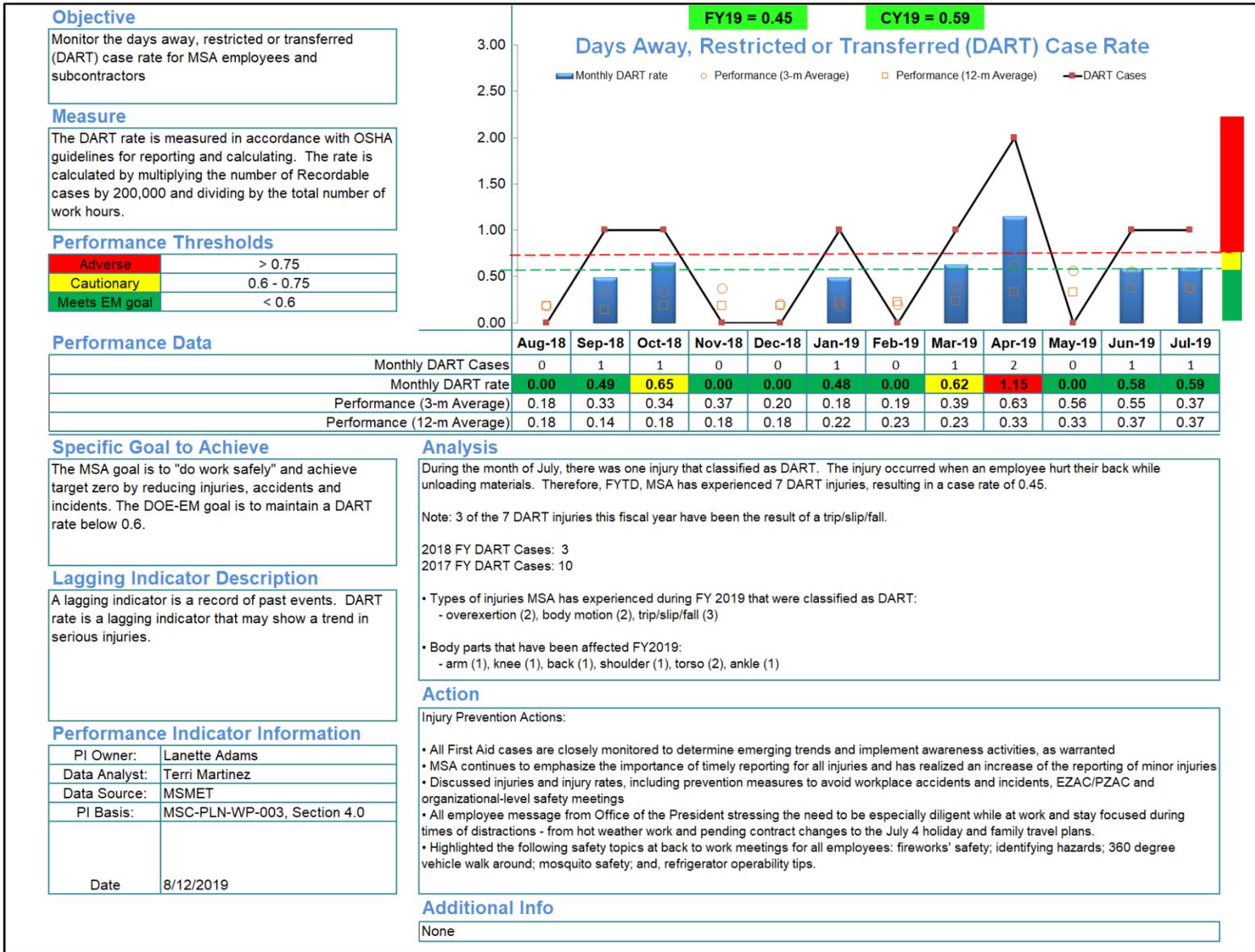
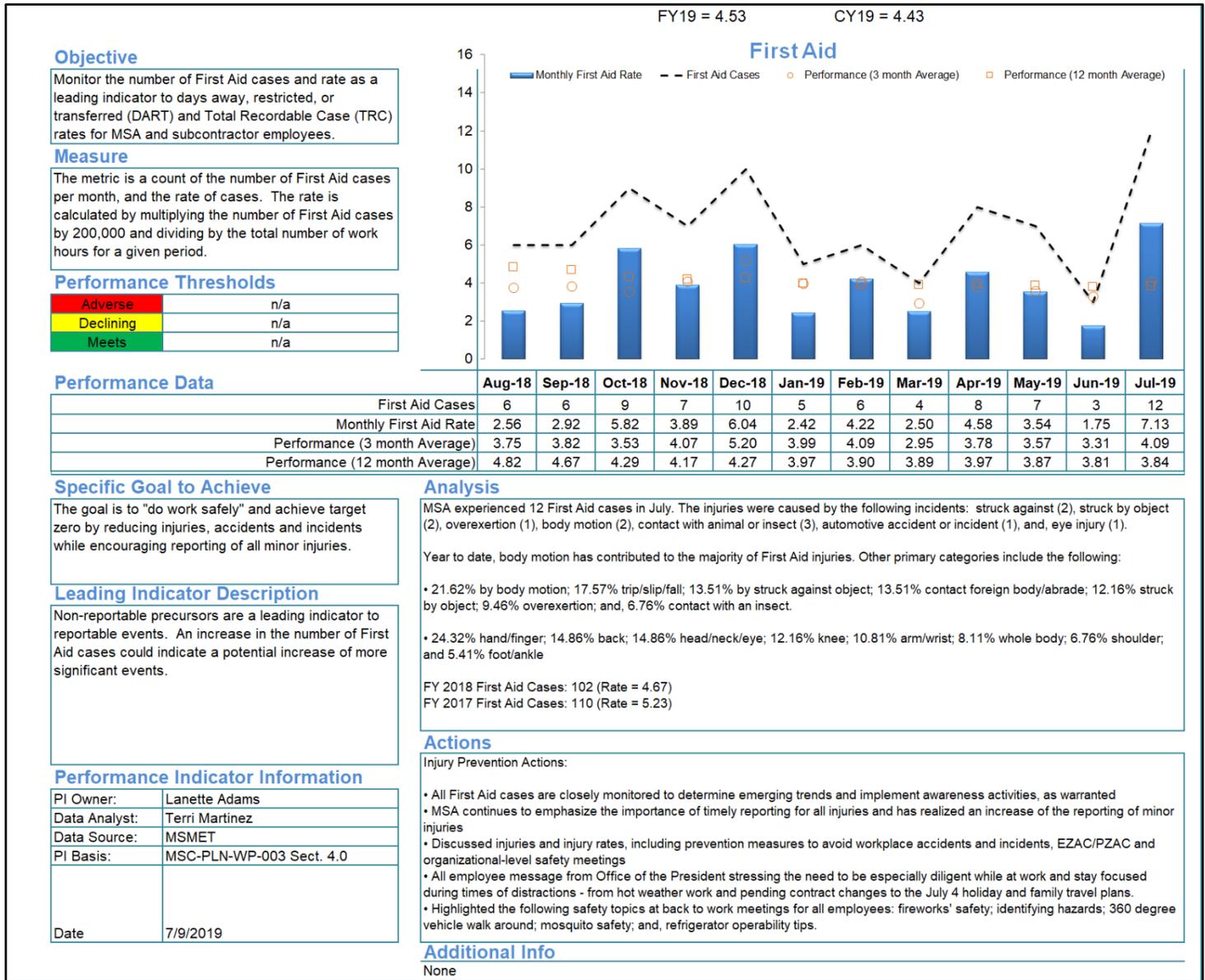




Table 3-3. First-Aid Case Rate





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			2. Contract			3. Program			4. Report Period									
a. Name Mission Support Alliance			a. Name Mission Support Contract			a. Name Mission Support Contract			a. From (2019/06/24)									
b. Location (Address and Zip Code) Richland, WA 99352			b. Number RL14728			b. Phase Operations			b. To (2019/07/21)									
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	\$4,075,371	\$0	\$223,157	\$4,298,529	\$4,237,792	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			\$4,075,371						c. SIGNATURE 			d. DATE SIGNED 8-26-19						
b. WORST CASE			\$4,215,367															
c. MOST LIKELY			\$4,014,635			4,075,371			60,736									
8. PERFORMANCE DATA																		
Item (1)	Current Period					Cumulative to Date					At Completion							
	Budgeted Cost		Actual Cost Work Performed (4)	Variance		Budgeted Cost		Actual Cost Work Performed (9)	Variance		Budgeted (12)	Estimated (13)	Variance (14)					
	Work Scheduled (2)	Work Performed (3)		Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)		Schedule (10)	Cost (11)								
a. WORK BREAKDOWN STRUCTURE ELEMENT																		
3001.01.01 - Safeguards and Security	5,054	5,054	5,117	0	(63)	600,485	600,485	597,493	0	2,992	617,097	613,403	3,694					
3001.01.02 - Fire and Emergency Response	2,809	2,809	3,060	0	(250)	260,609	260,609	260,281	0	327	267,853	268,060	(207)					
3001.01.03 - Emergency Management	330	330	328	0	2	44,565	44,565	44,463	0	102	45,468	45,393	74					
3001.01.04 - HAMMER	532	532	504	0	27	74,465	74,465	71,927	0	2,538	76,285	74,085	2,200					
3001.01.05 - Emergency Services Management	79	79	144	0	(65)	15,998	15,998	15,654	0	344	16,213	16,075	138					
3001.02.01 - Site-Wide Safety Standards	92	92	124	0	(32)	8,440	8,440	9,360	0	(920)	8,672	9,645	(972)					
3001.02.02 - Environmental Integration	322	322	292	0	30	56,483	56,483	55,364	0	1,120	57,361	56,202	1,159					
3001.02.03 - Public Safety & Resource Protection	804	804	739	0	65	70,846	70,846	71,379	0	(533)	73,471	74,196	(726)					
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	85	85	115	0	(30)	33,282	33,282	32,435	0	847	33,512	32,719	793					
3001.03.02 - Information Systems	586	586	553	0	33	117,988	117,988	117,129	0	859	121,200	120,465	735					
3001.03.03 - Infrastructure / Cyber Security	484	484	607	0	(123)	45,119	45,119	44,412	0	707	47,245	47,058	187					
3001.03.04 - Content & Records Management	445	445	433	0	12	68,320	68,320	68,170	0	150	70,080	70,022	58					
3001.03.05 - IR/CM Management	120	120	210	0	(90)	14,229	14,229	14,303	0	(74)	14,551	14,692	(141)					
3001.03.06 - Information Support Services	123	123	158	0	(36)	14,383	14,383	14,406	0	(23)	14,743	14,815	(72)					
3001.04.01 - Roads and Grounds Services	391	391	541	0	(150)	32,116	32,116	32,656	0	(541)	33,039	33,988	(949)					
3001.04.02 - Biological Services	305	305	509	0	(204)	37,747	37,747	37,598	0	149	38,526	38,431	96					
3001.04.03 - Electrical Services	1,398	1,398	1,335	0	63	122,326	122,326	122,181	0	145	125,696	126,201	(505)					
3001.04.04 - Water/Sewer Services	1,456	1,456	1,640	0	(184)	130,604	130,604	129,049	0	1,556	134,139	133,020	1,119					
3001.04.05 - Facility Services	0	0	0	0	0	7,900	7,900	7,900	0	(0)	7,900	7,900	(0)					
3001.04.06 - Transportation	28	28	27	0	1	10,736	10,736	10,711	0	25	10,812	10,786	26					



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 (2019/06/24)					
Mission Support Alliance		Mission Support Contract		Mission Support Contract									
b. Location (Address and Zip Code)		b. Number		b. Phase				b. To (2019/07/21)					
Richland, WA 99352		RL14728		Operations									
c. TYPE		d. Share Ratio		c. EVMS ACCEPTANCE									
		CPAF		No X Yes									
Item (1)	Current Period			Variance		Cumulative to Date			At Completion				
	Budgeted Cost		Actual Cost Work Performed (4)	Schedule (5)	Cost (6)	Budgeted Cost		Actual Cost Work Performed (9)	Variance		Budgeted (12)	Estimated (13)	Variance (14)
	Work Scheduled (2)	Work Performed (3)				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	10	10	0	0	10	690	690	652	0	37	717	683	33
3001.04.10 - Technical Services	388	388	367	0	21	49,692	49,692	50,240	0	(548)	50,745	51,940	(1,196)
3001.04.11 - Energy Management	126	126	104	0	22	12,109	12,109	11,720	0	389	12,441	12,054	387
3001.04.12 - Hanford Historic Buildings Preservation	176	176	187	0	(12)	25,398	25,398	24,585	0	813	25,859	25,217	642
3001.04.13 - Work Management	136	136	124	0	13	15,344	15,344	16,988	0	(1,644)	15,696	17,398	(1,702)
3001.04.14 - Land and Facilities Management	343	343	418	0	(75)	48,702	48,702	46,200	0	2,502	49,638	48,282	1,356
3001.04.15 - Mail & Courier	56	56	52	0	4	7,128	7,128	7,109	0	19	7,246	7,224	22
3001.04.16 - Property Systems/Acquisitions	553	553	721	0	(168)	61,124	61,124	60,630	0	494	62,623	62,303	320
3001.04.17 - General Supplies Inventory	43	43	(28)	0	71	1,968	1,968	936	0	1,032	2,084	1,194	890
3001.04.18 - Maintenance Management Program Implementation	63	63	66	0	(3)	10,490	10,490	10,502	0	(12)	10,664	10,671	(7)
3001.06.01 - Business Operations	955	955	731	0	224	57,088	57,088	18,141	0	38,947	60,305	21,134	39,171
3001.06.02 - Human Resources	260	260	285	0	(25)	26,900	26,900	24,833	0	2,067	27,641	25,596	2,046
3001.06.03 - Safety, Health & Quality	1,495	1,495	1,441	0	54	180,485	180,485	178,242	0	2,243	184,045	182,226	1,819
3001.06.04 - Miscellaneous Support	311	311	301	0	10	53,119	53,119	53,649	0	(530)	53,956	54,559	(602)
3001.06.05 - Presidents Office (G&A nonPMB)	58	58	23	0	35	95	95	38	0	57	516	466	50
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	242	242	172	0	70	59,776	59,776	58,925	0	851	60,436	59,686	751
3001.08.01 - Water System	342	582	541	240	41	43,792	42,658	29,293	(1,134)	13,365	48,735	34,618	14,117
3001.08.02 - Sewer System	0	17	181	17	(164)	17,321	17,048	20,300	(273)	(3,252)	17,321	20,782	(3,460)
3001.08.03 - Electrical System	273	887	555	614	331	22,983	22,531	22,821	(451)	(290)	26,619	26,419	201
3001.08.04 - Roads and Grounds	445	648	663	203	(15)	9,609	9,908	9,402	299	506	10,015	9,438	577
3001.08.05 - Facility System	266	136	120	(131)	16	12,130	12,236	12,518	106	(281)	12,802	13,151	(349)
3001.08.06 - Reliability Projects Studies & Estimates	680	680	697	0	(17)	22,784	22,784	23,936	0	(1,152)	24,639	25,953	(1,315)
3001.08.07 - Reliability Project Spare Parts Inventory	120	120	14	0	107	4,435	4,435	3,742	0	692	4,774	4,050	724
3001.08.08 - Network & Telecommunications System	251	179	183	(72)	(5)	27,376	27,313	29,448	(63)	(2,135)	32,909	35,480	(2,571)
3001.08.09 - Capital Equipment Not Related to Construction	0	0	0	0	0	13,318	12,008	10,835	(1,310)	1,173	15,104	13,725	1,379
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	2,685	1,673	1,012
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													
											34,805	34,805	0
e. SUBTOTAL (Performance Measurement Baseline)													
	23,035	23,906	24,353	871	(448)	2,626,050	2,623,224	2,557,633	(2,826)	65,591	2,744,442	2,682,959	61,483



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 (2019/06/24)									
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728				b. Phase Operations				b. To (2019/07/21)									
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)									
a2. WORK BREAKDOWN STRUCTURE ELEMENT																			
3001.01.04 - HAMMER	1,251	1,251	1,259	0	(8)	145,071	145,071	145,041	0	30	148,532	148,741	(209)						
3001.02.04 - Radiological Site Services	704	704	1,086	0	(382)	65,375	65,375	65,051	0	324	67,116	67,272	(156)						
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	216	216	243	0	(27)	8,986	8,986	8,941	0	45	9,526	9,475	51						
3001.03.04 - Content & Records Management	63	63	65	0	(3)	2,743	2,743	2,751	0	(8)	2,901	2,924	(24)						
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	2,001	2,001	2,320	0	(320)	100,324	100,324	98,711	0	1,613	105,474	105,168	306						
3001.04.05 - Facility Services	853	853	793	0	60	83,318	83,318	82,983	0	334	85,512	85,212	300						
3001.04.06 - Transportation	480	480	693	0	(213)	52,101	52,101	51,658	0	443	53,325	53,187	138						
3001.04.07 - Fleet Services	1,264	1,264	1,316	0	(52)	146,002	146,002	146,235	0	(233)	149,424	150,302	(878)						
3001.04.08 - Crane and Rigging	963	963	1,062	0	(99)	122,301	122,301	121,670	0	631	124,822	124,262	560						
3001.04.10 - Technical Services	234	234	215	0	19	8,927	8,927	8,743	0	184	9,533	9,533	0						
3001.04.13 - Work Management	44	44	57	0	(13)	4,248	4,248	4,243	0	5	4,368	4,393	(25)						
3001.04.14 - Land and Facilities Management	790	790	779	0	10	72,005	72,005	71,724	0	280	73,892	73,735	157						
3001.04.15 - Mail & Courier	19	19	18	0	0	1,692	1,692	1,686	0	7	1,739	1,730	9						
3001.06.01 - Business Operations	828	828	858	0	(30)	111,271	111,271	110,938	0	333	113,850	113,528	322						
3001.06.02 - Human Resources	297	297	289	0	8	31,241	31,241	31,096	0	145	32,117	31,936	182						
3001.06.03 - Safety, Health & Quality	164	164	117	0	47	15,585	15,585	14,783	0	802	16,027	15,073	954						
3001.06.04 - Miscellaneous Support	188	188	200	0	(12)	17,841	17,841	18,605	0	(764)	18,352	19,632	(1,280)						
3001.06.05 - Presidents Office (G&A nonPMB)	240	240	238	0	2	27,522	27,522	27,239	0	282	28,267	28,081	186						
3001.06.06 - Strategy	19	19	13	0	6	3,049	3,049	2,979	0	70	3,101	3,025	76						
3001.A1.01 - Transfer - CHPRC	5,571	5,571	6,117	0	(546)	699,724	699,724	702,298	0	(2,574)	715,156	717,628	(2,471)						
3001.A1.02 - Transfer - WRPS	4,060	4,060	4,650	0	(590)	326,961	326,961	326,551	0	411	338,054	337,226	828						
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	18	18	13	0	5	3,431	3,431	3,477	0	(46)	3,481	3,496	(15)						
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	60	60	45	0	14	3,218	3,218	3,353	0	(135)	3,380	3,614	(234)						
3001.A2.06 - Non-Transfers - BNI Corp	0	0	50	0	(50)	1	1	51	0	(50)	1	51	(50)						
3001.A2.07 - Non-Transfers-WAI	29	29	38	0	(9)	1,265	1,265	1,200	0	64	1,344	1,222	122						
3001.A4.01 - Request for Services	964	964	712	0	252	115,216	115,216	115,770	0	(554)	116,678	116,746	(69)						
3001.A4.02 - HAMMER RFSS	281	281	110	0	171	35,292	35,292	34,256	0	1,036	36,160	34,615	1,545						
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	33	33	38	0	(5)	11,161	11,161	12,486	0	(1,326)	11,250	12,566	(1,316)						
3001.A5.01 - RL PD	28	28	27	0	1	6,607	6,607	6,481	0	126	6,695	6,524	171						
3001.A5.02 - ORP PD	52	52	43	0	9	8,300	8,300	8,402	0	(101)	8,447	8,514	(67)						



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 (2018/06/24)									
b. Location (Address and Zip Code)		b. Number			b. Phase				b. To (2019/07/21)									
Richland, WA 99352		c. TYPE			c. EVMS ACCEPTANCE													
Item (1)	d. Share Ratio	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)				
3001.A5.03 - RL Project Funded		430	430	326	0	104	16,275	16,275	15,306	0	969	17,547	16,598	948				
3001.A5.04 - ORP Project Funded		105	105	85	0	20	7,885	7,885	7,602	0	283	8,136	7,787	349				
3001.A6.01 - Portfolio PMTOs		0	0	0	0	(0)	1,158	1,158	1,104	0	54	1,158	1,104	54				
3001.A7.01 - G&A Liquidations		(1,970)	(1,970)	(2,064)	0	94	(217,144)	(217,144)	(216,188)	0	(955)	(222,958)	(222,061)	(897)				
3001.A7.02 - DLA Liquidations		(1,612)	(1,612)	(1,707)	0	95	(147,292)	(147,292)	(145,879)	0	(1,413)	(151,408)	(150,372)	(1,036)				
3001.A7.03 - Variable Pools Revenue		(7,034)	(7,034)	(8,123)	0	1,089	(713,494)	(713,494)	(713,682)	0	188	(731,842)	(733,264)	1,422				
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											20,002		20,002	0				
e2. SUBTOTAL (Non - Performance Measurement Baseline)		11,632	11,632	11,986	0	(354)	1,279,855	1,279,855	1,280,056	0	(201)	1,330,850	1,331,597	(747)				
f. MANAGEMENT RESERVE											79		79	0				
g. TOTAL		34,667	35,538	36,339	871.0	(801)	3,905,905	3,903,079	3,837,689	(2,826)	65,390	4,075,371	4,014,635	60,736				
9. RECONCILIATION TO CONTRACT BUDGET BASE																		
a. VARIANCE ADJUSTMENT																		
b. TOTAL CONTRACT VARIANCE																		



5.0 FORMAT 3, DD FORM 2734/3, BASELINE

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

CONTRACT PERFORMANCE REPORT													FORM APPROVED OMB No. 0704-0188				
FORMAT 3 - BASELINE											DOLLARS IN Thousands						
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 (2019/06/24)							
b. Location (Address and Zip Code) Richland, WA 99352			b. Number RL14728		b. Phase Operations			b. To (2019/07/21)									
c. TYPE CPAF		d. Share Ratio		c. EVMS ACCEPTANCE No X Yes													
5. CONTRACT DATA																	
a. ORIGINAL NEGOTIATED COST \$2,854,966			b. NEGOTIATED CONTRACT CHANGES \$1,220,405		c. CURRENT NEGOTIATED COST (a+b) \$4,075,371		d. ESTIMATED COST OF UNAUTHORIZED UNPRICED WORK \$0			e. CONTRACT BUDGET BASE (C+D) \$4,075,371		f. TOTAL ALLOCATED BUDGET \$4,075,371		g. DIFFERENCE (E - F) \$0			
h. CONTRACT START DATE 2009/05/24			i. CONTRACT DEFINITIZATION DATE 2009/05/24			j. PLANNED COMPLETION DATE 2019/11/25			k. CONTRACT COMPLETION DATE 2019/11/25		l. ESTIMATED COMPLETION DATE 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								
			AUG FY19 (4)	SEP FY19 (5)	OCT FY19 (6)	NOV FY20 (7)	DEC FY20 (8)	(9)	(10)	(11)	(12)	(13)	(14)				
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	2,603,016	23,026	31,458	50,087	1,572	1,664	19	0	0	0	0	0	0	0	0	33,601	2,744,442
b. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	23,035	(23,026)	292	(2,931)	576	821	28	0	0	0	0	0	0	0	0	1,204	(0)
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	2,626,050		31,750	47,156	2,148	2,485	47	0	0	0	0	0	0	0	0	34,805	2,744,442



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 (2019/06/24)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations				b. To (2019/07/21)								
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)											UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)		
			Six Month Forecast By Month						Remaining Forecast By Month								
			AUG FY19 (4)	SEP FY19 (5)	OCT FY19 (6)	NOV FY20 (7)	DEC FY20 (8)	(9)	(10)	(11)	(12)	(13)	(14)				
a2. NON - PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	1,268,223	11,218	15,035	15,959	0	0	0	0	0	0	0	0	0	0	0	20,002	1,330,436
b2. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	11,632	(11,218)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	414
c2. NON - PERFORMANCE MEASUREMENT BASELINE (End of Period)	1,279,855		15,035	15,959	0	0	0	0	0	0	0	0	0	0	0	20,002	1,330,850
7. MANAGEMENT RESERVE																	79
8. TOTAL	3,905,905	0	46,784	63,114	2,148	2,485	47	0	0	0	0	0	0	0	0	54,807	4,075,371



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 (2019/06/24)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/07/21)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Explanation of Variance /Description of Problem:

Current Month Cost Variance (CV):

3001.01.02 Fire and Emergency – Unfavorable CM CV is primarily due to seasonal fleet maintenance costs and accelerated acquisition of Hanford Fire Department material procurements.

3001.08.03 Electrical System – Primary reasons for a favorable CM CV:

- Project L-801 “Upgrade SCADA”. The favorable CM CV is due to point adjustments from a Baseline Change Request (BCR) processed this month, which aligned the baseline with the design contractor’s pay item schedule.
- Project L-789 “Prioritize T&D Sys Wood PP Test & Replace”. The unfavorable CM CV is due to the scope requiring more lineman hours than were estimated.

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.

3001.A1 – 3001.B1 Non-PMB – Unfavorable CM CV is due to providing more support to CHPRC and WRPS to offset the reduced support provided during the inclement weather earlier in the year.

Impacts – Current Month Cost Variance:

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

Corrective Action – Current Month Cost 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 (2019/06/24)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/07/21)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Current Month Schedule Variance:

3001.08.01 Water System – Favorable CM SV is primarily due to the following conditions:

- Project L-357 “Replace 12-in. Potable Water to 222-S Lab” The favorable CM SV is due to finishing items planned to be completed in prior months.
- Project L-895 “Fire Protection Infrastructure tor PRW” The favorable CM SV is due to procuring the HVAC units and 200W switchgear early, and early procurement and installation of the 200W transformer.

3001.08.03 Electrical System – Favorable CM SV on Project L-801 “Upgrade SCADA” is due to point adjustments from a BCR processed this month, which aligned the baseline with the design contractor’s pay item schedule.

3001.08.04 Roads and Grounds – Favorable CM SV is due to project L-859 “1st St from Canton Ave to IDF Entrance Rd” starting construction earlier than planned.

3001.08.05 Facility System – Unfavorable CM SV on Project L-888 “400 Area Fire Station” due to the review and approval of the 100% Design taking longer than planned.

3001.08.08 Network & Telecommunications Systems – Unfavorable CM SV is due to Project L-905 “FARS & RFARS Replacement & Upgrade” not starting work package development caused by a hold up on the Facility Management Plan approvals.

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 (2019/06/24)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/07/21)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Cumulative Cost Variance:

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" The Engineering Study cost less than planned, the conceptual design utilized fewer resources than originally planned, the Definitive Design experienced cost underruns and the construction contract award was less than the planned value.

Completed projects with CTD CV include the following:

- 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 FY 2019.

Corrective Action - Cumulative Cost 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 (2019/06/24)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/07/21)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Cumulative Schedule Variance:

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

- 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 thorough understanding of and accounting for Site conditions. In June, the project placed fieldwork on hold during preparation of a Design Change Notice and Facility Management Plan.
- Project L-895 “Fire Protection Infrastructure for PRW” has a favorable CTD SV primarily due to completed activities performed ahead of schedule on various construction activities including initiating and/or receiving the procurement of the metal buildings, HVAC units and backup generator.
- 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-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.

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 due to Project H-006 “10 CFR 851”. Unfavorable CTD SV because of scheduling delays on breaker maintenance outages that prevented commencing field work activities.

3001.08.04 Roads and Grounds – Favorable CTD SV is due to Project L-859 “1st Street from Canton Ave to IDF Entrance Rd” starting construction earlier than planned.



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 (2019/06/24)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/07/21)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

3001.08.05 Facility System – Favorable CTD SV on Project L-796 “Key Facilities Roof Replacements” is primarily due to mobilizing and beginning roofing early. The subcontractor utilized the same crew who worked on the other phase 1 buildings which eliminated the four weeks scheduled for training and submittals.

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 scheduled to occur in March 2020.

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 FY 2019.

Negotiated Contract Changes:

The Negotiated Contract Cost for July 2019 had an increase of \$0.5M from \$4,074.9M to \$4,075.4M. The increase was associated with the Contract Mods 820, and 822 definitizing the Proposal for the FY17 and FY 2018 RFS and Fee Proposals.

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 (2019/06/24)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/07/21)
	c. Type CPAF	d. Share Ratio NO X YES	

Changes in Estimated Cost of Authorized Unpriced Work:

The Authorized Unpriced Work (AUW) for the reporting period remained at \$0.0M.

Changes in Estimated Price:

The Estimated Price for July 2019 had a decrease of \$1.0M from \$4,238.8M to \$4,237.8M. The Estimated Price includes the Most Likely Management Estimate at Completion (MEAC) of \$4,014.6M 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) decreased by \$1.3M from 4,015.9M to \$4,014.6M: The decrease in the PMB EAC during July 2019 is primarily due to minor changes to 3001.01.01 Safeguards and Security, 3001.03.05 IR/CM Management, 3001.04.16 Property System /Acquisitions, and 3001.07 Portfolio Management.

Changes in Undistributed Budget:

The Undistributed Budget for this reporting period increased \$1.2M from \$53.6M to \$54.8M due to Reliability Project-related BCRs.

Changes in Management Reserve:

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





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 (2019/06/24)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/07/21)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Differences in the Performance Measurement Baseline:

This reporting period the Performance Measurement Baseline remained the same at 2,744.4M.

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

- VRL0201RP-19-007 Rev 1 – Move Budget from PP-L-789 to L-789 Construction and SWS Undistributed Budget; Extend Schedule for MSA Contract Extension
- VRL0201RP-19-025 – Move Budget from PP-L-801 to L-801 Definitive Design and SWS Undistributed Budget; Re-Plan Definitive Design & Extend Schedule for Contract Extension
- VRL0201RP-19-028 – Create a Level 5 WBS; Move Budget from PP-EC12 to EC12, Replace 80-Ton Hydraulic Truck Mount Crane

Differences in the Non - Performance Measurement Baseline:

This reporting period the non-PMB increased \$.5M from \$1,330.4M to \$1,330.9M.

The following BCRs changed the non-PMB:

- VRFS-19-002 – Mod 820 - Definitization of FY 2017 Request for Services Proposal and Fee
- VRFS-19-003 – Mod 822 - Definitization of FY 2018 Request for Services Proposal and 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 – July 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
Direct Labor Adder					
Software Engineer Services DLA (3001.03.02.03)	\$2,445.1	\$2,445.1	\$2,260.9	\$184.2	(\$2,195.4)
Content & Records Management DLA (3001.03.01.04)	\$515.0	\$515.0	\$678.8	(\$163.8)	(\$646.8)
Transportation DLA (3001.04.06.02)	\$15,149.9	\$15,149.9	\$4,960.3	\$10,189.6	(\$5,286.6)
Maintenance DLA (3001.04.05.02)	\$16,431.0	\$16,431.0	\$8,080.0	\$8,351.0	(\$8,142.9)
Janitorial Services DLA (3001.04.05.03)	\$1,337.8	\$1,337.8	\$1,094.6	\$243.2	(\$1,028.1)
Total Direct Labor Adder	\$35,878.8	\$35,878.8	\$17,074.6	\$18,804.2	(\$17,299.8)

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 – July 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
Usage Based Services					
Training (3001.01.04.02)	\$27,553.8	\$27,553.8	\$13,430.5	\$14,123.3	(\$14,336.0)
HRIP (3001.02.04.02)	(\$235.7)	(\$235.7)	\$3,387.2	(\$3,622.9)	(\$3,724.4)
Dosimetry (3001.02.04.03)	\$1,644.3	\$1,644.3	\$4,591.5	(\$2,947.2)	(\$5,059.2)
Information Technology Services (3001.03.07.01)	\$28,820.9	\$28,820.9	\$25,637.5	\$3,183.4	(\$26,474.5)
Work Management (3001.04.13.01)	\$1,572.8	\$1,572.8	\$476.5	\$1,096.3	(\$457.0)
Courier Services (3001.04.15.02)	\$173.4	\$173.4	\$182.3	(\$8.9)	(\$182.4)
Occupancy (3001.04.14.06)	\$12,463.8	\$12,463.8	\$7,991.4	\$4,472.4	(\$8,440.9)
Crane & Rigging (3001.04.08.02)	\$16,182.3	\$16,182.3	\$10,063.3	\$6,119.0	(\$9,956.7)
Guzzler Trucks (3001.04.06.03)	(\$167.4)	(\$167.4)	\$-	(\$167.4)	\$-
Fleet (3001.04.07.02)	\$32,119.8	\$32,119.8	\$14,058.9	\$18,060.9	(\$14,033.1)
Total UBS	\$120,128.0	\$120,128.0	\$79,819.1	\$40,308.9	(\$82,664.2)
Total DLA / UBS	\$156,006.8	\$156,006.8	\$96,893.7	\$59,113.1	(\$99,964.0)

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 \$59.1M – July’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 July 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	858.2	847.4	947.7	(10.8)	(100.3)	0.99	0.89	933.2	1,008.9	(75.7)	90.8%	11/21/19	11/26/19	Y	G
L-849, Replace 200E 1.1M-gal PW Tank	767.3	492.9	565.3	(274.3)	(72.3)	0.64	0.87	767.3	725.5	41.8	64.2%	11/05/18	12/23/19	R	G
L-894, Raw Water Cross Connection Isolation 200E/W	8,012.4	7,482.3	6,088.6	(530.1)	1,393.8	0.93	1.23	8,012.4	6,271.7	1,740.7	93.4%	5/06/19	1/28/20	R	G
L-895, Fire Protection Infrastructure for Plateau Raw Water	3,263.1	3,716.1	4,216.0	452.9	(500.0)	1.14	0.88	7,573.7	7,560.4	13.3	49.1%	11/25/19	11/25/19	G	G
L-357, Replace 12" Potable Water Line to 222-S Lab	1,654.4	1,560.5	1,379.8	(93.9)	180.7	0.94	1.13	1,654.4	1,577.4	77.0	94.3%	7/15/19	9/30/19	R	G
L-781, 181D Vertical Turbine Pumps	605.7	310.2	271.5	(295.6)	38.6	0.51	1.14	605.7	566.7	39.0	51.2%	5/23/19	11/14/19	R	G
L-897, Central Plateau Water Treatment Facility	2,032.0	2,004.2	1,766.1	(27.8)	238.1	0.99	1.13	2,484.8	2,444.7	40.1	80.7%	11/25/19	11/25/19	G	G
L-826, 181B Vertical Turbine Pumps	605.7	251.2	263.4	(354.5)	(12.2)	0.41	0.95	605.7	563.3	42.4	41.5%	5/23/19	11/14/19	R	G
L-839, 12" Potable Water Loop Line to WTP	7.2	7.1	0.9	(0.1)	6.2	0.99	8.30	112.0	105.7	6.3	6.3%	11/25/19	11/25/19	G	G
L-853, 200E Sewer Flow Equalization Facility	6,054.1	6,008.1	6,214.2	(46.0)	(206.1)	0.99	0.97	6,054.2	6,364.1	(309.9)	99.2%	1/28/19	10/07/19	R	R
L-854, 200E Sewer Consolidations	5,960.6	5,733.4	5,585.2	(227.2)	148.2	0.96	1.03	5,960.7	5,917.0	43.7	96.2%	4/16/19	10/09/19	R	G
L-789, Prioritize T&D Sys Wood PP Test & Replace	2,505.6	2,641.4	2,562.0	135.9	79.5	1.05	1.03	5,088.8	5,198.4	(109.6)	51.9%	11/25/19	11/25/19	G	Y
L-612, 230kV Transmission System Reconditioning and Sustainability Repairs	1,211.4	1,211.4	1,102.0	0.0	109.4	1.00	1.10	1,211.4	1,102.0	109.4	100.0%	5/23/19	5/19/19	G	G

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	735.5	728.4	739.8	(7.0)	(11.4)	0.99	0.98	1,131.0	1,135.4	(4.4)	64.4%	11/25/19	11/25/19	G	G
L-791, RFL Transfer Trip Upgrades	943.6	907.8	673.9	(35.7)	233.9	0.96	1.35	943.6	713.2	230.3	96.2%	5/23/19	9/26/19	R	G
L-720, Outdoor Lighting Reconfiguration and Repl	203.0	133.4	228.6	(69.6)	(95.2)	0.66	0.58	203.0	258.7	(55.8)	65.7%	5/15/19	11/25/19	R	G
H-006, 10 CFR 851	1,898.3	1,423.5	1,366.8	(474.8)	56.7	0.75	1.04	2,556.2	1,803.1	753.1	55.7%	11/25/19	12/26/19	Y	G
L-859, 1st St frm Canton Ave to IDF Entrance Rd	789.0	1,088.0	1,141.3	299.0	(53.3)	1.38	0.95	1,195.2	1,178.0	17.2	91.0%	9/23/19	9/18/19	G	G
L-888, 400 Area Fire Station	1,255.0	1,177.8	1,145.7	(77.3)	32.1	0.94	1.03	1,312.5	1,249.8	62.7	89.7%	11/25/19	1/06/20	Y	G
S-245, Live Fire Shoot House	3,653.2	3,653.0	3,843.6	(0.3)	(190.7)	1.00	0.95	3,653.2	3,845.1	(191.8)	99.99%	10/10/18	8/01/19	R	Y
L-796, Key Facilities Roof Replacements	1,461.1	1,769.9	1,738.2	308.8	31.7	1.21	1.02	2,075.3	2,090.2	(14.9)	85.3%	9/26/19	9/25/19	G	G
L-906, HFD Station 92 Expansion	149.5	24.6	139.3	(124.8)	(114.7)	0.16	0.18	149.5	314.6	(165.1)	16.5%	4/10/19	11/12/19	R	Y
L-905, FARS & RFARS Replacement & Upgrade	162.6	156.2	138.3	(6.4)	17.9	0.96	1.13	641.9	601.2	40.6	24.3%	11/25/19	12/26/19	Y	G
L-921, Telecom Hut at Met Tower	27.5	8.1	23.2	(19.5)	(15.1)	0.29	0.35	128.4	144.5	(16.0)	6.3%	11/25/19	12/16/19	Y	G
L-919, Emergency Radio Upgrade	55.2	8.6	24.8	(46.7)	(16.3)	0.15	0.34	4,232.8	4,235.7	(2.9)	0.2%	11/25/19	2/10/20	R	G
H-001, BMS Upgrade	52.8	62.0	25.8	9.2	36.2	1.18	2.40	332.5	317.9	14.6	18.6%	9/30/19	9/30/19	G	G
Total	44,923.8	43,407.4	42,191.8	(1,516.4)	1,215.6	0.97	1.03	59,619.2	57,293.0	2,326.2					

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-849, *Replace 200E 1.1M-gal PW Tank*: Unfavorable SV is due to additional analysis of firewater demands on the Central Plateau, which delayed design progress. The SV is unrecoverable during current baseline design activities. There is no current impact to the construction schedule because there is no funding for construction in FY 2019.
- L-894, *Raw Water Cross Connection Isolation 200E/W*: Unfavorable SV is primarily a result of contractor downtime in February and March due to adverse weather and in April due to differing site conditions at the 283W filter plant. Fieldwork was on hold during preparation of a Design Change Notice and Facility Management Plan.
- L-895, *Fire Protection Infrastructure for Plateau Raw Water*: Favorable SV is due to claiming performance on or ahead of schedule on various construction activities, including initiating and/or receiving the procurement of the Variable Frequency Drive metal buildings, HVAC units, and backup generator.
- L-357, *Replace 12" Potable Water Line to 222-S Lab*: Unfavorable SV is primarily due to an outage delay to tie-in remaining service connections conflicting with other Hanford contractor operations and delay in final installation of Reduced-Pressure Back-flow Prevention Assemblies (RPBA)s due to redesign of enclosures to accommodate change in end-user requirements.
- L-781, *181-D Vertical Turbine Pumps*: Unfavorable SV is due to delays in awarding the Architecture/Engineering (A/E) design contract and in submitting 30% design due to the inefficient pumping design identified in the preliminary export water (EW) hydraulic analysis.
- L-826, *181-B Vertical Turbine Pumps*: Unfavorable SV is due to a delay in awarding the A/E design contract and submitting 30% design due to the inefficient pumping design identified in the preliminary EW hydraulic analysis.
- L-854, *200E Sewer Consolidations*: Unfavorable SV is due to re-planning of pipe installations on Phase(s) 5 and 6 to accommodate the operation schedule of other Hanford contractors has affected completion of subsequent completion activities.
- L-789, *Prioritize T&D Sys Wood PP Test & Replace*: Favorable SV is due to starting contractor mobilization and contractor training activities ahead of schedule.



- L-720, *Outdoor Lighting Reconfiguration and Repl*: Unfavorable SV is due to being behind schedule on the 60% design package and not starting the 100% design package on schedule because of assigning resources to support higher priority work.
- H-006, *10CFR 851*: Unfavorable SV is because scheduling actual outages for the breaker maintenance are not occurring as planned.
- L-859, *1st St frm Canton Ave to IDF Entrance Rd*: Favorable SV is due to starting construction ahead of schedule.
- L-888, *400 Area Fire Station*: Unfavorable SV is due to delaying the MSA ground scan to begin in October, review and approval of the 100% Design requiring more time than planned, and review of the Statement of Work completing later than planned.
- H-796, *Key Facilities Roof Replacements*: Favorable SV is due to mobilizing and beginning roofing early. The subcontractor utilized the same crew who worked on a similar roofing project that eliminated the four weeks scheduled for training and submittals.
- L-906, *HFD Station 92 Expansion*: Unfavorable SV is due to late issuance of the design services request for proposal, and February/March weather delays that impacted the bid/evaluate/award process.

CTD Cost Variances (CV):

- L-850, *Replace 200W 1.1M-gal PW Tank*: Unfavorable CV is attributable to an accrual for unplanned engineering subcontractor change orders for Definitive Design scope.
- L-849, *Replace 200E 1.1M-gal PW Tank*: Unfavorable CV is attributable to additional analysis for fire water demands on the Central Plateau, sequencing the 60% Design resubmittal to resume after the Project L-850 design was completed, design change orders, and realized risks.
- L-894, *Raw Water Cross Connection Isolation 200E/W*: Favorable CV is due to the Engineering Study report costing less than planned, the conceptual design utilizing fewer resources than originally planned, a Definitive Design cost underrun, and the construction contract being awarded at lower than planned value.
- L-895, *Fire Protection Infrastructure for Plateau Raw Water*: Unfavorable CV is because work became more complex requiring more labor resources than planned due to the addition of upgraded instrumentation and more documents/rigor associated with construction and testing.



- L-357, *Replace 1" Potable Water Line to 222-S Lab*: Favorable CV is attributable to the subcontractor having Hanford site experience and utilizing their own heavy equipment to complete the construction activities.
- L-897, *Central Plateau Water Treatment Facility*: Favorable CV is because of current performance on Design and Design Support activities planned in prior periods, and Conceptual Design under-runs.
- L-853, *200E Sewer Flow Equalization Facility*: Unfavorable CV is attributable to complexity of construction activities that increased training, fleet and material costs.
- L-854, *200E Sewer Consolidations*: Favorable CV is because the fixed price subcontract was awarded for less than the planned value. The favorable CV is forecast to remain through the life of the project.
- L-789, *Prioritize T&D Sys Wood PP Test & Replace*: Favorable CV is because of awarding the Test and Treat contract for less than the planned value.
- L-612, *230kV Transmission System Reconditioning and Sustainability Repairs*: Favorable CV is because work performed for BPA has been less than estimated.
- L-791, *RFL Transfer Trip Upgrades*: Favorable CV is because Phase 1 Construction activities have been less complex than planned.
- L-720, *Outdoor Lighting Reconfiguration and Repl*: Unfavorable CV is due to extended labor required for the 60% Design. The MSA review of the 60% Design is ongoing.
- H-006, *10 10CFR 851*: Favorable CV is because outage costs have been less than planned.
- L-859, *1st St from Canton Ave to IDF Entrance Rd*: Unfavorable CV is because some construction activities started/completed in an earlier time period.
- S-245, *Live Fire Shoot House*: Unfavorable CV is because of costs from the City of Richland (WA) to modify power to the site, additional change orders, training expenses, and additional project support not captured in the baseline.
- L-906, *HFD Station 92 Expansion*: Unfavorable CV is because of activities requiring more MSA labor than planned.

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

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



- H-006, *10 CFR 851*: Favorable VAC is due Water Utilities placing 181/B,D and 182/B,D on hold because of inlet water screen issues which impacted the estimate at completion by \$750K.



9.0 BASELINE CHANGE REQUEST LOG (BCR)

Baseline Change Request Log for July 2019.

Seven Baseline Change Requests (BCRs) were processed in July.

Two BCRs Authorized by a Contract Modification or RL Direction:

- VRFS-19-002 – Mod 820 - Definitization of FY 2017 Request for Services Proposal and Fee
- VRFS-19-003 – Mod 822 - Definitization of FY 2018 Request for Services Proposal and Fee

Three BCRs related to Reliability Projects:

- VRL0201RP-19-007 Rev 1 – Move Budget from PP-L-789 to L-789 Construction and SWS Undistributed Budget; Extend Schedule for MSA Contract Extension
- VRL0201RP-19-025 – Move Budget from PP-L-801 to L-801 Definitive Design and SWS Undistributed Budget; Re-Plan Definitive Design & Extend Schedule for Contract Extension
- VRL0201RP-19-028 – Create a Level 5 WBS; Move Budget from PP-EC12 to EC12, Replace 80-Ton Hydraulic Truck Mount Crane

Two BCRs were Administrative in Nature:

- VMSA-19-004 Rev 9 – Administrative BCR – Create Lower Level Task Order (LLTO) WBSs for Cost Collection Established in the Month of July
- VMSA-19-031 Rev 1 – Administrative BCR – WBS Dictionary for MSC Outgoing Transition Work Scope

Table 9-1. Consolidated Baseline Change Log

Consolidated Baseline Change Log												
\$ in thousands												
						POST CONTRACT BUDGET						
PBS / Other	Reporting Baseline	Contract PMB	Contract PMB Mgmt Reserve	Contract Performance Budget (CPB)	Cum Contract Period	FY19 Budget	FY19 Management Reserve	Post Contract Budget	Post Contract Mgmt Reserve	Total Lifecycle	Cum Lifecycle Budget	
Prior PMB Total	Jun 2019	1,230,506		1,230,506	1,230,506	481,392		1,513,936		2,744,441	2,744,441	
VMSA-19-004 Rev 9						0		0		0	2,744,441	
VMSA-19-031 Rev 1						0		0		0	2,744,441	
VRL0201RP-19-007 Rev 1						(1,212)		0		0	2,744,441	
VRL0201RP-19-025						(214)		0		0	2,744,441	
VRL0201RP-19-028						0		0		0	2,744,441	
Revised PMB Total	Jul 2019	1,230,506		1,230,506	1,230,506	479,966		1,513,936		2,744,441		
Prior Non-PMB Total	Jun 2019	604,007		604,007		271,516		726,430		1,330,436	1,330,436	
VMSA-19-004 Rev 9						0		0		0	1,330,436	
VRFS-19-002						205		205		205	1,330,642	
VRFS-19-003						209		209		209	1,330,850	
Revised Non-PMB Total	Jun 2019	604,007		604,007		271,930		726,844		1,330,850		
Total Contract Performance Baseline	Jun 2019	1,834,513		1,834,513	1,834,513	751,896		2,240,780		4,075,292		
Management Reserve	Jun 2019		0	0			79		79	79	79	
Revised Management Reserve	Jun 2019		0	0			79		79	79		
Total Contract Budget Base	Jun 2019			1,834,513				2,240,858		4,075,371		
Prior Fee Total	Jun 2019	109,961		109,961		23,141		113,158		223,119	223,119	
VRFS-19-002						23		23		23	223,142	
VRFS-19-003						15		15		15	223,157	
Revised Fee Total	Jun 2019	109,961		109,961		23,179		113,196		223,157		
Change Log Total	Jun 2019			1,944,473				2,354,055		4,298,528		



10.0 RISK MANAGEMENT

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

- Mission Risk Management:
 - Operations Change Control Board (OCCB) Packet Review: The OCCB packet was reviewed and assessed for risks for new work scope.
 - Mission Risk Review/Updates: A risk register review was held with MSA Information Management (IM). Revisions to the associated risk register were captured as appropriate.
 - Mission Risk Elicitation: A follow on risk elicitation was held with MSA Environmental, Safety, Health and Quality to continue development of a risk related to Integrated & Site-Wide Safety.
- Project Risk Management:
 - Project Risk Elicitation: Risk Management facilitated a risk elicitation for Project H-002, *Employee Health Records*. Draft risks are in development.
 - Reliability Project Post-Mortem Elicitation: Risk Management facilitated a Post-Mortem elicitation for the Enterprise Risk and Opportunity Management System (EROMS) version 2.5 release project to capture lessons learned, areas to consider in future project planning, and to review risk realized.
 - 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.
 - 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:
 - Risk Register Replacement Software Initiative: Enterprise Risk Opportunity Management System (EROMS) version 2.5 (v2.5) was



released to production in early July. Mission Support Alliance, LLC is working to implement the system by the end of August 2019. Other Hanford Contractor and DOE implementation of the software will follow, pending an additional release to provide a simplified user interface.

- Business Management System (BMS): MSA Risk Management attended and participated in the new site wide quantitative risk software training in early July 2019, along with Risk representatives from each of the Other Hanford Contractors and DOE.
- Budget Exercise Support: MSA Risk Management supported the resubmittal of the FY19 Integrated Investment Portfolio (IIP) budget deliverable.
- The Risk Management Board materials were provided via email for members to review the overall company risk posture associated with June data reflecting the efforts detailed above. The following items were approved:
 - One Mission Risk, related to Information Management, was closed.
 - Ten new Reliability Project risks and Risk Handling Plans: Two each for Projects L-781, *181D Vertical Turbine Pumps, Header, Instrumentation, Commission*, and L-826, *181B Vertical Turbine Pumps, Header, Instrumentation, Commission*; and three each for L-849, *Replace 200E 1.1M gallon PW tank*, and L-850, *Replace 200W 1.1M-gal PW tank (DFLAW Essential)*.
 - Three Project Risks were significantly re-characterized: One related to Project L-612, *230kV Transmission System Reconditioning and Sustainability Repairs (DFLAW High Priority)*; and two related to Project L-791, *RFL Transfer Trip Upgrades*.
- Risk Reporting – In July, in accordance with the MSC-PLN-RIM-42375, *Hanford Mission Support Contract Risk Management Plan*, the monthly Risk Management report was submitted to the RL Contracting Office; this report consisted of June data reflecting the efforts detailed above.



11.0 DASHBOARD SUMMARY

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

		July FY 2019 Fiscal Year 2019 PEMP		
		Deliverables	Due Date	YTD JUL
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	
	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 (Evacuators)		
	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

1.1e -- Red for July and red overall. Due to the negative trend, two Issue Identification Forms (IIFs) have been launched to delve into why so many Causal Analyses are taking longer than 45 days. A Causal Analysis is being performed to determine the corrective actions necessary to prevent recurrence.



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

July FY 2019 Fiscal Year 2019 PEMP						
Deliverables			Due Date	YTD	JUL	
1.0 Effective Site Cleanup - Achievement of cleanup contractors' key milestones and regulatory commitments						
1.2	Water	Demonstrate effective management of electric, water and sewer utilities to maximize reliability and redundancy	9/30/2019			
		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	9/30/2019			
		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				
	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	9/30/2019			
		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					
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

= N/A = Not Applicable (Updated quarterly)

= Complete

= In jeopardy



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

July FY 2019 Fiscal Year 2019 PEMP					
Deliverables			Due Date	YTD	JUL
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		
	g One Hanford Approach and End States		9/30/2019		
	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		
	i Implement DOE Integrated Contractor Assurance System (iCAS)		7/31/2019		
	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).

July FY 2019 Fiscal Year 2019 PEMP					
Deliverables			Due Date	YTD	JUL
2.0 Efficient Site Cleanup - Align resources and capabilities to support the site cleanup mission					
	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: n/a)					

LEGEND

= On Schedule

= Objective missed

= N/A = Not Applicable (Updated quarterly)

= Complete

= In jeopardy

12.0 CONTRACT DELIVERABLES STATUS

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

Table 12-1. July-August 2019 Contract Deliverables

CDRL	Deliverable	Responsible	Date Due	Date Submitted to DOE	RL Action	Response Time	Date Due from DOE	Date Approved by DOE
CD0088	Electrical Metering Plan Progress Report	Synoground	07/01/19	07/01/19	Review			
CD0042	Annual Field Emergency Preparedness Evaluation Exercise Report	Walton	07/03/19	07/02/19	Approve	45 days	08/16/19	
CD0051	Milestone Review and IAMIT Meeting Minutes - May	Wilson	07/05/19	07/25/19	Information	N/A	N/A	N/A
CD0123	Monthly Billing Reports for DOE Services - Jun	Eckman	07/05/19	07/01/19	Information			
CD0124	Quarterly Service Level Report	Eckman	07/10/19	07/10/19	Information			
CD0144	Monthly Performance Report - May	Millikin	07/10/19	07/10/19	Review			
CD0178	Quarterly Manpower Reports and Budget Forecasts	Walton	07/16/19	07/08/19	N/A			
CD0023A	National Security System (NSS) - Quarterly Status Report	Walton	07/23/19	07/23/19	Review			
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Jul	Synoground	07/30/19	07/25/19	Review			
CD0034	Annual Training Needs Forecast and Plan	Metzger	07/31/19	07/31/19	Review			
CD0051	Milestone Review and IAMIT Meeting Minutes - Jun	Wilson	08/05/19		Information	N/A	N/A	N/A
CD0123	Monthly Billing Reports for DOE Services - Jul	Eckman	08/05/19	07/23/19	Review			
CD0144	Monthly Performance Report - Jun	Millikin	08/10/19	08/06/19	Review			
CD0007	Patrol Training Plan	Walton	08/15/19	08/13/19	Approve	45 days	09/27/19	
CD0026	Site Safeguards and Security Plan (SSSP)	Walton	08/30/19					
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Jun	Synoground	08/30/19					
CD0164	Contractor Quality Assurance Program Description (QAPD)	Wilson	08/31/19					
CD0187a	DRAFT - Hanford Lifecycle Scope, Schedule and Cost Report (Lifecycle Report)	Millikin	08/31/19					

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.



This page intentionally left blank.