

MISSION SUPPORT ALLIANCE

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



Monthly Performance Report August 2019

R. E. Wilkinson
President

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



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

TERMS

A&E	Architecture and Engineering
ALARA	As Low as Reasonably Achievable
AMB	Assistant Manager for Business and Financial Operations
AMMS	Assistant Manager for Mission Support
AMRP	Assistant Manager for River and Plateau
AMSE	Assistant Manager for Safety and Environment
ATP	Acceptable Test Procedures
BCR	Baseline Change Request
BPA	Bonneville Power Administration
BIO	Business Integration & Operations
CAS	Contractor Assurance Systems
CHRP	Cultural and Historic Resource Program
CHPRC	CH2MHILL Plateau Remediation Company
CTD	Cost-to-Date
CV	Cost Variance
DART	Days Away Restricted Transferred
DLA	Direct Labor Adder
DOE	U.S. Department of Energy
ECOLOGY	State of Washington, Department of Ecology
EIS	Environmental Integration Services
EM	Office of Environmental Management
EMP	Enhanced Maintenance Program
EOC	Emergency Operations Center
ERDF	Environmental Restoration Disposal Facility
ES	Emergency Services
ESH&Q	Environment, Safety, Health, and Quality
EU	Electrical Utilities
FY	Fiscal Year
FYTD	Fiscal Year to Date
GIS	Geographic Information System
GFS/I	Government-Furnished Services and Information
HAMMER	Volpentest Hazardous Materials Management and Emergency Response Training and Education Center

ACRONYMS LISTING



HCAB	Hanford Contract Alignment Board
HLAN	Hanford Local Area Network
HMAPS	Hanford Maps
HQ	Headquarters
HR	Human Resources
HRIP	Hanford Radiological Instrumentation Program
HSPD	Homeland Security Presidential Directive
ICWO	Inter-Contractor Work Order
IH	Industrial Hygiene
IM	Information Management
IIP	Integrated Investment Portfolio
IPT	Integrated Project Team
ISAP	Infrastructure and Services Alignment Plan
ISMS	Integrated Safety Management System
IT	Information Technology
LLTO	Lower Level Task Order
MOA	Memorandum of Agreement
MSA	Mission Support Alliance, LLC
MSC	Mission Support Contract
NEPA	National Environmental Policy Act
NOC	Network Operations Center
OCCB	Operational Change Control Board
OTP	Operational Test Procedures
ORP	Office of River Protection
OSHA	Occupational Safety and Health Administration
PFM	Portfolio Management
PFP	Plutonium Finishing Plant
PMB	Performance Measurement Baseline
PMTO	Portfolio Management Task Order
PNNL	Pacific Northwest National Laboratory
PO	Presidents Office
POSP	Parent Organization Support Plan
PPE	Personal Protection Equipment
PTA	Patrol Training Academy
PRC	Plateau Remediation Company
PW	Public Works
RES	Real Estate Services

ACRONYMS LISTING



RFS	Request for Service
RMB	Risk Management Board
ROD	Record of Decision
RHP	Risk Handling Plan
RL	Richland Operations Office
RPIP	Reliability Project Investment Portfolio
SAS	Safeguards & Security
SNM	Spent Nuclear Material
SS&IM	Site Services and Interface Management
SV	Scheduled Variance
T&CO	Training and Conduct of Operations
TRC	Total Recordable Case
UBS	Usage-Based Services
VAC	Variance at Completion
VoIP	Voice over Internet Protocol
VPP	Voluntary Protection Program
WBS	Work Breakdown Structure
WRPS	Washington River Protection Solutions, LLC



1.0 INTRODUCTION

The Executive Overview section is intended to provide an executive-level performance overview. Included herein are descriptions of the Mission Support Alliance, LLC (MSA) significant accomplishments considered to have made the greatest contribution toward safe, environmentally sound, and cost-effective, mission-oriented services; progress against the contract with U.S. Department of Energy (DOE) Richland Operations Office (RL); project cost summary analysis; and overviews of safety. Unless otherwise noted, all data provided is through August 2019.

1.1 KEY ACCOMPLISHMENTS

MSA Receives Voluntary Protection Program (VPP) Recognition – During the National Voluntary Protection Program Participants’ Association (VPPPA) Safety & Health conference in New Orleans, MSA was recognized with three VPP “STAR of Excellence” awards. Mission Support Services, Safeguards and Security, and the Volpentest HAMMER Federal Training Center (HAMMER) have maintained Star Status for continuing to have an outstanding level of performance that meets the VPP established safety and health goals, actively conducting outreach goals to others and maintaining an injury and illness rate that is 75 percent lower than industry average.

MSA Earns Sustainability Award – The DOE awarded MSA an honorable mention in the Outstanding Sustainability Program/Project category for the 2019 Sustainability Awards. In 2018, Environmental Compliance and Sustainability saved 1.2 million kilowatt hours and found over \$279,000 in incentives for Hanford contractors through projects that qualified for the Bonneville Power Administration’s incentive program. In 2019, \$410,000 in incentives were earned and 1.75 million kilowatt hours were saved. The money from these energy incentives is reinvested at the Hanford Site.

MSA Procedure System Index Implemented – The implementation of the MSA Procedure System Index is complete. The Index provides access to all level 1-3 documents stored in the MSA Procedure System by Functional Service Area and Department. There are currently 1,796 plans, procedures, policies and related documents in the system.

HAMMER Supports Hurricane Dorian Response Efforts – The week of August 26, 2019, and through the following weekend, the Hazardous Materials Management and Emergency Response (HAMMER) Emergency Support Function #12 team (ESF #12) provided active response support personnel as Hurricane Dorian approached the country’s eastern coast. HAMMER deployed ESF #12 team members ahead of the storm to the Federal Emergency Management Agency (FEMA) Headquarters in Washington,

D.C.; to the Regional Response Coordination Center for Region IV in Atlanta, Georgia; and to the State Emergency Operations Centers (EOCs) in Florida, Georgia, South Carolina, and North Carolina. Responders helped coordinate preparations for evacuations and energy restoration activities, and provided technical expertise answering critical requests for information on energy issues to enable federal, regional, and state agencies to restore those services more quickly after the storm has passed.

MSA Contract Transition Plan – MSA’s Outgoing Contract Transition Plan was submitted to DOE on May 29, 2019. MSA received additional DOE-RL comments to the Transition Plan on August 19, 2019. Responses were prepared to this second round of comments, and the Contract Transition Plan was updated accordingly for transmittal to DOE in early September 2019. Additionally, MSA has prepared contract transition briefings for each functional organization.

Environmental Activity Screening System Now Available – The new Enterprise Service Platform-based Environmental Activity screening system is now available for use. This system screens work activities that involve interaction with the environment and offers a more concise and intuitive initiation form. Environmental Compliance Officers will now screen work activities for applicability of environmental requirements for each environmental area (air, water, waste, etc.) in support of projects.

Fire Systems Maintenance Integrated Safety Management System (ISMS)

Surveillance – The MSA ISMS Surveillance Team completed their surveillance of the Hanford Fire Department (HFD) Fire Systems Maintenance function. The team observed several briefings, fieldwork, inspection and testing, and station maintenance activities. The results of the surveillance included two Good Practices and four Satisfactory Functional Elements.

HFD Supports Rattlesnake Springs Mutual Aid Fire – In August, members of the HFD responded to the Rattlesnake Springs mutual aid fire on United States Fish and Wildlife (USFW) land near the Hanford Site. HFD’s actions protected two meteorology towers and instrumentation from damage by the fire.

*Emergency
Operations
Center
Met Tower*



*Station 4
Met
Tower*

Fire Hydrant Repair – On August 17, 2019, a number of workers – including Pipefitters, Riggers, a Crane Operator, a Heavy Equipment Operator, Carpenters, and Teamsters – were required to effect the repair of a malfunctioning hydrant at the 222T facility. An inspection of the hydrant revealed that the barrel drains were plugged with soil and debris, causing the upper portion of the hydrant to stay filled with water after the hydrant was closed. A new gate valve was installed, leaving the existing hydrant in place. After MSA Water Utilities staff verified that the hydrant had been repaired and functioning properly, the excavated area was backfilled, bollards installed, and a form for concrete was constructed at the valve box. The hydrant was then placed back into service.



Excavation and repair of water hydrant

Saltwell Screen Removal Project – MSA Crane & Rigging workers provided support to Washington River Protection Solutions (WRPS) during the AW-104 Saltwell Screen removal project. The screen removal makes room for installation of a new vertical turbine supernat pump, a critical path for future double-shell tank (DST) waste transfers and future 242-A Evaporator campaigns, which are integral to managing DST storage space. Once the saltwell screen was removed and packaged, two cranes were used to maneuver the screen into a concrete disposal box. WRPS attributed success of the pull on support they received from a number of teams, including Crane & Rigging.



Saltwell screen removed and placed in concrete disposal box

Replacement of “No Trespassing” Signs – Approximately 159 damaged or missing “No Trespassing” signs along the Columbia River were replaced during maintenance activities in FY 2019. These signs are necessary to ensure compliance with the Hanford Site Resource Conservation and Recovery Act (RCRA) operating permit, institutional controls, and security requirements.

*Replacement of a faded/damaged
“No Trespassing” sign*



Washout Repair – The thunderstorm and heavy rainfall on August 10, 2019, caused the largest washouts of the bank behind Mobile Office (MO) 276 since the trailer was installed back in 1992. The washouts impacted half of the driving lane/fire lane on the north side of the building. Motor Carrier Services personnel were contacted and completed repairs to the bank and road.



Washout and road/bank repair

New Search Tool Created – MSA Content & Records Management (CRM) personnel have created a new Search All Metadata (SAM) search tool for the State of Washington, Department of Ecology (Ecology). The new Ecology SAM will help by providing additional metadata fields for consideration when requesting documents from DOE. Ecology SAM was provided to Ecology for a pilot on August 13, 2019. The original SAM was developed as a metadata search tool, providing fast searches on selected sets of Integrated Document Management System (IDMS) documents to which users may not have search access. SAM now allows users to find documents, request access to view them, and keep information flowing at Hanford.

MSA Leads Leave Review Task Force – A core group of representatives from each of the prime contractors, led by MSA as the site integrator, has initiated the establishment



of the rules and roles for the new Washington State paid Family Medical Leave Act (FMLA) program, and the impacts to Site business processes. Actions taken to date have included a complete review of all pay, earning and hours codes to determine applicability; development of a worksheet to track questions and answers; and a timeline to monitor progress.

New Buyers Technical Representative (BTR) Program Team – A new BTR Program team was formed to initiate the development of a more robust BTR Program. Members of the new team work in the areas of Safety and Health Program Support, Fleet Management, Business and Training Services - HAMMER, and Acquisition Management. The new members of this team will help bring a field perspective to the program, and help ensure the right level of training is delivered to the BTRs as well as the development of better tools to support the function.

Dashboards Activities – Included in August:

- The DOE-RL Procurement Dashboard development and testing are complete.
- The Maintenance Dashboard was released to Production on August 6, 2019. Internal testing was completed in July and the customer reviewed for approval to go to Production.
- A new dashboard (called the MSA Statistics Dashboard) was developed for the Office of the MSA Chief of Staff. This dashboard allows a one-stop shop for various stats about MSA, so that when numbers are needed to generate reports or pamphlets, it is readily available. Already tested and approved for Production release by the customer, release is targeted in September, before the end of the fiscal year.

1.2 LOOK AHEAD

Surge Expected in Site Electrical Training Demand – The Volpentest HAMMER Federal Training Center 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 the DOE-0359 course to maintain compliance with the program.

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	\$875.3	\$523.1
RL-0020	Safeguards & Security	\$90,966.6	\$88,063.6	\$72,209.4	\$15,854.2
RL-0040	Reliability Projects/HAMMER/ Inventory	\$3,672.0	\$3,672.0	\$1,630.0	\$2,042.0
RL-0201	Hanford Site-Wide Services	\$77,009.0	\$68,953.1	\$46,533.9	\$22,419.2
RL-0041	B Reactor	\$-	\$(1.1)	\$(1.1)	\$-
SWS	Site-Wide Services	\$213,620.9	\$209,318.9	\$182,028.1	\$27,290.8
Total		\$386,669.7	\$371,404.9	\$303,275.6	\$68,129.3

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

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

SWS = Site-Wide Services.

* Funds for Historical Preservation under RL-0041 were transferred to local use code for SWS on Mod 830 dated August 13, 2019. Pending RL direction for change to MSA Expected Funding.

** Funds received through Contract Modification 834, received September 5, 2019.

Based upon FY19 forecast the remaining uncosted carryover balance will fund SWS through October 2, 2019 and RL-20 through October 16, 2019.



3.0 SAFETY PERFORMANCE

During the month of August, MSA had no injuries classified as “Recordable.” As a result, the Fiscal Year 2019 Total Recordable Case (TRC) rate is 0.51 and the DART rate is 0.36. These rates are below the DOE performance measurement baselines of 1.1 and 0.60, respectively. Four First Aid cases were recorded, which is below the average for MSA on a given month.

There were no vehicle accidents reported during August, as MSA continues to implement actions in support of Hanford traffic safety initiatives. Recent activities include distributing a Hanford Site bulletin and associated video on intersection safety to all employees. The video, developed by contractor representatives from the Sitewide Traffic Safety Committee, has been the topic of discussion at various meetings during the month.



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.

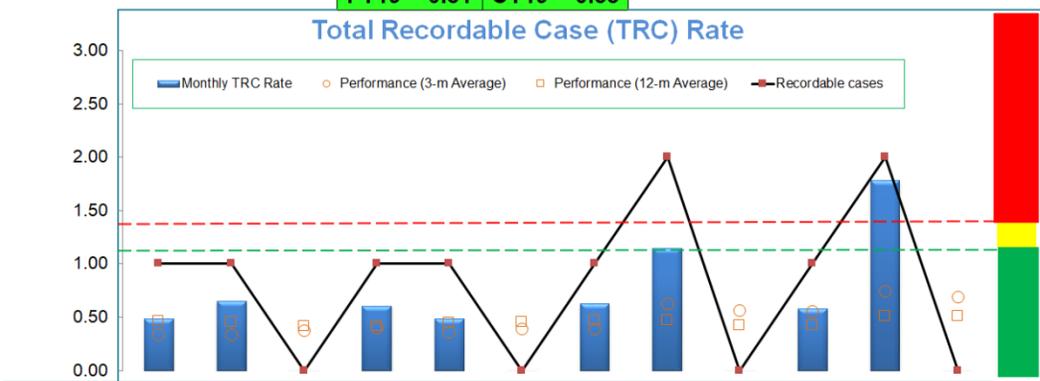
Performance Thresholds

Adverse	> 1.3
Cautionary	1.1 - 1.3
Meets	< 1.1

Performance Data

	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Monthly Recordable Cases	1	1	0	1	1	0	1	2	0	1	3	0
Monthly TRC Rate	0.49	0.65	0.00	0.60	0.48	0.00	0.62	1.15	0.00	0.58	1.78	0.00
Performance (3-m Average)	0.33	0.34	0.37	0.40	0.36	0.39	0.39	0.63	0.56	0.55	0.74	0.69
Performance (12-m Average)	0.46	0.46	0.41	0.41	0.45	0.45	0.47	0.47	0.42	0.42	0.51	0.51

FY19 = 0.51 CY19 = 0.55



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:	9/9/2019

Analysis

MSA experienced 4 First Aid cases in August. The injuries were caused by the following incidents: struck against (2); contact with animal or insect (1); and, caught in, on, under, between (1).

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

- 21% by body motion; 17% trip/slip/fall; 14% by struck against object; 13% contact foreign body/abrade; 14% struck by object; 9% overexertion; and, 8% contact with an insect.
- 19% hand/finger; 14% back; 12% head/neck/eye; 13% knee; 13% arm/wrist; 10% torso; 10% shoulder; and 5% foot/ankle

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

Action

Injury Prevention Actions:

- Closely monitored all First Aid cases to determine emerging trends and implement awareness activities, as warranted
- Continued to emphasize the importance of timely reporting for all injuries
- Discussed injuries and injury rates, including prevention measures to avoid workplace accidents and incidents, at EZAC/PZAC and organizational-level safety meetings
- Issued the summer edition of the MSA Streamline that contains safety articles and strong safety focus throughout the publication (mailed to all employees' homes)
- Highlighted the following 24/7 safety topics at back to work meetings for all employees: UV ray awareness, drowning awareness, dangers of complacency, and crosswalk & Labor Day safety
- Continued employee participation in the 24/7 Summer Safety Campaign

Additional Info

None

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

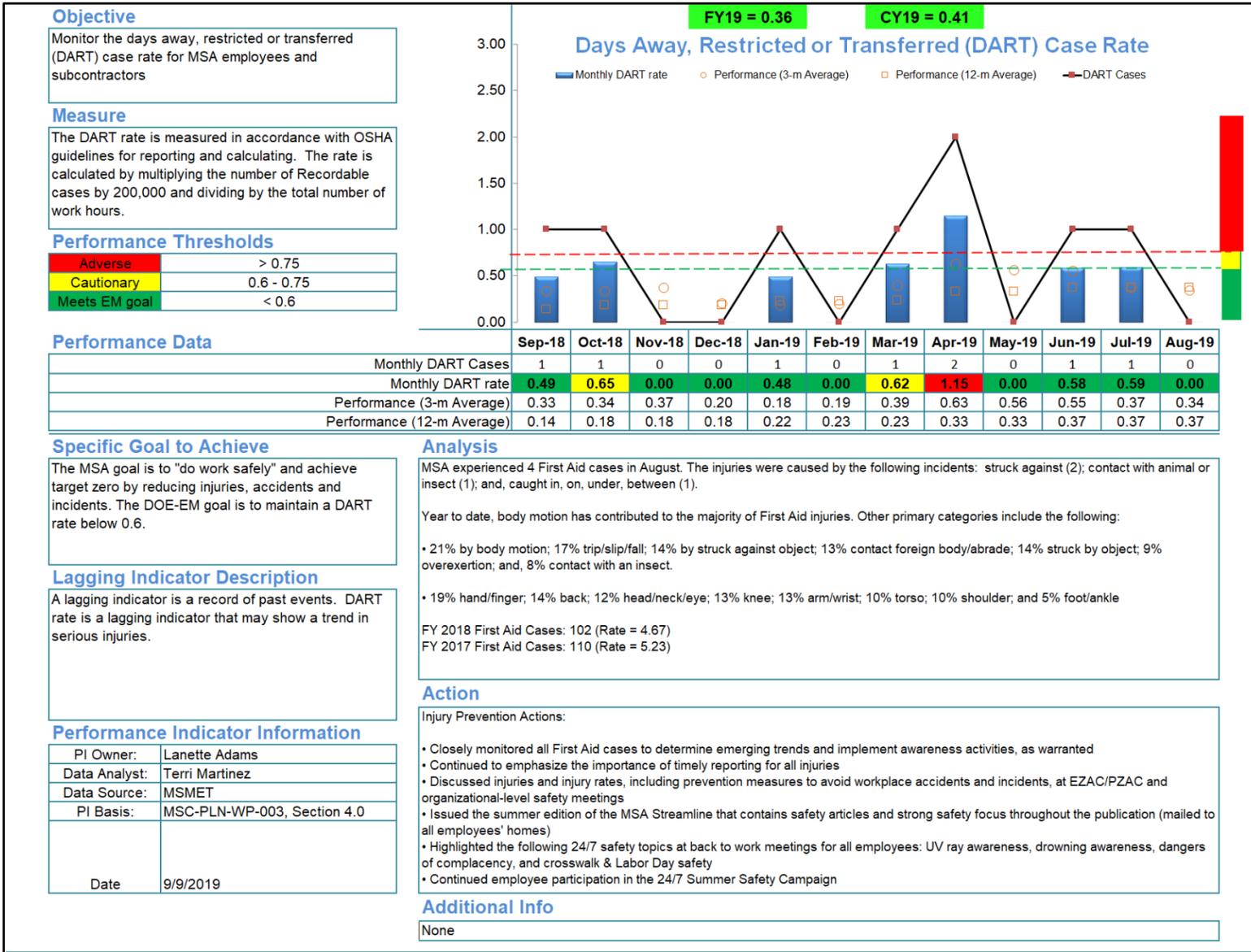
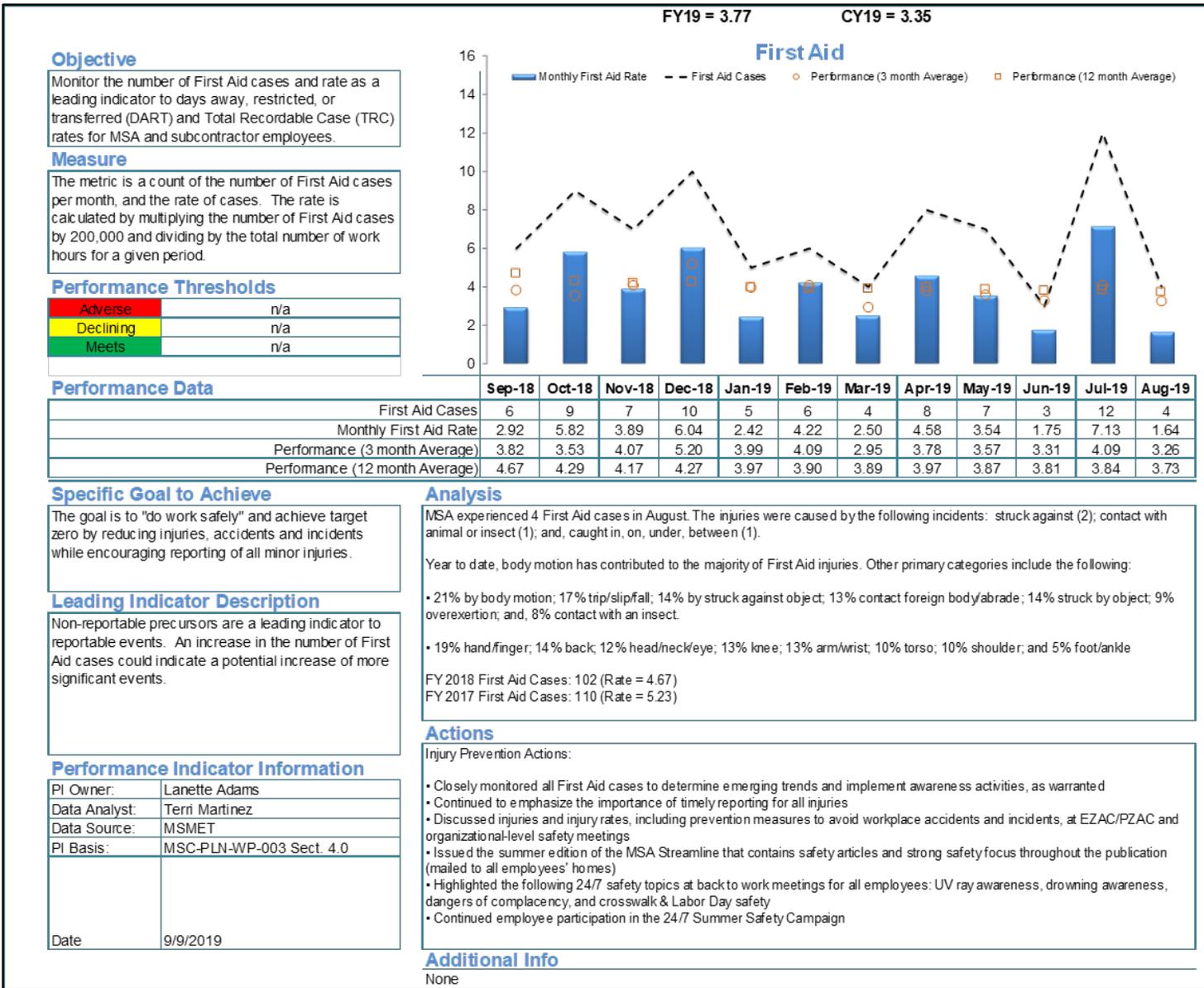




Table 3-3. First-Aid Case Rate





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 (2018/07/22)										
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2019/08/25)										
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	\$4,075,953	\$4,300	\$223,194	\$4,299,148	\$4,236,001	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			\$4,080,252				c. SIGNATURE <i>[Signature]</i>			d. DATE SIGNED 8/19/19								
b. WORST CASE			\$4,213,447															
c. MOST LIKELY			\$4,012,807		4,080,253		67,446											
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	6,649	6,649	6,472	0	177	607,134	607,134	603,965	0	3,169	617,097	612,489	4,608					
3001.01.02 - Fire and Emergency Response	3,730	3,730	4,120	0	(390)	264,339	264,339	264,402	0	(63)	267,853	268,106	(253)					
3001.01.03 - Emergency Management	446	446	451	0	(5)	45,011	45,011	44,914	0	98	45,468	45,394	74					
3001.01.04 - HAMMER	722	722	666	0	56	75,187	75,187	72,593	0	2,594	76,285	73,419	2,866					
3001.01.05 - Emergency Services Management	106	106	233	0	(127)	16,104	16,104	15,887	0	217	16,213	16,087	126					
3001.02.01 - Site-Wide Safety Standards	117	117	120	0	(3)	8,557	8,557	9,481	0	(924)	8,672	9,606	(934)					
3001.02.02 - Environmental Integration	434	434	350	0	84	56,918	56,918	55,714	0	1,204	57,361	56,151	1,211					
3001.02.03 - Public Safety & Resource Protection	1,074	1,074	1,040	0	34	71,920	71,920	72,419	0	(499)	73,471	73,800	(330)					
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	114	114	148	0	(34)	33,395	33,395	32,583	0	812	33,512	32,728	784					
3001.03.02 - Information Systems	745	745	932	0	(187)	118,733	118,733	118,062	0	671	121,200	120,293	907					
3001.03.03 - Infrastructure / Cyber Security	646	646	741	0	(95)	45,765	45,765	45,153	0	612	47,245	46,666	579					
3001.03.04 - Content & Records Management	548	548	780	0	(232)	68,868	68,868	68,950	0	(82)	70,080	70,032	48					
3001.03.05 - IR/CM Management	159	159	280	0	(121)	14,388	14,388	14,583	0	(195)	14,551	14,787	(236)					
3001.03.06 - Information Support Services	162	162	161	0	1	14,544	14,544	14,566	0	(22)	14,743	14,787	(44)					
3001.04.01 - Roads and Grounds Services	511	511	692	0	(181)	32,626	32,626	33,348	0	(722)	33,039	33,875	(836)					
3001.04.02 - Biological Services	394	394	399	0	(5)	38,141	38,141	37,997	0	144	38,526	38,405	122					
3001.04.03 - Electrical Services	1,713	1,713	1,814	0	(102)	124,039	124,039	123,995	0	44	125,696	126,274	(578)					
3001.04.04 - Water/Sewer Services	1,756	1,756	2,139	0	(383)	132,361	132,361	131,188	0	1,172	134,139	133,251	888					
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	38	38	30	0	8	10,774	10,774	10,741	0	33	10,812	10,779	33					



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 (2018/07/22)							
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations				b. To (2019/08/25)							
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No X Yes											
Item (1)	Current Period			Variance		Cumulative to Date			Variance		At Completion					
	Work Scheduled (2)	Work Performed (3)	Actual Cost Work Performed (4)	Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)	Actual Cost Work Performed (9)	Schedule (10)	Cost (11)	Budgeted (12)	Estimated (13)	Variance (14)			
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	13	13	1	0	13	703	703	653	0	50	717	661	56			
3001.04.10 - Technical Services	520	520	530	0	(10)	50,212	50,212	50,770	0	(558)	50,745	51,499	(754)			
3001.04.11 - Energy Management	159	159	160	0	(1)	12,269	12,268	11,880	0	389	12,441	12,041	400			
3001.04.12 - Hanford Historic Buildings Preservation	228	228	264	0	(35)	25,627	25,627	24,849	0	778	25,859	25,171	689			
3001.04.13 - Work Management	175	175	174	0	0	15,519	15,519	17,162	0	(1,644)	15,696	17,349	(1,653)			
3001.04.14 - Land and Facilities Management	463	463	527	0	(65)	49,165	49,165	46,728	0	2,437	49,638	47,342	2,296			
3001.04.15 - Mail & Courier	58	58	58	0	0	7,186	7,186	7,167	0	19	7,246	7,225	21			
3001.04.16 - Property Systems/Acquisitons	719	719	845	0	(126)	61,843	61,843	61,475	0	368	62,623	62,357	266			
3001.04.17 - General Supplies Inventory	58	58	5	0	52	2,025	2,025	941	0	1,084	2,084	1,194	890			
3001.04.18 - Maintenance Management Program Implementation	86	86	82	0	5	10,576	10,576	10,583	0	(7)	10,664	10,669	(4)			
3001.06.01 - Business Operations	1,175	1,175	922	0	253	58,262	58,262	19,063	0	39,199	60,305	20,265	40,040			
3001.06.02 - Human Resources	342	342	351	0	(9)	27,242	27,242	25,184	0	2,058	27,641	25,568	2,073			
3001.06.03 - Safety, Health & Quality	1,758	1,758	1,767	0	(9)	182,243	182,243	180,009	0	2,234	184,045	182,051	1,994			
3001.06.04 - Miscellaneous Support	415	415	425	0	(10)	53,534	53,534	54,073	0	(539)	53,956	54,505	(549)			
3001.06.05 - Presidents Office (G&A nonPMB)	217	217	38	0	179	311	311	76	0	235	516	116	400			
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	326	326	263	0	64	60,103	60,103	59,188	0	915	60,436	59,466	971			
3001.08.01 - Water System	906	529	650	(377)	(120)	44,698	43,187	29,943	(1,511)	13,244	48,735	35,066	13,669			
3001.08.02 - Sewer System	0	0	123	0	(123)	17,321	17,048	20,423	(273)	(3,375)	17,321	20,953	(3,632)			
3001.08.03 - Electrical System	681	422	967	(259)	(545)	23,664	22,953	23,788	(710)	(835)	27,626	27,388	239			
3001.08.04 - Roads and Grounds	402	100	42	(302)	58	10,010	10,007	9,443	(3)	564	10,015	9,478	537			
3001.08.05 - Facility System	613	152	185	(461)	(33)	12,743	12,389	12,703	(354)	(314)	12,802	13,063	(261)			
3001.08.06 - Reliability Projects Studies & Estimates	917	917	968	0	(51)	23,701	23,701	24,904	0	(1,204)	24,639	26,151	(1,512)			
3001.08.07 - Reliability Project Spare Parts Inventory	120	120	11	0	109	4,555	4,555	3,753	0	802	4,774	3,859	915			
3001.08.08 - Network & Telecommunications System	369	432	531	63	(99)	27,745	27,745	29,979	0	(2,234)	32,909	35,291	(2,381)			
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	2,261	355	1,906			
3001.90.04 - MSA Transition	0	0	0	0	0	5,868	5,868	5,868	0	0	5,868	5,868	0			
3001.B1.06 - Projects	0	0	0	0	0	(0)	(0)	0	0	(0)	(0)	0	(0)			
b. COST OF MONEY																
c. GENERAL AND ADMINISTRATIVE																
d. UNDISTRIBUTED BUDGET																
e. SUBTOTAL (Performance Measurement Baseline)																
	30,785	29,448	31,459	(1,336)	(2,010)	2,656,835	2,652,672	2,589,092	(4,161)	63,581	2,749,323	2,681,813	67,510			



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

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE													DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188	
1. Contractor		2. Contract			3. Program			4. Report Period								
a. Name Mission Support Alliance		a. Name Mission Support Contract			a. Name Mission Support Contract			a. From (2018/07/22)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2019/08/25)								
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	1,701	1,701	1,598	0	103	146,772	146,772	146,639	0	133	148,532	148,587	(55)			
3001.02.04 - Radiological Site Services	866	866	1,004	0	(139)	66,240	66,240	66,055	0	186	67,116	67,233	(117)			
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	267	267	272	0	(5)	9,254	9,254	9,213	0	41	9,526	9,465	61			
3001.03.04 - Content & Records Management	78	78	105	0	(27)	2,821	2,821	2,856	0	(35)	2,901	2,935	(34)			
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	2,549	2,549	2,890	0	(340)	102,873	102,873	101,601	0	1,272	105,474	106,266	(791)			
3001.04.05 - Facility Services	1,089	1,089	1,009	0	80	84,407	84,407	83,993	0	414	85,512	85,175	337			
3001.04.06 - Transportation	622	622	502	0	120	52,723	52,723	52,160	0	563	53,325	52,898	428			
3001.04.07 - Fleet Services	1,703	1,703	1,909	0	(206)	147,705	147,705	148,145	0	(439)	149,424	150,275	(851)			
3001.04.08 - Crane and Rigging	1,310	1,310	1,494	0	(184)	123,612	123,612	123,165	0	447	124,822	124,415	407			
3001.04.10 - Technical Services	300	300	307	0	(7)	9,227	9,227	9,050	0	177	9,533	9,358	176			
3001.04.13 - Work Management	59	59	46	0	13	4,307	4,307	4,289	0	18	4,368	4,365	3			
3001.04.14 - Land and Facilities Management	938	938	982	0	(44)	72,943	72,943	72,707	0	236	73,892	73,695	197			
3001.04.15 - Mail & Courier	23	23	23	0	(0)	1,715	1,715	1,709	0	6	1,739	1,732	8			
3001.06.01 - Business Operations	1,296	1,296	961	0	336	112,567	112,567	111,899	0	668	113,850	113,222	628			
3001.06.02 - Human Resources	394	394	369	0	26	31,635	31,635	31,464	0	170	32,117	31,902	215			
3001.06.03 - Safety, Health & Quality	219	219	148	0	70	15,804	15,804	14,931	0	872	16,027	15,091	937			
3001.06.04 - Miscellaneous Support	252	252	409	0	(157)	18,094	18,094	19,015	0	(921)	18,352	19,534	(1,182)			
3001.06.05 - Presidents Office (G&A nonPMB)	319	319	357	0	(38)	27,841	27,841	27,597	0	244	28,267	28,085	182			
3001.06.06 - Strategy	26	26	18	0	9	3,075	3,075	2,997	0	78	3,101	3,020	81			
3001.A1.01 - Transfer - CHPRC	7,515	7,515	7,645	0	(130)	707,239	707,239	709,942	0	(2,704)	715,156	716,612	(1,456)			
3001.A1.02 - Transfer - WRPS	5,477	5,477	5,861	0	(385)	332,438	332,438	332,412	0	26	338,054	337,370	684			
3001.A1.03 - Transfers - FH Closeout	0	0	0	0	0	228	228	228	0	0	228	228	0			
3001.A1.04 - Transfers - CHG Closeout	0	0	0	0	0	13	13	13	0	0	13	13	0			
3001.A2.01 - Non Transfer - BNI	25	25	30	0	(5)	3,455	3,455	3,506	0	(51)	3,481	3,540	(59)			
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	80	80	63	0	17	3,298	3,298	3,416	0	(118)	3,380	3,484	(104)			
3001.A2.06 - Non-Transfers - BNI Corp	0	0	25	0	(25)	1	1	76	0	(75)	1	84	(83)			
3001.A2.07 - Non-Transfers-WAI	39	39	32	0	8	1,304	1,304	1,232	0	72	1,344	1,267	77			
3001.A4.01 - Request for Services	761	761	665	0	96	115,977	115,977	116,435	0	(459)	116,678	116,961	(283)			
3001.A4.02 - HAMMER RFSS	407	407	155	0	252	35,699	35,699	34,411	0	1,288	36,160	34,533	1,627			
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	44	44	48	0	(4)	11,205	11,205	12,534	0	(1,329)	11,250	12,567	(1,317)			
3001.A5.01 - RL PD	37	37	42	0	(6)	6,644	6,644	6,523	0	121	6,695	6,544	151			
3001.A5.02 - ORP PD	68	68	65	0	3	8,368	8,368	8,467	0	(99)	8,447	8,523	(76)			



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

CONTRACT PERFORMANCE REPORT													DOLLARS IN Thousands			FORM APPROVED OMB No. 0704-0188	
FORMAT 1 - WORK BREAKDOWN STRUCTURE																	
1. Contractor			2. Contract			3. Program			4. Report Period								
a. Name			a. Name			a. Name			a. From (2018/07/22)								
b. Location (Address and Zip Code)			b. Number			b. Phase			b. To (2019/08/25)								
Richland, WA 99352			c. TYPE			d. Share Ratio			c. EVMS ACCEPTANCE								
Item (1)	Current Period			Variance			Cumulative to Date				At Completion						
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost		Variance		Budgeted (12)	Estimated (13)	Variance (14)			
	Work Scheduled (2)	Work Performed (3)	Work Performed (4)	Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)	Work Performed (9)	Schedule (10)	Cost (11)							
3001.A5.03 - RL Project Funded	478	478	410	0	68	16,753	16,753	15,715	0	1,038	17,547	16,516	1,031				
3001.A5.04 - ORP Project Funded	105	105	45	0	60	7,990	7,990	7,647	0	343	8,136	7,740	396				
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	(2,807)	(2,807)	(2,628)	0	(179)	(219,950)	(219,950)	(218,816)	0	(1,135)	(222,958)	(221,972)	(986)				
3001.A7.02 - DLA Liquidations	(2,057)	(2,057)	(2,313)	0	256	(149,349)	(149,349)	(148,192)	0	(1,158)	(151,408)	(150,353)	(1,055)				
3001.A7.03 - Variable Pools Revenue	(9,149)	(9,149)	(9,365)	0	216	(722,644)	(722,644)	(723,048)	0	404	(731,842)	(733,249)	1,408				
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)	15,035	15,035	15,184	0	(150)	1,294,890	1,294,890	1,295,241	0	(351)	1,330,850	1,330,915	(64)				
f. MANAGEMENT RESERVE											79	79	0				
g. TOTAL	45,819	44,483	46,643	(1,336.0)	(2,160)	3,951,724	3,947,562	3,884,332	(4,161)	63,230	4,080,252	4,012,807	67,446				
9. RECONCILIATION TO CONTRACT BUDGET BASE																	
a. VARIANCE ADJUSTMENT																	
b. TOTAL CONTRACT VARIANCE																	



5.0 FORMAT 3, DD FORM 2734/3, BASELINE

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

CONTRACT PERFORMANCE REPORT													FORM APPROVED				
FORMAT 3 - BASELINE													OMB No. 0704-0188				
													DOLLARS IN Thousands				
1. Contractor			2. Contract				3. Program				4. Report Period						
a. Name			a. Name				a. Name				a. From (2018/07/22)						
Mission Support Alliance			Mission Support Contract				Mission Support Contract										
b. Location (Address and Zip Code)			b. Number				b. Phase				b. To (2019/08/25)						
Richland, WA 99352			RL14728				Operations										
c. TYPE			d. Share Ratio				c. EVMS ACCEPTANCE										
CPAF							No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>										
5. CONTRACT DATA																	
a. ORIGINAL NEGOTIATED COST			b. NEGOTIATED CONTRACT CHANGES		c. CURRENT NEGOTIATED COST (a+b)		d. ESTIMATED COST OF UNAUTHORIZED UNPRICED WORK			e. CONTRACT BUDGET BASE (C+D)		f. TOTAL ALLOCATED BUDGET		g. DIFFERENCE (E - F)			
\$2,854,966			\$1,220,987		\$4,075,953		\$4,300			\$4,080,253		\$4,080,252		\$0			
h. CONTRACT START DATE			i. CONTRACT DEFINITIZATION DATE				j. PLANNED COMPLETION DATE			k. CONTRACT COMPLETION DATE		l. ESTIMATED COMPLETION DATE					
2009/05/24			2009/05/24				2019/11/25			2019/11/25		2019/11/25					
6. PERFORMANCE DATA																	
ITEM (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)												UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)	
			Six Month Forecast By Month						Remaining Forecast By Month								
			SEP FY19 (4)	OCT FY20 (5)	NOV FY20 (6)	DEC FY20 (7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)				
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	2,626,050	31,750	47,156	2,148	2,485	47	0	0	0	0	0	0	0	0	0	34,805	2,744,442
b. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	30,785	(31,750)	(3,485)	556	4,459	18	0	0	0	0	0	0	0	0	0	4,297	4,881
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	2,656,835		43,671	2,704	6,945	65	0	0	0	0	0	0	0	0	0	39,103	2,749,323



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 (2018/07/22)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728				b. Phase Operations				b. To (2019/08/25)								
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									
			SEP FY19 (4)	OCT FY20 (5)	NOV FY20 (6)	DEC FY20 (7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)					
a2. NON -	1,279,855	15,035	15,959	0	0	0	0	0	0	0	0	0	0	0	0	0	20,002	1,330,850
b2. BASELINE	15,035	(15,035)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c2. NON - PERFORMANCE	1,294,890		15,959	0	0	0	0	0	0	0	0	0	0	0	0	0	20,002	1,330,850
7. MANAGEMENT RESERVE																		79
8. TOTAL	3,951,725	0	59,630	2,704	6,945	65	0	0	0	0	0	0	0	0	0	0	59,105	4,080,252



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 (2019/07/22)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/08/25)
	c. Type CPAF	d. Share Ratio 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 delayed receipt of replacement compressors and receipt of materials purchased for the Hanford Fire Department.

3001.04.04 Water/Sewer Services – Unfavorable CM CV is primarily due to increased labor in support of repair to a water supply line at 182D and repair of a T-Plant hydrant.

3001.06.01 Business Operations – Favorable CM CV is primarily due to delay of the Site Mission Integration and Analysis subcontract plan.

3001.08.03 Electrical System – Unfavorable CM CV is primarily due to understating some current period performance on L-789 “Prioritize T&D Sys Wood PP Test & Replace”.

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.

Impacts – Current Month Cost Variance:

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

Corrective Action – Current Month Cost Variance: None

Current Month Schedule Variance:

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



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 (2019/07/22)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/08/25)
	c. Type CPAF	d. Share Ratio NO X YES	
5. Evaluation			

3001.08.03 Electrical System – Unfavorable CM SV on Project H-006 “10 CRF 851” were due to outages scheduled in August but not performed because of issues with water inlet screens. Water utilities has placed facilities 181D and 182D on hold.

3001.08.04 Roads and Grounds – Unfavorable CM SV is due to prior month construction performance taken on project L-859 “1st St from Canton Ave to IDF Entrance Rd”.

3001.08.05 Facility System – Unfavorable CM SV on Project L-796 “Key Facilities Roof Replacements” is due to a MSA Safety concern about affecting the building occupants while replacing the backside of the roof. The project rescheduled work from a normal Monday-Thursday to a Friday-Sunday schedule for three weekends that forced the completion date out to September 26 instead of August 22.

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

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

Corrective Action – Current Month Schedule Variance: None.

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.



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 (2019/07/22)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/08/25)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

3001.08.01 Water System - Favorable CTD CV is because:

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

Completed projects with CTD CV include the following:

- 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 (2019/07/22)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/08/25)
	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 a thorough understanding of and accounting for Site conditions at the 283W filter plant. In June, the project placed fieldwork on hold during preparation of a Design Change Notice and Facility Management Plan.
- 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.
- Project L-849 “Replace 200E 1.1M-gallon PW Tank:” has a unfavorable CTD SV primarily due to additional analysis of Fire Water demands on the Central Plateau and re-sequencing the 60% design resubmittal to resume after the adjacent Project L-850 design was completed.

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

3001.08.03 Electrical System – Unfavorable CTD SV is due to Project L-720 “Outdoor Lighting Reconfiguration and Replacement” being behind schedule on the 60% design package and not starting the 100% design package on schedule because resources were assigned to support higher priority work.



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 (2019/07/22)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/08/25)
	c. Type CPAF	d. Share Ratio NO X YES	
5. Evaluation			

3001.08.05 Facility System – Unfavorable CTD SV on both:

- Project L-796 “Key Facilities Roof Replacements” is due to a MSA Safety concern about affecting the building occupants while replacing the roof. The project rescheduled from a normal Monday-Thursday to a Friday-Sunday schedule that forced the completion date out to September 26 instead of August 22.
- Project L-906 “HFD Station 92 Expansion” due to late issuance of the design services request for proposal, and weather delays throughout February and into March that impacted the bid/evaluate/award process.

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.

Variance at Complete:

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



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 (2019/07/22)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/08/25)
	c. Type CPAF	d. Share Ratio NO X YES	

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 August 2019 had an increase of \$0.6M from \$4,075.4M to \$4, 076.0. The increase was associated with the Contract Mods 829 definitizing the Site Air Modeling technical proposal.

Changes in Estimated Cost of Authorized Unpriced Work:

The Authorized Unpriced Work (AUW) for the reporting period increased to \$4.3M for Project L-612 “230 kV Transmission System Recon & Sustainability”. Funding was provided on Mod 823, followed by an authorization to proceed/not to exceed from DOE-RL Contracts on July 31, 2019.

Changes in Estimated Price:

The Estimated Price for August 2019 had a decrease of \$1.8M from \$4,237.8M to \$4,236.0M. The Estimated Price includes the Most Likely Management Estimate at Completion (MEAC) of \$4,012.8M 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 \$1.8M from \$4,014.6M to \$4,012.8M: The decrease in the PMB EAC during August 2019 is primarily due to minor changes to 3001.02.03 - Public Safety & Resource Protection, 3001.04.10 - Technical Services, 3001.06.03 - Safety, Health & Quality, and 3001.07 Portfolio Management.



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 (2019/07/22)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/08/25)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Changes in Undistributed Budget:

The Undistributed Budget for this reporting period increased \$4.3M from \$54.8M to \$59.1M primarily due to definitizing the Air Modeling proposal and additional scope to initiate Reliability Project L-612 “230kV Trans System Recon & Sustainability.

Changes in Management Reserve:

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

Differences in the Performance Measurement Baseline:

This reporting period the Performance Measurement Baseline increased \$4.9M from \$2,744.4M to \$2,749.3M.

The following BCRs changed the PMB:

- VMSA-19-033 – Create One Level 4 and 5 WBS for Redirection on L-612; Establish Budget as Not to Exceed; Placed a Portion of NTE in SWS-UB
- VWS-19-009 – Mod 829 – Definitizes Site Air Modeling Revised Technical Direction Proposal into SWS Undistributed Budget (SWS-UB)

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

- VMSA-19-026 Rev 1 – Re-Title Two WBSs & Create Two Level 5 WBSs for L-919 (RL-0201 and RL-20); Change Coding from GPP to CENRTC; Re-Plans Design/Construct for Realized Schedule Risk 3132; and Revise Schedule
- VMSA-19-034 – Move Budget from PP-L-791, RFL Transfer Trip Upgrades to SWS Undistributed Budget
- VMSA-19-035 – Administrative BCR – Split Activities Between Fiscal Years for Numerous Projects That Have Start/Finish Dates That Span FY 2019/FY 2020



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 (2019/07/22)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/08/25)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				
<p><u>Differences in the Non - Performance Measurement Baseline:</u> This reporting period the non-PMB remained the same at \$1,330.9M.</p> <p>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.</p>				

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 – August 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
Direct Labor Adder					
Software Engineer Services DLA (3001.03.02.03)	\$2,712.5	\$2,712.5	\$2,533.0	\$179.5	(\$2,492.9)
Content & Records Management DLA (3001.03.01.04)	\$593.2	\$593.2	\$783.6	(\$190.4)	(\$729.7)
Transportation DLA (3001.04.06.02)	\$15,772.1	\$15,772.1	\$5,462.4	\$10,309.7	(\$5,973.1)
Maintenance DLA (3001.04.05.02)	\$17,398.8	\$17,398.8	\$8,965.2	\$8,433.6	(\$9,252.0)
Janitorial Services DLA (3001.04.05.03)	\$1,459.1	\$1,459.1	\$1,218.9	\$240.2	(\$1,164.5)
Total Direct Labor Adder	\$37,935.7	\$37,935.7	\$18,963.1	\$18,972.6	(\$19,612.2)

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 – August 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
Usage Based Services					
Training (3001.01.04.02)	\$29,254.8	\$29,254.8	\$15,028.7	\$14,226.1	(\$15,854.0)
HRIP (3001.02.04.02)	\$154.6	\$154.6	\$3,807.5	(\$3,652.9)	(\$4,163.3)
Dosimetry (3001.02.04.03)	\$2,119.8	\$2,119.8	\$5,175.5	(\$3,055.7)	(\$5,524.9)
Information Technology Services (3001.03.07.01)	\$31,370.3	\$31,370.3	\$28,527.1	\$2,843.2	(\$29,287.9)
Work Management (3001.04.13.01)	\$1,631.7	\$1,631.7	\$522.5	\$1,109.2	(\$513.2)
Courier Services (3001.04.15.02)	\$196.0	\$196.0	\$205.3	(\$9.3)	(\$204.9)
Occupancy (3001.04.14.06)	\$13,402.0	\$13,402.0	\$8,973.8	\$4,428.2	(\$9,309.4)
Crane & Rigging (3001.04.08.02)	\$17,492.6	\$17,492.6	\$11,557.5	\$5,935.1	(\$11,396.4)
Guzzler Trucks (3001.04.06.03)	(\$167.4)	(\$167.4)	\$-	(\$167.4)	\$-
Fleet (3001.04.07.02)	\$33,823.1	\$33,823.1	\$15,968.2	\$17,854.9	(\$15,775.1)
Total UBS	\$129,277.5	\$129,277.5	\$89,766.1	\$39,511.4	(\$92,029.1)
Total DLA / UBS	\$167,213.2	\$167,213.2	\$108,729.2	\$58,484.0	(\$111,641.3)

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 \$58.5M – August’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 August was centered on continuing progress on projects carried over from FY 2018. (Table 8-1 below.)

Table 8-1. Current Active Reliability Project Summary

Work Scope Description (Reliability Projects)	Projects to be Completed (\$000's)															
	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	877.0	866.6	982.5	(10.5)	(116.0)	0.99	0.88	933.2	1,038.8	(105.6)	92.9%	11/21/19	11/25/19	Y	Y	
L-849, Replace 200E 1.1M-gal PW Tank	767.3	495.2	610.4	(272.1)	(115.2)	0.65	0.81	767.3	763.5	3.8	64.5%	11/05/18	1/30/20	R	G	
L-894, Raw Water Cross Connection Isolation 200E/W	8,012.4	7,495.1	6,215.7	(517.3)	1,279.4	0.94	1.21	8,012.4	6,513.5	1,498.9	93.5%	5/06/19	1/28/20	R	G	
L-895, Fire Protection Infrastructure for Plateau Raw Water	4,056.5	4,041.2	4,464.7	(15.3)	(423.5)	1.00	0.91	7,573.7	7,579.9	(6.3)	53.4%	11/25/19	12/30/19	Y	G	
L-357, Replace 12" Potable Water Line to 222-S Lab	1,654.4	1,615.9	1,453.2	(38.5)	162.7	0.98	1.11	1,654.4	1,622.1	32.3	97.7%	7/15/19	9/26/19	R	G	
L-781, 181D Vertical Turbine Pumps	605.7	318.8	283.8	(286.9)	35.0	0.53	1.12	605.7	589.3	16.4	52.6%	5/23/19	11/14/19	R	G	
L-897, Central Plateau Water Treatment Facility	2,120.0	2,096.7	1,859.0	(23.3)	237.7	0.99	1.13	2,484.8	2,491.2	(6.4)	84.4%	11/25/19	12/11/19	Y	G	
L-826, 181B Vertical Turbine Pumps	605.7	259.8	274.5	(345.9)	(14.8)	0.43	0.95	605.7	572.5	33.2	42.9%	5/23/19	11/14/19	R	G	
L-839, 12" Potable Water Loop Line to WTP	13.4	12.2	5.3	(1.2)	6.9	0.91	2.30	112.0	101.2	10.7	10.9%	11/25/19	12/03/19	Y	G	
L-853, 200E Sewer Flow Equalization Facility	6,054.1	6,008.1	6,235.4	(46.0)	(227.3)	0.99	0.96	6,054.2	6,429.4	(375.2)	99.2%	1/28/19	10/17/19	R	R	
L-854, 200E Sewer Consolidations	5,960.6	5,733.4	5,686.6	(227.2)	46.8	0.96	1.01	5,960.7	6,023.1	(62.3)	96.2%	4/16/19	10/17/19	R	G	
L-789, Prioritize T&D Sys Wood PP Test & Replace	2,730.6	2,922.2	3,328.2	191.6	(406.0)	1.07	0.88	5,088.8	5,820.7	(732.0)	57.4%	11/25/19	11/25/19	G	R	

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

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

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

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

Projects to be Completed (\$000's)															
Work Scope Description (Reliability Projects)	Contract to Date - Performance							Project Lifecycle				Completion Dates			VAC Cost
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC	% Complete	Baseline Complete Date	Forecast Date	Schedule at Complete	
L-801, Upgrade SCADA	802.3	796.1	813.6	(6.3)	(17.6)	0.99	0.98	1,131.0	1,142.2	(11.2)	70.4%	11/25/19	11/25/19	G	G
L-791, RFL Transfer Trip Upgrades	943.6	924.8	711.4	(18.8)	213.4	0.98	1.30	943.6	751.4	192.2	98.0%	5/23/19	9/30/19	R	G
L-720, Outdoor Lighting Reconfiguration and Repl	203.0	134.2	233.0	(68.7)	(98.7)	0.66	0.58	203.0	243.1	(40.1)	66.1%	5/15/19	1/22/20	R	G
H-006, 10 CFR 851	2,287.3	1,479.1	1,457.6	(808.2)	21.6	0.65	1.01	2,556.2	2,185.7	370.4	57.9%	11/25/19	2/03/20	R	G
L-859, 1st St frm Canton Ave to IDF Entrance Rd	1,190.6	1,187.5	1,183.1	(3.1)	4.4	1.00	1.00	1,195.2	1,217.6	(22.4)	99.4%	9/23/19	9/18/19	G	G
L-888, 400 Area Fire Station	1,272.8	1,216.6	1,172.0	(56.2)	44.6	0.96	1.04	1,312.5	1,229.1	83.4	92.7%	11/25/19	1/20/20	Y	G
S-245, Live Fire Shoot House	3,653.2	3,653.2	3,839.4	0.0	(186.2)	1.00	0.95	3,653.2	3,839.4	(186.2)	100.0%	10/10/18	8/23/19	R	Y
L-796, Key Facilities Roof Replacements	2,056.2	1,877.3	1,887.2	(178.9)	(10.0)	0.91	0.99	2,075.3	2,078.9	(3.6)	90.5%	9/26/19	10/17/19	Y	G
L-906, HFD Station 92 Expansion	149.5	30.4	153.2	(119.1)	(122.8)	0.20	0.20	149.5	264.4	(114.9)	20.3%	4/10/19	1/14/20	R	Y
L-905, FARS & RFARS Replacement & Upgrade	219.4	156.8	144.9	(62.6)	11.9	0.71	1.08	641.9	603.6	38.2	24.4%	11/25/19	2/03/20	R	G
L-921, Telecom Hut at Met Tower	47.3	8.1	36.1	(39.2)	(28.0)	0.17	0.22	128.4	130.0	(1.6)	6.3%	11/25/19	1/06/20	Y	G
L-919, Emergency Radio Upgrade	70.3	147.9	173.5	77.6	(25.6)	2.10	0.85	4,232.8	4,231.3	1.5	3.5%	11/25/19	11/25/19	G	G
H-001, BMS Upgrade	144.0	167.5	115.2	23.5	52.3	1.16	1.45	332.5	265.7	66.8	50.4%	9/30/19	9/30/19	G	G
Total	46,497.1	43,644.5	43,319.7	(2,852.6)	324.8	0.94	1.01	58,407.8	57,727.8	680.0					

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 fire water 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-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-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*: Unfavorable SV is due to a schedule adjustment because of an MSA Safety concern regarding the application used on the Thermoplastic Polyolefin (TPO) roofing system installation.
- 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.
- L-905, *FARS & RFARS Replacement & Upgrade*: Unfavorable SV is partially due to completing Facility Management Plans (FMP) ahead of schedule that were offset by August delays in completing work package development due to FMP approval delays.
- L-919, *Emergency Radio Upgrade*: Favorable SV is due to receipt of materials received earlier than planned.

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-789, *Prioritize T&D Sys Wood PP Test & Replace*: Unfavorable CV is because of understating some current period performance and incurring material costs in advance of a September Baseline Change Request (BCR).
- 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.
- 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.

Table 8 -2. Reliability Projects Schedule

RPSUM CU - Summary RP Schedule for Melodee - Current Layout: MSA - Summ RP Sched - Melodee - CU		Mission Support Alliance							Page 1 of 2																			
Activity ID	Activity Name	OD	RD	% Comp	Baseline Start	Baseline Finish	Forecast Start	Forecast Finish	2017			2018				2019												
									J	J	A	S	N	D	J	F	A	J	J	A	S	C	N	D	J	F	M	A
H-001	H-001, BMS Upgrade	93	25	50.4%	20-May-19	30-Sep-19	20-May-19 A	30-Sep-19																				
H-006	H-006, 10 CFR 851	292	110	57.9%	01-Oct-18	25-Nov-19	01-Oct-18 A	03-Feb-20																				
L-357	L-357, Replace 12" Potable Water Line to 222-S Lab	512	23	97.7%	03-Jul-17	15-Jul-19	29-Jun-17 A	26-Sep-19																				
L-720	L-720, Outdoor Lighting Reconfiguration and Repl	147	102	66.1%	15-Oct-18	15-May-19	01-Oct-18 A	22-Jan-20																				
L-781	L-781, 181D Vertical Turbine Pumps	163	58	52.6%	01-Oct-18	23-May-19	01-Oct-18 A	14-Nov-19																				
L-789	L-789, Prioritized T&D System Wood Pole Upgrades	398	65	57.4%	01-May-18	25-Nov-19	03-May-18 A	25-Nov-19																				
L-791	L-791, RFL Transfer Trip Upgrades	265	25	98%	07-May-18	23-May-19	07-May-18 A	30-Sep-19																				
L-796	L-796, Key Facilities Roof Replacements	333	38	90.5%	04-Jun-18	26-Sep-19	29-May-18 A	17-Oct-19																				
L-801	L-801, Upgrade SCADA	76	65	70.4%	04-Sep-18	25-Nov-19	05-Sep-18 A	25-Nov-19																				
L-826	L-826, 181B Vertical Turbine Pumps	163	58	42.9%	01-Oct-18	23-May-19	01-Oct-18 A	14-Nov-19																				
L-839	L-839, 12" Potable Water Loop Line to WTP	109	69	10.9%	24-Jun-19	25-Nov-19	24-Jun-19 A	03-Dec-19																				
L-849	L-849, Replace 200E 1.1M-gal PW Tank	216	108	64.5%	02-Jan-18	05-Nov-18	02-Jan-18 A	30-Jan-20																				
L-850	L-850, Replace 200W 1.1M-gal PW Tank	480	65	92.9%	02-Jan-18	21-Nov-19	02-Jan-18 A	25-Nov-19																				
L-853	L-853, 200E Sewer Flow Equalization Facility	867	38	99.2%	17-Aug-15	28-Jan-19	17-Aug-15 A	17-Oct-19																				
L-854	L-854, 200E Sewer Consolidations	922	38	96.2%	17-Aug-15	16-Apr-19	17-Aug-15 A	17-Oct-19																				

 Remaining Work
 Baseline

MSC - Reliability Projects
Summary Schedule
Data Date: 25-Aug-19



Table 8 -2. Reliability Projects Schedule Cont.

RPSUM CU - Summary RP Schedule for Melodee - Current Layout: MSA - Summ RP Sched - Melodee - CU		Mission Support Alliance							Page 2 of 2													
Activity ID	Activity Name	OD	RD	% Comp	Baseline Start	Baseline Finish	Forecast Start	Forecast Finish	2017 2018 2019													
									J	J	A	S	N	D	J	F	A	J	J	A	S	N
L-859	L-859, 1st St frm Canton Ave to IDF Entrance Rd	143	17	99.4%	04-Mar-19	23-Sep-19	04-Mar-19 A	18-Sep-19	[Gantt chart showing remaining work and baseline for L-859]													
L-888	L-888, 400 Area Fire Station	399	100	92.7%	30-Apr-18	25-Nov-19	30-Apr-18 A	20-Jan-20	[Gantt chart showing remaining work and baseline for L-888]													
L-894	L-894, Raw Water Cross Connection Isolation 200E/W	527	106	93.5%	04-Apr-17	06-May-19	30-Mar-17 A	28-Jan-20	[Gantt chart showing remaining work and baseline for L-894]													
L-895	L-895, Fire Protection Infrastructure for Plateau Raw Water	605	86	53.4%	05-Jul-17	25-Nov-19	05-Jul-17 A	30-Dec-19	[Gantt chart showing remaining work and baseline for L-895]													
L-897	L-897, Central Plateau Water Treatment Facility	503	75	84.4%	29-Nov-17	25-Nov-19	29-Nov-17 A	11-Dec-19	[Gantt chart showing remaining work and baseline for L-897]													
L-905	L-905, FARS & RFARS Replacement & Upgrade	331	110	24.4%	06-Aug-18	25-Nov-19	06-Aug-18 A	03-Feb-20	[Gantt chart showing remaining work and baseline for L-905]													
L-906	L-906, HFD Station 92 Expansion	142	96	20.3%	17-Sep-18	10-Apr-19	17-Sep-18 A	14-Jan-20	[Gantt chart showing remaining work and baseline for L-906]													
L-919	L-919, Emergency Radio Upgrade	148	65	3.5%	29-Apr-19	25-Nov-19	17-Jun-19 A	25-Nov-19	[Gantt chart showing remaining work and baseline for L-919]													
L-921	L-921, Telecom Hut at Met Tower	178	90	6.3%	18-Mar-19	25-Nov-19	18-Mar-19 A	06-Jan-20	[Gantt chart showing remaining work and baseline for L-921]													
S-245	S-245, Live Fire Shoot House	266	0	100%	21-Sep-17	10-Oct-18	21-Sep-17 A	23-Aug-19 A	[Gantt chart showing remaining work and baseline for S-245]													

Remaining Work
Baseline

MSC - Reliability Projects
Summary Schedule
Data Date: 25-Aug-19





9.0 BASELINE CHANGE REQUEST LOG (BCR)

Baseline Change Request Log for August 2019.

Six Baseline Change Requests (BCRs) were processed in August.

One BCR Authorized by a Contract Modification or RL Direction:

- VSWS-19-009 – Mod 829 – Definitizes Site Air Modeling Revised Technical Direction Proposal into SWS Undistributed Budget (SWS-UB) and Adds Fee

Four BCRs related to Reliability Projects:

- VMSA-19-026 Rev 1 – Re-Title Two WBSs & Create Two Level 5 WBSs for L-919 (RL-0201 and RL-20); Change Coding from GPP to CENRTC; Re-Plans Design/Construct for Realized Schedule Risk 3132; and Revise Schedule
- VMSA-19-033 – Create One Level 4 and 5 WBS for Redirection on L-612; Establish Budget as Not to Exceed; Placed a Portion of NTE in SWS-UB
- VMSA-19-034 – Move Budget from PP-L-791, RFL Transfer Trip Upgrades to SWS Undistributed Budget
- VMSA-19-035 – Administrative BCR – Split Activities Between Fiscal Years for Numerous Projects That Have Start/Finish Dates That Span FY 2019/FY 2020

One BCR was Administrative in Nature:

- VMSA-19-004 Rev 10 – Administrative BCR – Create Lower Level Task Order (LLTO) WBSs for Cost Collection Established in the Month of August

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	Jul 2019	1,230,506		1,230,506	1,230,506	479,966		1,513,936		2,744,441	2,744,441
VMSA-19-004 Rev 10						0		0		0	2,744,441
VMSA-19-026 Rev 1						(4,026)		0		0	2,744,441
VMSA-19-033						3,293		4,300		4,300	2,748,741
VMSA-19-034						0		0		0	2,748,741
VMSA-19-035						0		0		0	2,748,741
VSWs-19-009						581		581		581	2,749,322
Revised PMB Total	Aug 2019	1,230,506		1,230,506	1,230,506	479,814		1,518,816		2,749,322	
Prior Non-PMB Total	Jul 2019	604,007		604,007		271,930		726,844		1,330,850	1,330,850
VMSA-19-004 Rev 10						0		0		0	1,330,850
Revised Non-PMB Total	Aug 2019	604,007		604,007		271,930		726,844		1,330,850	
Total Contract Performance Baseline	Aug 2019	1,834,513		1,834,513	1,834,513	751,744		2,245,660		4,080,173	
Management Reserve	Jul 2019		0	0			79		79	79	79
Revised Management Reserve	Aug 2019		0	0			79		79	79	
Total Contract Budget Base	Aug 2019			1,834,513				2,245,739		4,080,252	
Prior Fee Total	Jul 2019	109,961		109,961		23,179		113,196		223,157	223,157
VSWs-19-009						36		38		38	223,194
Revised Fee Total	Aug 2019	109,961		109,961		23,214		113,234		223,194	
Change Log Total	Aug 2019			1,944,473				2,358,973		4,303,446	



10.0 RISK MANAGEMENT

August 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 Elicitation: A risk elicitation was held with MSA Information Management to evaluate potential opportunities. These risks are in development.
- Project Risk Management:
 - Reliability Project Risk Review and Updates: A monthly risk review was performed with the Project Managers to review and revise the Reliability Project risk registers for all active projects. Updates to these risk registers were captured as appropriate.
 - 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: Mission Support Alliance, LLC Risk Management input all open risks into the Enterprise Risk Opportunity Management System (EROMS). Data validation is being completed to ensure all risks were accurately transferred. Additional actions in relation to this effort include:
 - The team supported on going acceptance testing for the next enhanced release of the system. DOE-RL and other Hanford contractor implementation will begin once the enhanced version is released.
 - The EROMS Governance Board Plan was finalized and signed by all parties, including DOE, CH2M HILL Plateau Remediation Company (CHPRC), Washington River Protection Solutions LLC (WRPS), and MSA. This document is in the review and approval cycle for release.
- The Risk Management Board was postponed; it will be combined with the September meeting, as planned, to allow the team to implement EROMS.



11.0 DASHBOARD SUMMARY

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

		August FY 2019 Fiscal Year 2019 PEMP Deliverables	Due Date	YTD	Aug	
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 (Excavators)				█
	o	Fleet Services – Heavy Equipment (General Purpose)				█
	p	Fleet Services – Light Equipment (Hanford Patrol)				█
	q	Fleet Services – Light Equipment (Hanford Fire)				█
	r	Fleet Services – Light Equipment (Special Purpose Trucks)				█
	s	IT - Cyber Security – System Patching				█
t	RSS - Dosimetry External Services	█				
u	RSS - Instrument Calibration	█				

LEGEND

█ = On Schedule

█ = Objective missed

█ = N/A = Not Applicable (Updated quarterly)

█ = Complete

█ = In jeopardy

1.1e -- Green for August and yellow overall. There were six Causal Analyses performed in August. All were completed in under 45 days. This brings the percentage of on-time completions to 76% (yellow) for the year. Unless additional causal analyses are required to be performed and completed by the end of September, this Incentive will finish the year yellow.



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

		August FY 2019 Fiscal Year 2019 PEMP Deliverables		Due Date	YTD	Aug
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		1/25/2019		
		Quarterly System Health Report October - December				
		Quarterly System Health Report January - March			4/25/2019	
	Quarterly System Health Report April - June		7/25/2019			
	Electric	Electrical power availability		9/30/2019		
		Perform Preventative maintenance at 90% or better each month				
		Reduce corrective maintenance backlog identified as of October 1, 2018 by 65% no later than September 30, 2019		1/25/2019		
Quarterly System Health Report October - December						
Quarterly System Health Report January - March		4/25/2019				
Quarterly System Health Report April - June		7/25/2019				
1.3	Demonstrate effective development and management of reliability projects that assure mission milestones and regulatory commitments are met		9/30/2019			
	a	L-894, Raw Water Cross Connections - Complete construction of the cross tie line.	4/8/2019			
	b	L-897, Central Plateau Water Treatment Facility (DFLAW Essential) - Complete 90% of design.	4/30/2019			
	c	L-850, Replace 200W 1.1M-gal PW tank (DFLAW Essential) - Complete 100% of design.	3/1/2019			
	d	L-791, RFL Transfer Trip - Complete design and installation of fiber optic cable from fox box 6FX2 on Pole E2476 to the A6 substation	4/30/2019			
	e	L-357, Obtain signed Construction Completion Document (CCD) for water line at 222-S Complex	8/12/2019			
	f	L-859, Obtain signed Construction Completion Document (CCD) for first street rebuild from Canton Ave to IDF entrance intersection	9/30/2019			
	g	L-854, Obtain signed Construction Completion Document (CCD) for 200E Sewer Consolidations	7/15/2019			

LEGEND

= On Schedule

= Objective missed

= Not Applicable (Updated quarterly)

= Complete

= In jeopardy



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

August FY 2019 Fiscal Year 2019 PEMP Deliverables		Due Date	YTD	Aug
2.0 Efficient Site Cleanup - Align resources and capabilities to support the site cleanup mission				
2.1	Maximize efficient MSA use of resources to meet the other Hanford contractors' changing project needs.	9/30/2019		
	Demonstrate 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		
2.2	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

N/A = Not Applicable (Updated quarterly)

= Complete

= In jeopardy



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

August FY 2019						
Fiscal Year 2019 PEMP						
Deliverables			Due Date	YTD	Aug	
2.0 Efficient Site Cleanup - Align resources and capabilities to support the site cleanup mission						
2.3	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 & FPUD 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		
	d	Remove 2 10kVA services to Navy SALT Site and 618-7 (with MO420) in the 300 Area.		9/30/2019		
	e	Consolidate MO-730 holding tank to 6607-11. Remove holding tank and tie sewer to septic tank and drain field		9/30/2019		
	f	Remove sewer system drain field from service at 182B		9/30/2019		
	g	U Plant disconnect 1 of 3 services		9/30/2019		
	h	Phase 1 Riverland Feeder line removal, to include removal of conductor and hardware		9/30/2019		
	i	Remove 14 abandoned light fixtures at A9 (WO 503634)		9/30/2019		
j	Remove 2 old guard rails from 7th & Baltimore - ~75 feet total		9/30/2019			
TOTAL OBJECTIVE FEE POOL						
3.0 Comprehensive Performance						
Execute the balance of contract work scope within the contract requirements, terms, and conditions, demonstrating excellence in quality, schedule, management, cost control, small business utilization, and regulatory compliance.				9/30/2019		
Provide leadership to improve management effectiveness and collaborate and participate proactively with customers.						
Work with DOE and the other Hanford contractors in a spirit of cooperation to demonstrate operational excellence to include, but not limited to, the following areas:						
Business and financial management using approved purchasing, estimating, property, budget, planning, billing, labor, accounting, and performance measurement systems, providing visibility and transparency to DOE with respect to each of the forgoing						
Contract change management and subcontract administration and consent activities, e.g., proposal review and negotiation process, including timely and adequate submission of proposals and requests for additional data, timely counteroffers, and attaining small business goals						
Safeguards and security, fire department operations, emergency response, and emergency operations/emergency management						
Land Management						
Infrastructure and services program management, operations and maintenance						
Effective contractor human resources management						
Problem identification and corrective action implementation						
Performed work safely and in a compliant manner that assures the workers, public, and environment are protected from adverse consequences						
TOTAL SUBJECTIVE FEE POOL						
TOTAL FEE POOL* (Adjusted for Contract Modifications: 829)						

LEGEND

= On Schedule

= Objective missed

= N/A = Not Applicable (Updated quarterly)

= Complete

= In jeopardy

12.0 CONTRACT DELIVERABLES STATUS

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

Table 12-1. August-September 2019 Contract Deliverables

CDRL	Deliverable	Responsible	Date Due	Date Submitted to DOE	RL Action	Response Time	Date Due from DOE	Date Approved by DOE
CD0051	Milestone Review and IAMIT Meeting Minutes - Jun	Wilson	08/05/19		Information	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	08/21/19	Approve	120 days	12/19/19	
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Jun	Synoground	08/30/19	09/03/19	Review			
CD0051	Milestone Review and IAMIT Meeting Minutes - Jul	Wilson	09/05/19		Information	N/A	N/A	
CD0123	Monthly Billing Reports for DOE Services - Aug	Eckman	09/05/19	09/05/19	Information			
CD0144	Monthly Performance Report - Jul	Millikin	09/10/19	09/05/19	Review			
CD0003	Infrastructure and Services Alignment Plan (ISAP)	Synoground	09/20/19					
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Jun	Synoground	09/20/19					
CD0104a	Annual Update to HNF-56046 MSA Maintenance Mgmt Program Five-Year-Plan	Bates	09/30/19					
CD0009	Patrol Sensitive Equipment/Items Report	Walton	09/30/19	09/05/19				
CD0021	Hanford System Security Plan (SSP)	Walton	09/30/19					
CD0063	Hanford Site Annual Environmental Report	Wilson	09/30/19					
CD0065	Hanford Environmental Monitoring Plan	Wilson	09/30/19					
CD0071	Threatened and Endangered Species Management Plan: Salmon, Steelhead and Bulltrout	Wilson	09/30/19					
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Jul	Synoground	09/30/19					
CD0164	Contractor Quality Assurance Program Description (QAPD)	Wilson	09/30/19					

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.