

# MISSION SUPPORT ALLIANCE

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



# Monthly Performance Report February 2020

**R. E. Wilkinson**  
**President**

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



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# ACRONYMS LISTING



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 Mission Support Contract with the 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 February 2020.

## 1.1 KEY ACCOMPLISHMENTS

**MSA COVID-19 Actions** – MSA has been working with DOE and local and state health officials preparing for the exigencies of the COVID-19 pandemic and related safety measures at the Hanford Site. Leadership and communications staff continue to be involved in daily calls. Additionally, MSA led the creation of a webpage on rl.gov to post information, resources and frequently asked questions, as well as an email address for questions. MSA is monitoring the inbox and coordinating answers with DOE and other Hanford contractors.

**Prescribed Burn Activities** – Hanford Fire Department (HFD) Operations Fuel Management personnel supported U.S. Fish and Wildlife and Washington State Department of Transportation staff in clearing tumbleweed accumulations caused by recent high wind conditions that posed a hazard to motorists and increased fire potential on SR240 and the Hanford Site. During February, HFD workers conducted nine prescribed burns totaling 11,360 cubic yards.



*Prescribed  
tumbleweeds burn*

**Hanford Emergency Operations Center (EOC) Assistance During Electrical Outage** – MSA Emergency Management Program (EMP) staff provided temporary office workspace in the Hanford EOC for approximately 25 Washington River Protection Solutions LLC (WRPS) employees during the week of February 10, 2020. WRPS employees were relocated from the 2704-HV facility after electrical overheating and arc damage were discovered during a routine maintenance outage, affecting approximately 400 employees. EMP staff briefed WRPS employees on facility evacuation routes, staging area, parking rules and EOC security requirements.

**Fiscal Year (FY) 2020 Integrated Investment Portfolio (IIP)** – With the receipt of Contract/Baseline Alignment Guidance (CBAG), Revision 2, DOE-RL authorized MSA to execute the entirety of the FY 2020 IIP work through May 25, 2020. MSA delivered



the FY 2020 Final Integrated Investment Portfolio and supporting documents to DOE-RL on February 20, 2020, as scheduled. Additionally, MSA provided to DOE-RL the FY 2020 Reliability Project Investment Portfolio, including the total project schedules.

**Phishing Campaign Completed** – MSA Cybersecurity conducted a phishing campaign of all network users on the Hanford Site. A phishing email was created to mimic an attack where a known vendor of the Hanford Site was spoofed and used to create a false sense of trust in the reader. Cybersecurity chose to imitate Avanti Markets<sup>1</sup> with claim of a breach, requesting users to click a link in order to receive free credit reporting services (Avanti Markets was notified of this phishing campaign prior to implementation). A total of 8,764 users were phished with 363 of those actually clicking on the link. Hanford users scored an all-time low score of a 4% click rate. Many factors affect this result, however; Cybersecurity attributes “word of mouth” as playing an important role in creating such a positive and low score. More than 3,200 employees (approximately 37%) reported the email using the “Report Suspicious Email” button. Cybersecurity will continue to analyze the metrics and will be creating a follow-up teaching moment that will be delivered to the site.

**Aerial Imagery of Reactors** – During February, in support of cleanup activities, MSA coordinated two monthly aerial photography flights for Hanford contractors. The locations included the Waste Treatment Plant, the Integrated Disposal Facility, the Plutonium Finishing Plant, the Central Waste Complex, and the bulk of the 100K Area. These flights help contractors monitor cleanup projects and track successes. The photos are also used to show cleanup progress to the public and stakeholders.

**Tie-in to Sewer Flow Equalization Facility Completed** – MSA Project Services workers completed the final tie-in on the 200 East Sewer Flow Equalization Facility. The final tie-in to the system was completed on February 16, 2020. All structures installed now allow sewage flow to the lagoon, eliminating truck pumping from these locations. This success will allow decommissioning of three sanitary sewer collection systems.

**Water Line Leak Repaired** – On February 21, 2020, pipefitters, heavy equipment operators, and teamsters responded to reports of a leaking water line/valve located near the 274AW facility. The area was excavated and the leak identified. After receiving concurrence from Water Utilities Engineering staff that the leaking valve had been isolated from the piping system, repair work commenced. When the leak was successfully repaired, crews performed a 30-minute leak check on the repair with no

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<sup>1</sup> Avanti Markets, Inc is a micro-markets firm based in Renton, WA

defects found. Water was then restored to 274AW, the excavated area was backfilled, bollards were set in place, and area road closure signage was removed.



*Repair of leaking water line in progress*

**Newly Designed Outrigger Pad Holder** – With the combined team work of both Crane & Rigging and Fleet Maintenance, a new safety addition for the 115-Ton crane was designed, engineered, fabricated, and fitted. The new safety feature is an Outrigger Pad Holder. The holder provides storage space that is easily accessible for workers to place the supplemental outrigger pads assigned to this crane in a secure location during transport from job to job, eliminating the need to lift the outrigger pads onto a truck bed or trailer. The holder is safer and more ergonomically friendly.



*Outrigger Pad Holder mounted on truck*

**Removal of Discarded Material** – On the morning of February 6, 2020, Long-Term Stewardship (LTS), the LTS Environmental Compliance Officer, a health physics technician, and MSA teamster members removed discarded material from areas outside and adjacent to each of the six reactor safe storage enclosures. Miscellaneous debris, including sections of rebar, wire, fencing, t-posts, wood, bolts, brackets, and piping, was picked-up and properly dispositioned.



*Removal of miscellaneous debris*

**Imaging Backlog Project Complete** – Supporting WRPS, MSA Imaging staff recently completed a backlog project for WRPS contract documentation. The team was processing hard copy and electronic contract documents, consisting of 505,479 pages and approximately 4,000 contracts. This was a priority project for WRPS, having



contract documents processed as electronic records prior to contract close out. The backlog was completed during February, thus allowing personnel to process current contracts as they are received.

**Hanford Site Tours Coordinated** – During February, MSA External Affairs staff administered Site tours for five DOE visitor groups, four of which included foreign national visitors from Japan, the United Kingdom, and Australia. Tour activities included developing and distributing tour agendas; ordering transportation; securing project briefers; providing visitor information; facilitating visitor badging; working with the DOE Foreign Nationals and Assignments Office; and making necessary Site notifications.

**Training Support to U.S. Department of Transportation (DOT)** – In February, accommodating a request from the DOT Pipeline Hazardous Materials Safety Administration (PHMSA), the Volpentest HAMMER Federal Training Center (HAMMER) staff conducted DOT PHMSA Standard Operating Procedure (SOP) training. In the past, HAMMER had also helped develop and deliver the training of the SOP for Pipeline Exercise Evaluations.

**Four Universities (FUSE) Career Fair** - On February 27, 2020, MSA Human Resources personnel participated in the annual FUSE Career Fair held in Spokane, Washington. The FUSE Career Fair is a partnership between local Eastern Washington state colleges including; Gonzaga University, Eastern Washington University, Whitworth University, and Washington State University- Spokane. MSA and CH2M HILL Plateau Remediation Company (CHPRC) Human Resources staff collaborated to represent the Hanford Site job opportunities. Attendees represented a variety of college majors and skillsets that directly relate to Hanford current and future workforce needs.



## 1.2 LOOK AHEAD

**Coronavirus (COVID-19) Pandemic Support** – As the evolving situation with COVID-19 affects members of the Site in several ways, MSA has committed to constant and transparent communication with all employees to help them stay informed and more importantly, stay safe and healthy. Some of the proactive actions MSA will continue to take includes working with the Washington State Benton-Franklin Health District (BFHD) to make appropriate notifications and ensure proper sanitizing efforts are made; simplifying the telecommuting procedures and providing education and equipment to help as many employees as possible telework. Additionally, MSA will continue monitoring Centers for Disease Control and Prevention (CDC) updates and checking the Washington State Department of Health and BFHD webpages frequently for new information.

**Capstone Approach Implemented** - MSA has received concurrence from DOE to implement the Capstone Approach for all Hanford Site Office 365/Exchange<sup>2</sup> users. The Capstone Approach implements email retention policies in accordance with National Archives and Records Administration (NARA) record schedules. Final production readiness items include: Launch date, communication plan, procedure and/or documentation update, Hanford General Employee Training (HGET) update and the Exchange risk assessment. Implementing the Capstone approach at Hanford, currently slated for March 5, 2020, will ensure that DOE complies with NARA retention policies.

**Local Area Network for Emergency Services Project** – MSA Information Management is currently configuring the network switches, servers, and storage infrastructure in the Lab for the Emergency Services (ES) Local Area Network (LAN) Project. The ES-LAN project brings the latest technology to the Emergency Services organizations and provides an infrastructure for all of their modernization projects. Phase one of the installation is scheduled to begin on April 1, 2020, and continue through September 2020. Phase one will install the core infrastructure components at two telecommunications nodes, while phase two will conclude with the installation of switches for the new meteorological tower project in early FY 2021.

**Password Complexity Revamp** – Current Hanford Local Area Network (HLAN) password requirements are not in compliance with the National Institute of Standards and Technology (NIST) standard, released December 31, 2017. The Password Complexity Revamp Project will bring HLAN and its affected users, software, and programs into NIST compliance by using passphrases instead of passwords. Using

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<sup>2</sup> Office 365/Exchange is a product of Microsoft Corporation, of Redmond, WA.



passphrases will eliminate half-yearly password change requirements, and remove requirements for using symbols and numbers. This project will begin February 2020 and has an estimated six-month duration.

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-14	ORP – Reliability Projects	\$154.8	\$154.8	\$98.8	\$56.0
RL-0020	Safeguards & Security	\$91,005.3	\$50,641.3	\$33,277.2	\$17,364.1
RL-0040	GSI and Spares Inventory	\$1,708.5	\$1,708.5	\$225.7	\$1,482.8
RL-0201	Reliability Projects, HAMMER, B-Reactor	\$98,707.9	\$47,463.5	\$19,037.2	\$28,426.3
SWS	Site-Wide Services	\$229,296.7	\$124,130.2	\$86,923.8	\$37,206.4
<b>Total</b>		<b>\$420,873.2</b>	<b>\$224,098.3</b>	<b>\$139,562.7</b>	<b>\$84,535.6</b>

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 883, dated March 24, 2020.

Based upon FY20 forecast the remaining uncosted balance will fund SWS through April 15, 2020, RL-20 through April 13, 2020, and HAMMER through April 23, 2020.



## 3.0 SAFETY PERFORMANCE

During the month of February, there were no “Recordable” injuries reported. Therefore, the fiscal year 2020 total recordable case (TRC) rate is 0.56 and the days away restricted or transferred (DART) rate is 0.45. Both rates are below the DOE performance measurement baseline of 1.1 and 0.60, respectively. Three First Aid cases were recorded, which is below average for a given month. MSA will continue to closely monitor First Aid cases to determine emerging trends and implement awareness activities, as warranted.

The 2020 Safety Improvement Goals were finalized and distributed. These goals are based on previously identified less-than-adequate results gathered from injury reports, Voluntary Protection Program assessment interviews, and safety culture indicators.



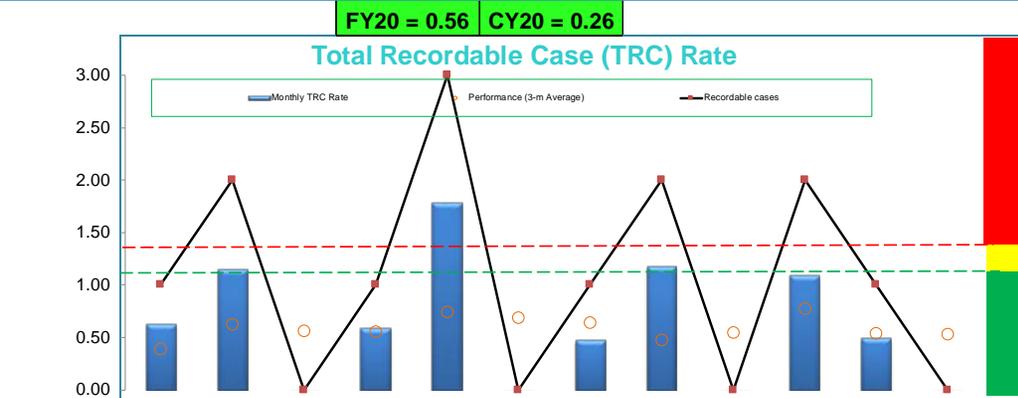
Table 3-1. Total Recordable Case Rate, (TRC)

**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**

	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20
Monthly Recordable Cases	1	2	0	1	3	0	1	2	0	2	1	0
Monthly TRC Rate	0.62	1.15	0.00	0.58	1.78	0.00	0.47	1.17	0.00	1.08	0.48	0.00
Performance (3-m Average)	0.39	0.63	0.56	0.55	0.74	0.69	0.64	0.48	0.55	0.77	0.54	0.53
Performance (12-m Average)	0.47	0.47	0.42	0.42	0.51	0.51	0.50	0.55	0.46	0.59	0.55	0.58

**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**

**Performance Indicator Information**

PI Owner:	Lanette Adams
Data Analyst:	Terri Martinez
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003, Sect. 4.0
Date:	2/10/2020

**Analysis**  
 During the month of February, there were no reported incidents that classified as a "Recordable" injury. FYTD, MSA has experienced 5 OSHA Recordable injuries.

- Types of injuries MSA has experienced during FY2020 that classified as Recordable:
  - overexertion (2), body motion (2), struck against (1)
- Body parts that have been affected in FY2020:
  - back (1), arm (1), neck (1), elbow (1), knee (1)

Note: FY2019 Recordable Cases: 11 (TRC = 0.46)

**Action**  
 Injury Prevention Actions:

- Evaluated all 2018 and 2019 injuries to determine emerging trends and implement awareness activities, as warranted
- MSA President and COO messages encouraging employees to remain focused on the current mission and continue to safely deliver on commitments.
- Enhanced communications regarding traffic safety and, as government contractors, how it is imperative that policies and procedures are followed, especially when it comes to proper use of government resources, including motor vehicles.
- Discussed injuries and injury rates, including prevention measures to avoid workplace accidents and incidents, at EZAC/PZAC and organizational-level safety meetings
- Highlighted the following 24/7 safety topics at back to work meetings for all employees: 1) employee safety recognition programs; 2) heart health and living a healthy lifestyle; 3) security badge and access card requirements on the Hanford Site; and, 4) seatbelt safety and requirements in support of the "Commit to Click" campaign.

**Additional Info**  
 None

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

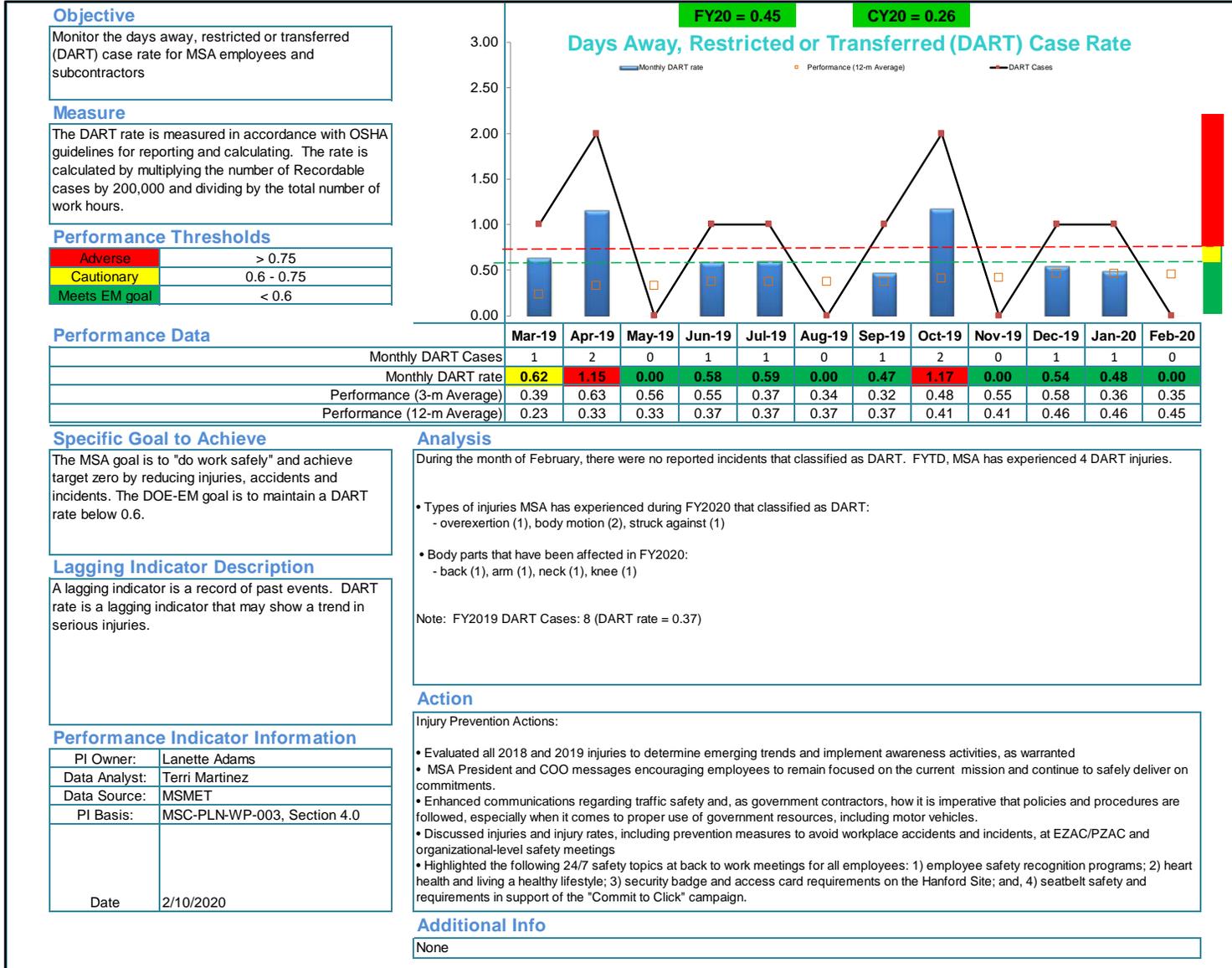




Table 3-3. First-Aid Case Rate

FY20 = 4.14 CY20 = 3.17

**Objective**

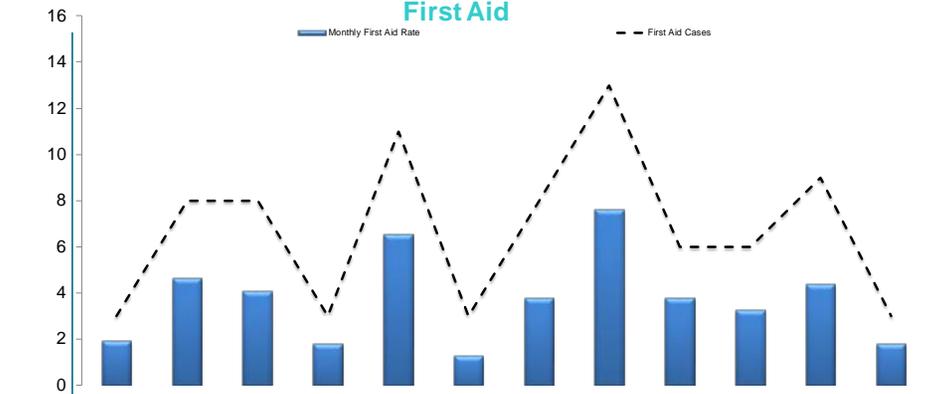
Monitor the number of First Aid cases and rate as a leading indicator to days away, restricted, or transferred (DART) and Total Recordable Case (TRC) rates for MSA and subcontractor employees.

**Measure**

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

**Performance Thresholds**

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



**Performance Data**

	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20
First Aid Cases	3	8	8	3	11	3	8	13	6	6	9	3
Monthly First Aid Rate	1.87	4.58	4.04	1.75	6.53	1.23	3.74	7.59	3.76	3.24	4.34	1.75
Performance (3 month Average)	3.34	3.99	3.57	3.49	4.09	2.91	3.52	3.82	4.95	4.84	3.80	3.19
Performance (12 month Average)	4.17	4.26	4.19	4.13	4.12	3.96	4.04	4.19	4.09	3.78	3.92	3.64

**Specific Goal to Achieve**

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

**Leading Indicator Description**

**Performance Indicator Information**

PI Owner:	Lanette Adams
Data Analyst:	Terri Martinez
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003 Sect. 4.0
Date	2/10/2020

**Analysis**

During the month of February, MSA had 3 First Aid cases that were caused by the following incidents: overexertion (1); struck against object (1); and, contact - insect or animal (1).

In FY 2020, overexertion and struck against object have contributed to the majority of First Aid incidents. Other categories include the following:

- 26% overexertion; 18% struck against object; 13% body motion; 10% struck by object; 10% slip/trip/fall; 8% contact foreign body; 5% awkward position; 5% contact animal, insect; 3% repeat motion/cum trauma; and, 3% unknown cause

- 22% arm/wrist; 17% hand/finger; 17% back; 12% knee; 12% head/neck/eye; 10% leg; 5% foot/ankle; 2% shoulder; and, 2% body

Note: FY2019 First Aid Cases: 88 (Rate = 4.04)

**Actions**

Injury Prevention Actions:

- Evaluated all 2018 and 2019 injuries to determine emerging trends and implement awareness activities, as warranted
- MSA President and COO messages encouraging employees to remain focused on the current mission and continue to safely deliver on commitments.
- Enhanced communications regarding traffic safety and, as government contractors, how it is imperative that policies and procedures are followed, especially when it comes to proper use of government resources, including motor vehicles.
- Discussed injuries and injury rates, including prevention measures to avoid workplace accidents and incidents, at EZAC/PZAC and organizational-level safety meetings
- Highlighted the following 24/7 safety topics at back to work meetings for all employees: 1) employee safety recognition programs; 2) heart health and living a healthy lifestyle; 3) security badge and access card requirements on the Hanford Site; and, 4) seatbelt safety and requirements in support of the "Commit to Click" campaign.

**Additional Info**

None



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

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

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE													DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188		
<b>1. Contractor</b> a. Name Mission Support Alliance			<b>2. Contract</b> a. Name Mission Support Contract			<b>3. Program</b> a. Name Mission Support Contract			<b>4. Report Period</b> a. From (2020/01/27)								
b. Location (Address and Zip Code) Richland, WA 99352			b. Number RL14728			b. Phase Operations			b. To (2020/02/23)								
c. TYPE CPAF			d. Share Ratio			c. EVMS ACCEPTANCE No <input checked="" type="checkbox"/> Yes											
<b>5. CONTRACT DATA</b>																	
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		\$4,364,227		\$1,828		\$237,747		\$4,601,974		\$4,531,391		N/A		N/A		N/A	
<b>6. ESTIMATED COST AT COMPLETION</b>																	
			CONTRACT BUDGET BASE (2)			VARIANCE (3)			<b>7. AUTHORIZED CONTRACTOR REPRESENTATIVE</b> a. NAME (Last, First, Middle Initial) Wilkinson, Robert E				b. TITLE MSC Project Manager				
a. BEST CASE			\$4,366,055						c. SIGNATURE <i>[Signature]</i>				d. DATE SIGNED 3-26-2020				
b. WORST CASE			\$4,508,326														
c. MOST LIKELY			\$4,293,644			4,366,055			72,411								
<b>8. PERFORMANCE DATA</b>																	
Item (1)	Current Period						Cumulative to Date					At Completion					
	Budgeted Cost		Actual Cost Work Performed (4)	Variance		Budgeted Cost	Work		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)						
<b>a. WORK BREAKDOWN STRUCTURE ELEMENT</b>																	
3001.01.01 - Safeguards and Security	5,405	5,405	5,125	0	280	645,355	645,355	638,134	0	7,220	663,933	656,715	7,219				
3001.01.02 - Fire and Emergency Response	2,920	2,920	2,902	0	17	283,807	283,807	284,305	0	(498)	293,952	294,921	(970)				
3001.01.03 - Emergency Management	338	338	317	0	21	47,211	47,211	47,067	0	144	48,415	48,251	164				
3001.01.04 - HAMMER	761	761	788	0	(27)	80,256	80,256	76,721	0	3,535	82,945	79,406	3,539				
3001.01.05 - Emergency Services Management	221	221	188	0	33	17,136	17,136	17,008	0	129	17,646	17,596	51				
3001.02.01 - Site-Wide Safety Standards	101	101	73	0	28	9,184	9,184	10,051	0	(866)	9,579	10,409	(829)				
3001.02.02 - Environmental Integration	268	268	293	0	(25)	58,738	58,738	57,497	0	1,242	59,678	58,459	1,219				
3001.02.03 - Public Safety & Resource Protection	948	948	699	0	249	78,720	78,720	77,317	0	1,404	81,907	80,327	1,580				
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	102	102	100	0	1	34,050	34,050	33,289	0	761	34,407	33,635	772				
3001.03.02 - Information Systems	540	540	636	0	(95)	125,017	125,017	123,364	0	1,653	127,102	126,651	451				
3001.03.03 - Infrastructure / Cyber Security	620	620	656	0	(35)	50,745	50,745	49,370	0	1,375	52,832	52,156	676				
3001.03.04 - Content & Records Management	469	469	546	0	(77)	73,067	73,067	72,459	0	608	74,684	74,031	652				
3001.03.05 - IR/CM Management	166	166	247	0	(81)	15,930	15,930	16,010	0	(80)	16,400	16,659	(259)				
3001.03.06 - Information Support Services	127	127	134	0	(7)	15,454	15,454	15,495	0	(42)	15,897	15,932	(35)				
3001.04.01 - Roads and Grounds Services	367	367	290	0	76	34,618	34,618	35,487	0	(868)	36,186	37,025	(839)				
3001.04.02 - Biological Services	286	286	316	0	(29)	40,436	40,436	40,144	0	291	41,432	41,214	218				
3001.04.03 - Electrical Services	1,336	1,336	1,361	0	(25)	132,748	132,748	132,634	0	114	137,518	137,586	(68)				
3001.04.04 - Water/Sewer Services	1,462	1,462	1,660	0	(198)	141,656	141,656	140,687	0	969	146,708	145,666	1,041				
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	27	27	31	0	(4)	10,953	10,953	10,901	0	51	11,048	10,997	51				



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 (2020/01/27)															
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2020/02/23)															
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No X Yes																		
Item (1)	Current Period			Variance		Budgeted Cost		Actual Cost		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	8	8	0	0	8	757	757	676	0	82	785	715	69										
3001.04.10 - Technical Services	413	413	557	0	(145)	52,836	52,836	54,190	0	(1,353)	54,427	55,870	(1,444)										
3001.04.11 - Energy Management	112	112	112	0	(1)	13,016	13,016	12,599	0	416	13,398	13,045	353										
3001.04.12 - Hanford Historic Buildings Preservation	262	262	206	0	56	27,030	27,030	25,904	0	1,125	27,741	26,899	842										
3001.04.13 - Work Management	204	204	210	0	(7)	17,220	17,220	18,721	0	(1,501)	17,913	19,417	(1,505)										
3001.04.14 - Land and Facilities Management	418	418	409	0	9	52,210	52,210	50,026	0	2,184	54,311	52,223	2,089										
3001.04.15 - Mail & Courier	55	55	59	0	(4)	7,523	7,523	7,532	0	(9)	7,694	7,712	(18)										
3001.04.16 - Property Systems/Acquisitons	557	557	620	0	(63)	65,443	65,443	65,320	0	123	67,400	67,453	(53)										
3001.04.17 - General Supplies Inventory	68	68	477	0	(409)	2,438	2,438	1,576	0	862	2,678	1,751	927										
3001.04.18 - Maintenance Management Program Implementation	67	67	66	0	1	11,009	11,009	10,975	0	34	11,243	11,213	29										
3001.06.01 - Business Operations	835	835	638	0	197	64,698	64,698	23,342	0	41,356	68,291	27,068	41,223										
3001.06.02 - Human Resources	284	284	265	0	18	29,130	29,130	26,932	0	2,198	30,146	27,956	2,190										
3001.06.03 - Safety, Health & Quality	1,441	1,441	1,505	0	(64)	192,127	192,127	189,610	0	2,517	197,221	194,756	2,465										
3001.06.04 - Miscellaneous Support	325	325	377	0	(51)	55,623	55,623	56,298	0	(675)	56,748	57,360	(612)										
3001.06.05 - Presidents Office (G&A nonPMB)	0	0	1	0	(1)	516	516	89	0	427	823	397	426										
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	229	229	205	0	24	61,623	61,623	60,411	0	1,212	62,436	61,164	1,272										
3001.08.01 - Water System	377	330	452	(47)	(122)	49,008	46,329	33,818	(2,678)	12,511	50,818	38,150	12,668										
3001.08.02 - Sewer System	0	0	70	0	(70)	17,321	17,058	21,097	(263)	(4,039)	17,321	21,576	(4,254)										
3001.08.03 - Electrical System	848	359	409	(489)	(50)	29,728	28,310	28,745	(1,418)	(435)	32,844	32,274	570										
3001.08.04 - Roads and Grounds	0	0	0	0	0	10,015	10,015	9,448	0	567	10,218	9,448	770										
3001.08.05 - Facility System	22	13	7	(9)	6	12,949	12,905	13,202	(43)	(296)	13,799	14,222	(423)										
3001.08.06 - Reliability Projects Studies & Estimates	659	659	651	0	8	27,901	27,901	29,330	0	(1,430)	30,192	31,891	(1,699)										
3001.08.07 - Reliability Project Spare Parts Inventory	47	47	(47)	0	94	5,008	5,008	3,676	0	1,332	5,148	3,825	1,323										
3001.08.08 - Network & Telecommunications System	142	160	180	19	(20)	33,430	32,958	35,316	(472)	(2,357)	34,343	37,135	(2,792)										
3001.08.09 - Capital Equipment Not Related to Construction	2	21	0	19	21	15,112	15,126	13,713	14	1,413	15,769	15,155	613										
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	125	0	0	(125)	0	125	126	(0)										
3001.90.04 - MSA Transition	0	0	0	0	0	5,868	5,868	5,868	0	0	5,868	5,868	0										
3001.B1.06 - Projects	0	0	0	0	0	(0)	(0)	0	0	(0)	(0)	0	(0)										
b. COST OF MONEY																							
c. GENERAL AND ADMINISTRATIVE																							
d. UNDISTRIBUTED BUDGET																							
e. SUBTOTAL (Performance Measurement Baseline)											23,838	23,332	23,793	(507)	(462)	2,832,334	2,827,347	2,753,460	(4,985)	73,886	2,944,219	2,874,072	70,147



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 (2020/01/27)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2020/02/23)								
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	1,264	1,264	1,319	0	(55)	155,023	155,023	154,660	0	363	159,493	159,225	268			
3001.02.04 - Radiological Site Services	865	865	741	0	124	71,072	71,072	70,738	0	335	73,694	73,277	416			
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	239	239	285	0	(46)	10,765	10,765	10,530	0	235	11,614	11,321	293			
3001.03.04 - Content & Records Management	67	67	60	0	7	3,245	3,245	3,267	0	(22)	3,473	3,500	(27)			
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	1,856	1,856	2,053	0	(197)	116,741	116,741	117,560	0	(819)	129,504	130,248	(744)			
3001.04.05 - Facility Services	869	869	879	0	(10)	90,149	90,149	89,650	0	499	93,213	92,989	224			
3001.04.06 - Transportation	455	455	465	0	(10)	55,688	55,688	55,306	0	382	57,638	56,966	673			
3001.04.07 - Fleet Services	1,317	1,317	1,466	0	(149)	156,267	156,267	157,512	0	(1,245)	160,914	162,522	(1,608)			
3001.04.08 - Crane and Rigging	924	924	951	0	(27)	129,599	129,599	129,100	0	499	132,835	132,421	414			
3001.04.10 - Technical Services	238	238	172	0	66	10,728	10,728	10,318	0	409	11,538	11,142	396			
3001.04.13 - Work Management	54	54	48	0	6	4,650	4,650	4,601	0	49	4,843	4,793	50			
3001.04.14 - Land and Facilities Management	805	805	807	0	(2)	77,997	77,997	78,027	0	(30)	80,642	80,690	(47)			
3001.04.15 - Mail & Courier	17	17	17	0	(0)	1,828	1,828	1,819	0	9	1,888	1,881	7			
3001.06.01 - Business Operations	871	871	945	0	(74)	118,235	118,235	118,342	0	(108)	121,178	121,329	(152)			
3001.06.02 - Human Resources	311	311	327	0	(16)	33,738	33,738	33,525	0	212	34,830	34,635	196			
3001.06.03 - Safety, Health & Quality	118	118	116	0	2	16,658	16,658	15,627	0	1,031	17,065	16,074	991			
3001.06.04 - Miscellaneous Support	288	288	184	0	104	19,843	19,843	20,381	0	(538)	20,860	21,413	(553)			
3001.06.05 - Presidents Office (G&A nonPMB)	273	273	347	0	(74)	29,698	29,698	29,674	0	24	30,689	30,678	11			
3001.06.06 - Strategy	19	19	20	0	(1)	3,197	3,197	3,111	0	86	3,263	3,183	80			
3001.A1.01 - Transfer - CHPRC	6,268	6,268	5,834	0	434	746,894	746,894	746,326	0	568	768,968	767,080	1,888			
3001.A1.02 - Transfer - WRPS	4,139	4,139	4,493	0	(354)	359,511	359,511	358,517	0	993	374,219	372,557	1,662			
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	42	42	54	0	(12)	3,693	3,693	3,792	0	(99)	3,844	3,957	(113)			
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	48	48	68	0	(20)	3,632	3,632	3,752	0	(121)	3,802	3,936	(134)			
3001.A2.06 - Non-Transfers - BNI Corp	0	0	0	0	0	7	7	1	0	6	7	1	6			
3001.A2.07 - Non-Transfers-WAI	30	30	27	0	3	1,502	1,502	1,407	0	95	1,607	1,527	80			
3001.A4.01 - Request for Services	522	522	824	0	(302)	119,773	119,773	120,280	0	(507)	121,627	122,121	(493)			
3001.A4.02 - HAMMER RFSs	125	125	193	0	(68)	36,841	36,841	35,445	0	1,397	37,287	35,932	1,355			
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	12	0	32	11,478	11,478	12,758	0	(1,280)	11,635	12,873	(1,239)			
3001.A5.01 - RL PD	22	22	26	0	(4)	6,806	6,806	6,674	0	132	6,882	6,750	132			
3001.A5.02 - ORP PD	66	66	46	0	20	8,797	8,797	8,770	0	27	9,033	8,981	52			

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

CONTRACT PERFORMANCE REPORT												DOLLARS IN Thousands			FORM APPROVED OMB No. 0704-0188	
FORMAT 1 - WORK BREAKDOWN STRUCTURE																
1. Contractor		2. Contract		3. Program				4. Report Period								
a. Name		a. Name		a. Name				a. From (2020/01/27)								
b. Location (Address and Zip Code)		b. Number		b. Phase				b. To (2020/02/23)								
Richland, WA 99352		c. TYPE		c. EVMS ACCEPTANCE												
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)						
3001.A5.03 - RL Project Funded	399	399	384	0	16	19,931	19,931	18,269	0	1,662	21,299	19,785	1,514			
3001.A5.04 - ORP Project Funded	130	130	108	0	22	8,767	8,767	8,281	0	486	9,217	8,695	522			
3001.A6.01 - Portfolio PMTOs	0	0	0	0	0	1,102	1,102	1,102	0	(0)	1,102	1,102	(0)			
3001.A7.01 - G&A Liquidations	(2,117)	(2,117)	(2,121)	0	3	(233,805)	(233,805)	(231,980)	0	(1,825)	(241,132)	(239,872)	(1,260)			
3001.A7.02 - DIA Liquidations	(1,630)	(1,630)	(1,662)	0	32	(159,991)	(159,991)	(158,177)	0	(1,815)	(166,083)	(164,235)	(1,848)			
3001.A7.03 - Variable Pools Revenue	(7,104)	(7,104)	(8,334)	0	1,231	(769,652)	(769,652)	(773,578)	0	3,926	(800,290)	(800,242)	(48)			
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											5,499	5,499	0			
e2. SUBTOTAL (Non - Performance Measurement Baseline)	11,836	11,836	11,154	0	682	1,372,095	1,372,095	1,367,780	0	4,315	1,419,390	1,417,125	2,265			
f. MANAGEMENT RESERVE											2,446	2,446	0			
g. TOTAL	35,674	35,167	34,948	(507.0)	220	4,204,429	4,199,442	4,121,240	(4,985)	78,201	4,366,055	4,293,644	72,411			
9. RECONCILIATION TO CONTRACT BUDGET BASE																
a. VARIANCE ADJUSTMENT																
b. TOTAL CONTRACT VARIANCE																





5.0 FORMAT 3, DD FORM 2734/3, BASELINE

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

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE														DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188	
<b>1. Contractor</b>			<b>2. Contract</b>			<b>3. Program</b>			<b>4. Report Period</b>								
a. Name Mission Support Alliance			a. Name Mission Support Contract			a. Name Mission Support Contract			a. From (2020/01/27)								
b. Location (Address and Zip Code) Richland, WA 99352			b. Number RL14728			b. Phase Operations			b. To (2020/02/23)								
c. TYPE CPAF			d. Share Ratio			c. EVMS ACCEPTANCE No <input checked="" type="checkbox"/> Yes											
<b>5. CONTRACT DATA</b>																	
a. ORIGINAL NEGOTIATED COST  \$2,854,966				b. NEGOTIATED CONTRACT CHANGES  \$1,509,261		c. CURRENT NEGOTIATED COST (a+b)  \$4,364,227		d. ESTIMATED COST OF UNAUTHORIZED UNPRICED WORK  \$1,828		e. CONTRACT BUDGET BASE (C+D)  \$4,366,055		f. TOTAL ALLOCATED BUDGET  \$4,366,055		g. DIFFERENCE (E - F)  \$0			
h. CONTRACT START DATE  2009/05/24				i. CONTRACT DEFINITIZATION DATE  2009/05/24				j. PLANNED COMPLETION DATE  2020/05/25			k. CONTRACT COMPLETION DATE  2020/05/25		l. ESTIMATED COMPLETION DATE  2020/05/25				
<b>6. PERFORMANCE DATA</b>																	
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								
			MAR FY20 (4)	APR FY20 (5)	MAY FY20 (6)	JUN FY20 (7)	JUL FY20 (8)	AUG FY20 (9)	SEP FY20 (10)	OCT FY21 (11)	NOV FY21 (12)	DEC FY21 (13)	JAN FY22 (14)				
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	2,808,496	23,742	26,650	31,813	27,202	0	0	0	0	0	0	0	0	0	0	(81,998)	2,835,905
b. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	23,839	(23,742)	233	1,006	321	0	0	0	0	0	0	0	0	0	0	106,658	108,314
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	2,832,335	0	26,883	32,818	27,523	0	0	0	0	0	0	0	0	0	0	24,660	2,944,219



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

DOLLARS IN Thousands															FORM APPROVED OMB No. 0704-0188			
1. Contractor		2. Contract			3. Program				4. Report Period									
a. Name Mission Support Alliance		a. Name Mission Support Contract			a. Name Mission Support Contract				a. From (2020/01/27)									
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations				b. To (2020/02/23)									
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No X Yes													
6. PERFORMANCE DATA																		
ITEM (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)															
			Six Month Forecast By Month						Remaining Forecast By Month								UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)
			MAR FY20 (4)	APR FY20 (5)	MAY FY20 (6)	JUN FY20 (7)	JUL FY20 (8)	AUG FY20 (9)	SEP FY20 (10)	OCT FY21 (11)	NOV FY21 (12)	DEC FY21 (13)	JAN FY22 (14)					
a2. NON - PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	1,360,259	11,779	12,953	16,099	12,745	0	0	0	0	0	0	0	0	0	0	(45,120)	1,368,714	
b2. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	11,836	(11,779)	0	0	0	0	0	0	0	0	0	0	0	0	0	50,619	50,676	
c2. NON - PERFORMANCE MEASUREMENT BASELINE (End of Period)	1,372,095	0	12,953	16,099	12,745	0	0	0	0	0	0	0	0	0	0	5,499	1,419,390	
7. MANAGEMENT RESERVE																	2,446	
8. TOTAL	4,204,430	0	39,835	48,917	40,268	0	0	0	0	0	0	0	0	0	0	30,159	4,366,055	



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 (2019/1/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2020/02/23)
	c. Type CPAF	d. Share Ratio NO X YES	
5. Evaluation			

**Explanation of Variance/Description of Problem:**

**Current Month Cost Variance (CV):**

**3001.01.01 Safeguards and Security** – A favorable CM CV is primarily due to labor underruns resulting from attrition and rate variances.

**3001.04.17 General Supplies Inventory** – The unfavorable CM CV is primarily due to purchases of general supplies inventory.

**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:** No significant impacts associated with this CM CV.

**Corrective Action – Current Month Cost Variance:** None

**Current Month Schedule Variance:**

**3001.08.03 Electrical System** – The unfavorable CM SV resulted because of project L-789 “Prioritize T&D Sys Wood PP Test & Replace” delayed design change notices (DCN) issuances and the line drop that resulted in a suspension of the electrical hot work.

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



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

1. Contractor	2. Contract		3. Program	4. Report Period
a. Name Mission Support Alliance	a. Name Mission Support Contract		a. Name Mission Support Contract	a. From (2019/1/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2020/02/23)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NOX YES	
5. Evaluation				

**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:**

**3001.01.01 Safeguard and Security -** The favorable CTD CV is due to Fiscal Year (FY) 2019 year-end variance distributions; labor underruns resulting from attrition, rate variances and R-Time for hazardous roads; and material and subcontract underruns due to time phasing, or associated with acquisitions deferred until FY20 or realized at lower than planned cost.

**3001.06.01 Business Operations –** The 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:

- Awarding the Engineering Study on Project L-894 “Raw Water Cross Connect Isolation 200 E/W” for less than planned, the conceptual design utilizing fewer resources than originally planned, the Definitive Design experiencing cost underruns and awarding the construction contract for 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.



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 (2019/1/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2020/02/23)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NOX YES	
5. Evaluation				

- 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” had savings on materials, and fixed price construction contracts.

**Variable Service Pools - 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 underruns during the execution of the FY 2019 work scope. MSA is in the process of re-submitting a credit cost variance proposal for the FY 2019 underruns by incorporating comments from DOE-RL. MSA does not anticipate resolution of the affiliate credit on IT scope prior to the end of the MSA contract.

**Corrective Action - Cumulative Cost Variance:** None.

**Cumulative Schedule Variance:**

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

- Project L-895 “Fire Protection Infrastructure for PRW” construction activity delays including erection of the 282WF building, backup generator installation, anchoring and wiring of several major components, installation of switchgear and Programmable Logic Controllers (PLC) procurement and pre-programming.
- Project L-826 “181B Vertical Turbine Pumps” due to a schedule delay because of the Architectural/Engineering (A/E) analysis showing inefficient pumping system design. Due to realized risks, the project plans implementing Phase II BCR/Schedule in Fiscal Month (FM) March to reflect the revised execution plan.



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

1. Contractor	2. Contract		3. Program	4. Report Period
a. Name Mission Support Alliance	a. Name Mission Support Contract		a. Name Mission Support Contract	a. From (2019/1/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2020/02/23)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NOX YES	
5. Evaluation				

- Project L-849 “Replace 200E 1.1M-gal PW Tank” due to schedule delay because of staffing turnover and Engineering Subcontractor notification that they were unable to complete the remaining design work scope. Due to realized risks, the project plans implementing Phase II BCR/Schedule in FM March to reflect the revised execution plan.
- Project L-781, “181D Vertical Turbine Pumps” due to schedule delay because of the A/E analysis showing inefficient pumping system design. Due to realized risks, the project plans implementing Phase II BCR/Schedule in FM March to reflect revised execution plan.

**3001.08.02 Sewer System** – The unfavorable CTD SV on Project L-854, “200E Sewer Consolidations” is primarily due to immature planning & work being more complex than planned.

**3001.08.03 Electrical System** – Unfavorable CTD SV is because:

- Project L-789 “Prioritize T&D Sys Wood PP Test & Replace” experienced planned pole replacement activities delay due to design change notices issuance and the line drop that resulted in suspension of electrical hot work.
- Project H-006 “10 CFR 851” encountered breaker maintenance outage challenges with scheduling the actual outage in the field. Advance anticipation by the project of these operation changes is unrealistic. A BCR approved this month adds additional outages for April and May inside contract.

**3001.08.08 Network Telecommunication System** – Unfavorable CTD SV is because

- Project L-905 “FARS & RFARS Replacement & Upgrade” delayed approval of both the Facility Management Plan and final review of the Statement of Work resulting in a two-month schedule slip.
- 3001.08.12 Reliability Projects Out-Year Planning not completing the Out-Year-Planning package as proposed during this contract period. A future BCR removing the remaining budget moves it to SWS-Undistributed Budget.

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 (2019/1/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2020/02/23)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NOX YES	
5. Evaluation				

**Impacts - Cumulative Schedule Variance:** Impacts to Reliability Projects are minimal because most reliability projects are independent stand-alone projects. Projects L-789 & L-854, tied to the DFLAW program schedule, are an exception.

- Project L-789 “Prioritize T&D Sys Wood PP Test & Replace” schedule impacts are due to delayed DCNs issuances, and the line drop that resulted in a suspension of electrical hot work.
- Project L-854, “200E Sewer Consolidations” “200E Sewer Consolidations” is due to adjusting the pipe installation for Phases 5 and 6 to accommodate the operation schedule of other Hanford contractors. Project completed preparation work for acceptance testing.

**Corrective Action – Cumulative Schedule Variance:** No corrective action is required because most of these projects are stand-alone. Projects L-789 & L-854, tied to the DFLAW program schedule are an exception.

- Project L-789 “Prioritize T&D Sys Wood PP Test & Replace” The subcontractor has pulled their forces off-site to limit cost impacts to the project. The project expects additional costs due to subcontractor change orders for outstanding DCNs, and additional MSA support costs due to extended schedule. These changes resulted because of placing the subcontractor on-hold and assigning them to off-site work (pause on hot work; DCNs not ready to support work in the field). The project forecast approximately \$400K for subcontractor change orders for the next reporting period.
- Project L-854, “200E Sewer Consolidations” - To mitigate the impact, the project plans to adjust the pipe installation for Phases 5 and 6 to accommodate the operation schedule of other Hanford contractors.

**Variance at Complete:**

The favorable VAC in the Performance Measurement Baseline (PMB) and non-PMB is primarily due to the affiliate credit on IT scope and underruns during FY 2019.



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

1. Contractor	2. Contract	3. Program	4. Report Period
a. Name Mission Support Alliance	a. Name Mission Support Contract	a. Name Mission Support Contract	a. From (2019/1/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2020/02/23)
	c. Type CPAF	d. Share Ratio	
		c. EVMS Acceptance NO X YES	

**Impacts – At Complete Variance:** None.

**Corrective Action - At Complete Variance:**

MSA does not anticipate resolution of the affiliate credits on IT scope during FY 2020. MSA reached agreement on February 11 and 20, 2020 for REA FY17 & 18 3001.A1 and 3001.A2 Fee Proposals, respectively. MSA does not anticipate resolution of the affiliate credit on IT scope prior to the end of the MSA contract. MSA is in the process of re-submitting the FY 2019 Cost Variance Credit Proposal based on comments from DOE-RL.

**Negotiated Contract Changes:**

The Negotiated Contract Cost for February 2020 had an increase of \$161.3M from \$4,202.9M to \$4,364.2M. The increase was associated with Contract Mod 871 bilateral agreement on contract price through May 25, 2020.

**Changes in Estimated Cost of Authorized Unpriced Work:**

The Authorized Unpriced Work (AUW) for the reporting period remains the same at \$1.8M.

**Changes in Estimated Price:**

The Estimated Price for February 2020 increased \$52.4M from \$4,479.0M to \$4,531.4M. The Estimated Price includes the Most Likely Management Estimate at Completion (MEAC) of \$4,293.6M and fee of \$237.8M. Mod 871 resulted in an estimated price increase that changed the UB forecast through May 25, 2020.

**Changes in Undistributed Budget:**

The Undistributed Budget (UB) for this reporting period increased by \$157.3M from (\$127.1M) to \$30.2M. Contract Mod 871 provided MSA with an additional contract price of \$174.3M for the extension from November 25, 2019 to May 25, 2020, eliminating the negative balance in UB. Reliability Projects reduced \$1.6M in SWS UB to plan work scope to the end of the contract extension.





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 (2019/1/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2020/02/23)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NOX YES	
<b>5. Evaluation</b>				

The following BCRs changed the UB:

- VMSA-20-017 Rev 1 – Definitization of Extension Period 2 from November 26, 2019 to May 25, 2020 and Fee
- VMSA-20-010 – Create a Level 5 WBS for EC02, 30 Ton Crane and Move Budget from SWS-UB for Purchase
- VMSA-20-014 Rev 1 – Re-Plan H-001, BMS Upgrade Procurement Approach and Move Budget from SWS-UB
- VMSA-20-022 – Move Additional L-801 Design & Construction Activities & Budget into the MSA Contract Extension Period of Performance from SWS-UB
- VMSA-20-024 – Create Two Level 5 WBSs for Procurement of Two 80-Ton Cranes and Move Budget from SWS-UB
- VMSA-20-026 – Create a Level 5 WBS for L-791, Phase II Construction; Move Scope, Schedule & Budget in to MSA Contract Extended Period of Performance from SWS-UB
- VMSA-20-027 – Create a Level 4 & Three Level 5 WBSs for L-907; Move Budget to Begin Conceptual Design from SWS-UB
- VMSA-20-028 – Create a Level 5 WBS for H-006, 10 CFR 851; Move Scope, Schedule & Budget into MSA Contract Extended Period of Performance from SWS-UB
- VMSA-20-029 – Create Four Level 4 and Eight Level 5 WBSs and Move Scope, Schedule, and Budget for L-534, L-603, L-879 & L-883 into MSC Contract Extended Period of Performance for Procurement and Construction Premobilization of Roads Projects from SWS-UB

**Changes in Management Reserve:**

The MR for this reporting period increased \$2.3M from \$0.08M to \$2.4M due to potential risk with the remaining Reliability Project budgeted work scope.



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

<b>1. Contractor</b>	<b>2. Contract</b>		<b>3. Program</b>	<b>4. Report Period</b>
a. Name Mission Support Alliance	a. Name Mission Support Contract		a. Name Mission Support Contract	a. From (2019/1/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2020/02/23)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NOX YES	

**5. Evaluation**

**Differences in the Performance Measurement Baseline:**

This reporting period the Performance Measurement Baseline increased \$108.3M from \$2,835.9M to 2,944.2M. The primary reason for the increase was due to contract Mod 871 that provided additional budget for the contract extension.

The following BCR changed the PMB:

- VMSA-20-017 Rev 1 – Definitization of Extension Period 2 from November 26, 2019 to May 25, 2020 and Fee

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

- VMSA-20-010 – Create a Level 5 WBS for EC02, 30 Ton Crane and Move Budget from SWS-UB for Purchase
- VMSA-20-014 Rev 1 – Re-Plan H-001, BMS Upgrade Procurement Approach and Move Budget from SWS-UB
- VMSA-20-022 – Move Additional L-801 Design & Construction Activities & Budget into the MSA Contract Extension Period of Performance from SWS-UB
- VMSA-20-024 – Create Two Level 5 WBSs for Procurement of Two 80-Ton Cranes and Move Budget from SWS-UB
- VMSA-20-026 – Create a Level 5 WBS for L-791, Phase II Construction; Move Scope, Schedule & Budget in to MSA Contract Extended Period of Performance from SWS-UB
- VMSA-20-027 – Create a Level 4 & Three Level 5 WBSs for L-907; Move Budget to Begin Conceptual Design from SWS-UB
- VMSA-20-028 – Create a Level 5 WBS for H-006, 10 CFR 851; Move Scope, Schedule & Budget into MSA Contract Extended Period of Performance from SWS-UB



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 (2019/1/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2020/02/23)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

- VMSA-20-029 – Create Four Level 4 and Eight Level 5 WBSs and Move Scope, Schedule, and Budget for L-534, L-603, L-879 & L-883 into MSC Contract Extended Period of Performance for Procurement and Construction Premobilization of Roads Projects from SWS-UB

**Differences in the Non - Performance Measurement Baseline:**

This reporting period the non-PMB increased \$50.7M from \$1,368.7M to \$1,419.4M. The primary reason for the increase was due to contract Mod 871 that provided additional budget for the contract extension.

The following BCR changed the non-PMB:

- VMSA-20-017 Rev 1 – Definitization of Extension Period 2 from November 26, 2019 to May 25, 2020 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 2020 to Date – February 2020					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
<b>Direct Labor Adder</b>					
Software Engineer Services DLA (3001.03.02.03)	\$238.8	\$238.8	\$284.9	(\$46.1)	(\$220.2)
Content & Records Management DLA (3001.03.01.04)	\$67.2	\$67.2	\$59.9	\$7.3	(\$60.0)
Transportation DLA (3001.04.06.02)	\$454.7	\$454.7	\$464.6	(\$9.9)	(\$513.1)
Maintenance DLA (3001.04.05.02)	\$759.6	\$759.6	\$775.7	(\$16.1)	(\$762.7)
Janitorial Services DLA (3001.04.05.03)	\$109.3	\$109.3	\$103.7	\$5.6	(\$106.1)
<b>Total Direct Labor Adder</b>	<b>\$1,629.6</b>	<b>\$1,629.6</b>	<b>\$1,688.8</b>	<b>(\$59.2)</b>	<b>(\$1,662.1)</b>

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 2020 to Date – February 2020					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
<b>Usage Based Services</b>					
Training (3001.01.04.02)	\$1,264.1	\$1,264.1	\$1,318.8	(\$54.7)	(\$1,586.0)
HRIP (3001.02.04.02)	\$333.8	\$333.8	\$340.4	(\$6.6)	(\$345.3)
Dosimetry (3001.02.04.03)	\$531.6	\$531.6	\$401.0	\$130.6	(\$374.7)
Information Technology Services (3001.03.07.01)	\$1,856.2	\$1,856.2	\$2,052.8	(\$196.6)	(\$2,798.2)
Work Management (3001.04.13.01)	\$54.4	\$54.4	\$48.5	\$5.9	(\$51.2)
Courier Services (3001.04.15.02)	\$17.2	\$17.2	\$17.3	(\$0.1)	(\$18.0)
Occupancy (3001.04.14.06)	\$805.4	\$805.4	\$807.2	(\$1.8)	(\$860.5)
Crane & Rigging (3001.04.08.02)	\$923.8	\$923.8	\$951.0	(\$27.2)	(\$881.6)
Fleet (3001.04.07.02)	\$1,317.0	\$1,317.0	\$1,466.2	(\$149.2)	(\$1,418.5)
<b>Total UBS</b>	<b>\$7,103.5</b>	<b>\$7,103.5</b>	<b>\$7,403.2</b>	<b>(\$299.7)</b>	<b>(\$8,334.0)</b>
<b>Total DLA/ UBS</b>	<b>\$8,733.1</b>	<b>\$8,733.1</b>	<b>\$9,092.0</b>	<b>(\$358.9)</b>	<b>(\$9,996.1)</b>

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 (\$0.4M) - The fiscal year to date unfavorable cost variance is driven by the Fleet Services and Information Technology Usage Based Accounts. The increased Site demand for these UBS has resulted in increased Fleet materials, Mechanic labor, and IT technical labor actuals slightly exceeding plan.



### 8.0 RELIABILITY PROJECT STATUS

Activity in February was centered on continuing progress on projects carried over from FY 2019. (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 Baseline				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	977.5	971.9	1,164.5	(5.7)	(192.6)	0.99	0.83	1,172.5	1,352.7	(180.2)	82.9%	5/21/20	6/11/20	Y	Y	
L-849, Replace 200E 1.1M-gal PW Tank	767.3	498.6	675.5	(268.7)	(176.9)	0.65	0.74	767.3	811.9	(44.6)	65.0%	11/05/18	7/06/20	R	G	
L-894, Raw Water Cross Connection Isolation 200E/W	7,886.2	7,881.5	6,641.0	(4.7)	1,240.5	1.00	1.19	8,015.6	6,977.9	1,037.6	98.3%	5/21/20	6/08/20	Y	G	
L-895, Fire Protection Infrastructure for Plateau Raw Water	7,742.6	5,916.8	6,647.5	(1,825.7)	(730.6)	0.76	0.89	8,708.9	8,707.6	1.3	67.9%	9/17/19	5/04/21	R	G	
L-357, Replace 12" Potable Water Line to 222-S Lab	1,654.4	1,642.8	1,680.9	(11.6)	(38.1)	0.99	0.98	1,654.4	1,685.7	(31.3)	99.3%	7/15/19	3/19/20	R	G	
L-781, 181D Vertical Turbine Pumps	605.7	378.5	333.0	(227.2)	45.5	0.62	1.14	605.7	625.9	(20.2)	62.5%	5/23/19	8/24/20	R	G	
L-897, Central Plateau Water Treatment Facility	2,622.3	2,526.0	2,431.8	(96.3)	94.2	0.96	1.04	3,051.1	2,772.3	278.7	82.8%	5/21/20	7/23/20	R	G	
L-826, 181B Vertical Turbine Pumps	605.7	319.5	313.2	(286.2)	6.3	0.53	1.02	605.7	595.7	10.0	52.7%	5/23/19	8/24/20	R	G	
L-839, 12" Potable Water Loop Line to WTP	160.0	207.7	136.8	47.6	70.9	1.30	1.52	250.5	136.8	113.7	82.9%	5/21/20	5/26/20	Y	G	
L-853, 200E Sewer Flow Equalization Facility	6,054.1	6,008.1	6,552.8	(46.0)	(544.7)	0.99	0.92	6,054.2	6,718.9	(664.7)	99.2%	1/28/19	7/15/20	R	R	
L-854, 200E Sewer Consolidations	5,960.6	5,743.2	6,043.4	(217.4)	(300.1)	0.96	0.95	5,960.7	6,352.5	(391.8)	96.4%	4/16/19	7/29/20	R	R	
L-789, Prioritize T&D Sys Wood PP Test & Replace	6,775.4	5,824.1	6,524.7	(951.2)	(700.6)	0.86	0.89	8,552.1	8,496.1	55.9	68.1%	5/21/20	5/21/20	G	G	
L-801, Upgrade SCADA	1,212.0	1,197.4	1,206.5	(14.6)	(9.1)	0.99	0.99	1,380.3	1,374.9	5.4	86.7%	11/25/19	5/21/20	R	G	
L-791, RFL Transfer Trip Upgrades	959.0	957.0	760.0	(1.9)	197.1	1.00	1.26	1,023.3	824.3	199.0	93.5%	5/23/19	5/21/20	R	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 Baseline				Completion Dates			VAC Cost
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC	% Complete	Baseline Complete Date	Forecast Date	Schedule at Complete		
L-720, Outdoor Lighting Reconfiguration and Repl	203.0	191.6	297.6	(11.4)	(106.0)	0.94	0.64	203.0	341.2	(138.2)	94.4%	5/29/19	4/28/20	R	Y	
H-006, 10 CFR 851	2,556.2	2,130.3	2,123.9	(425.8)	6.5	0.83	1.00	2,877.3	2,602.0	275.3	74.0%	11/25/19	5/20/20	R	G	
L-861, Single Circuit Distribution Pole Replacement	6.7	7.2	1.6	0.5	5.6	1.08	4.38	283.1	278.1	5.0	2.5%	5/19/20	5/26/20	Y	G	
L-612, 230kV Trans Sys Recon & Sustainability	1,319.5	1,305.4	589.2	(14.1)	716.2	0.99	2.22	1,828.3	1,098.3	730.0	71.4%	5/21/20	7/14/20	Y	G	
L-888, 400 Area Fire Station	1,542.5	1,504.2	1,425.9	(38.3)	78.3	0.98	1.05	1,542.5	1,425.9	116.6	97.5%	11/25/19	6/11/20	R	G	
L-796, Key Facilities Roof Replacements	2,082.6	2,081.2	2,094.2	(1.4)	(13.0)	1.00	0.99	2,670.1	2,681.7	(11.7)	77.9%	5/21/20	5/26/20	Y	G	
L-798, 2101M HVAC Replacement	19.7	16.2	0.8	(3.5)	15.3	0.82	19.15	258.8	240.0	18.8	6.2%	5/18/20	5/18/20	G	G	
L-905, FARS & RFARS Replacement & Upgrade	641.9	159.9	196.5	(482.0)	(36.6)	0.25	0.81	641.9	678.5	(36.6)	24.9%	11/25/19	8/19/20	R	G	
L-921, Telecom Hut at Met Tower	53.8	63.9	115.3	10.2	(51.4)	1.19	0.55	231.2	298.1	(66.9)	27.6%	5/21/20	5/20/20	G	G	
L-919, Emergency Radio Upgrade	3,823.2	3,823.2	4,114.7	0.0	(291.5)	1.00	0.93	3,961.9	4,253.4	(291.5)	96.5%	5/21/20	5/21/20	G	Y	
H-001, BMS Upgrade	565.4	564.8	473.8	(0.6)	91.0	1.00	1.19	879.3	708.6	170.7	64.2%	5/21/20	5/27/20	Y	G	
<b>Total</b>	<b>56,796.9</b>	<b>51,921.0</b>	<b>52,545.1</b>	<b>(4,875.9)</b>	<b>(624.0)</b>	<b>0.91</b>	<b>0.99</b>	<b>63,179.4</b>	<b>62,039.1</b>	<b>1,140.3</b>	<b>82.2%</b>					

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) (Threshold: +/- \$250K):

- L-849, *Fire Protection Infrastructure for Plateau Water*: Unfavorable CTD SV is due to additional analysis of 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-895, *Fire Protection Infrastructure for Plateau Water*: Unfavorable CTD SV is due to several construction and procurement activity delays including erection of the 282WF building, backup generator, anchoring and wiring of several major components, and Programmable Logic Controllers (PLC) procurement and pre-programming subcontract.
- L-826, *181B Vertical Turbine Pumps*: Unfavorable CTD SV is 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.
- L-789, *Prioritize T&D Sys Wood PP Test & Replace*: Unfavorable CTD SV is primarily due to delayed design change notices issuance and a line drop that resulted in suspension of electrical hot work.
- H-006, *10CFR 851*: Unfavorable CTD SV is because of encountering breaker maintenance outage challenges with scheduling the actual outage in the field.
- L-905, *FARS & RFARS Replacement & Upgrade*: Unfavorable CTD SV is due to delayed approval of both the Facility Management Plan and final review of the Statement of Work resulting in a two-month schedule slip.

#### CTD Cost Variances (CV) (Threshold: +/- \$500K):

- L-894, *Raw Water Cross Connection Isolation 200E/W*: Favorable CTD CV is due to the Engineering Study report costing less than planned (~\$176K), Conceptual Design utilizing fewer resources than originally planned (~\$110K), the Definitive Design cost underrun (~\$205K), and the construction contract being awarded for less than the planned value (~\$776K).
- L-895, *Fire Protection Infrastructure for Plateau Raw Water*: Unfavorable CTD CV is due to cumulative existing Architecture/Engineering internal labor cost overruns



as well as actual costs exceeding the work performed on several current construction and procurement activities.

- L-853, *200E Sewer Flow Equalization Facility*: Unfavorable CTD CV is due to overruns in MSA labor, unplanned training costs, and subcontract cost that exceeded expectations due to change orders.
- L-789, *Prioritize T&D Sys Wood Test & Replace*: Unfavorable CTD CV is due to higher than anticipated costs for lineman supporting the project, as well as minimal work being performed by the subcontractor during the December holiday season and minimal work performed in January due to their mutual aid agreement in support of the Public Utility District restoration work North of Seattle.
- L-612, *230kV Trans Sys Recon & Sustainability*: Favorable CTD CV is due to 30% Design Contract efficiencies.

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

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

Table 8 -2. Reliability Projects Schedule

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	2020
H-001	H-001, BMS Upgrade	133	67	64.2%	20-May-19	21-May-20	20-May-19 A	27-May-20				
H-006	H-006, 10 CFR 851	292	63	74%	01-Oct-18	25-Nov-19	01-Oct-18 A	20-May-20				
L-357	L-357, Replace 12" Potable Water Line to 222-S Lab	512	19	99.3%	03-Jul-17	15-Jul-19	29-Jun-17 A	19-Mar-20				
L-612	L-612, 230kV Trans Sys Recon & Sustainability	41	100	71.4%	30-Sep-19	21-May-20	01-Oct-18 A	14-Jul-20				
L-720	L-720, Outdoor Lighting Reconfiguration and Repl	147	47	94.4%	15-Oct-18	29-May-19	01-Oct-18 A	28-Apr-20				
L-781	L-781, 181D Vertical Turbine Pumps	163	129	62.5%	01-Oct-18	23-May-19	01-Oct-18 A	24-Aug-20				
L-789	L-789, Prioritized T&D System Wood Pole Upgrades	398	64	68.1%	01-May-18	21-May-20	03-May-18 A	21-May-20				
L-791	L-791, RFL Transfer Trip Upgrades	265	64	93.5%	07-May-18	23-May-19	07-May-18 A	21-May-20				
L-796	L-796, Key Facilities Roof Replacements	265	66	77.9%	04-Dec-19	21-May-20	07-May-18 A	26-May-20				
L-798	L-798, 2101M HVAC Replacement	265	61	6.2%	03-Feb-20	18-May-20	07-May-18 A	18-May-20				
L-801	L-801, Upgrade SCADA	76	64	86.7%	04-Sep-18	25-Nov-19	05-Sep-18 A	21-May-20				
L-826	L-826, 181B Vertical Turbine Pumps	163	129	52.7%	01-Oct-18	23-May-19	01-Oct-18 A	24-Aug-20				
L-839	L-839, 12" Potable Water Loop Line to WTP	109	66	82.9%	24-Jun-19	21-May-20	24-Jun-19 A	26-May-20				
L-849	L-849, Replace 200E 1.1M-gal PW Tank	216	94	65%	02-Jan-18	05-Nov-18	02-Jan-18 A	06-Jul-20				
L-850	L-850, Replace 200W 1.1M-gal PW Tank	480	78	82.9%	02-Jan-18	21-May-20	02-Jan-18 A	11-Jun-20				

Remaining Work  
 Baseline

**MSC - Reliability Projects**  
**Summary Schedule**  
**Data Date: 23-Feb-20**

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	2020	21
L-853	L-853, 200E Sewer Flow Equalization Facility	867	101	99.2%	17-Aug-15	28-Jan-19	17-Aug-15 A	15-Jul-20					
L-854	L-854, 200E Sewer Consolidations	922	111	96.4%	17-Aug-15	16-Apr-19	17-Aug-15 A	29-Jul-20					
L-861	L-861, Single Circuit Distribution Pole Replacement	265	66	2.5%	13-Jan-20	19-May-20	07-May-18 A	26-May-20					
L-888	L-888, 400 Area Fire Station	399	78	97.5%	30-Apr-18	25-Nov-19	30-Apr-18 A	11-Jun-20					
L-894	L-894, Raw Water Cross Connection Isolation 200EW	527	75	98.3%	04-Apr-17	21-May-20	30-Mar-17 A	08-Jun-20					
L-895	L-895, Fire Protection Infrastructure for Plateau Raw Water	605	303	67.9%	05-Jul-17	17-Sep-19	05-Jul-17 A	04-May-21					
L-897	L-897, Central Plateau Water Treatment Facility	503	107	82.8%	29-Nov-17	21-May-20	29-Nov-17 A	23-Jul-20					
L-905	L-905, FARS & RFARS Replacement & Upgrade	331	126	24.9%	06-Aug-18	25-Nov-19	06-Aug-18 A	19-Aug-20					
L-919	L-919, Emergency Radio Upgrade	90	64	96.5%	22-Jul-19	21-May-20	22-Jul-19 A	21-May-20					
L-921	L-921, Telecom Hut at Met Tower	178	63	27.6%	18-Mar-19	21-May-20	18-Mar-19 A	20-May-20					

Remaining Work  
 Baseline

**MSC - Reliability Projects  
Summary Schedule  
Data Date: 23-Feb-20**



## 9.0 BASELINE CHANGE REQUEST LOG (BCR)

### Baseline Change Request Log for February 2020.

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

Three BCRs Authorized by a Contract Modification or RL Direction:

- VMSA-20-017 Rev 1 – Definitization of Extension Period 2 from November 26, 2019 to May 25, 2020 and Fee
- VUBS-20-001 – Mod 868 – Definitization of FY 2017 Request for Equitable Adjustment (REA) and Fee
- VUBS-20-002 – Mod 869 – Definitization of FY 2018 Request for Equitable Adjustment (REA) and Fee

Eight BCRs related to Reliability Projects:

- VMSA-20-010 – Create a Level 5 WBS for EC02, 30 Ton Crane and Move Budget from SWS-UB for Purchase
- VMSA-20-014 Rev 1 – Re-Plan H-001, BMS Upgrade Procurement Approach and Move Budget from SWS-UB
- VMSA-20-022 – Move Additional L-801 Design & Construction Activities & Budget into the MSA Contract Extension Period of Performance from SWS-UB
- VMSA-20-024 – Create Two Level 5 WBSs for Procurement of Two 80-Ton Cranes and Move Budget from SWS-UB
- VMSA-20-026 – Create a Level 5 WBS for L-791, Phase II Construction; Move Scope, Schedule & Budget in to MSA Contract Extended Period of Performance from SWS-UB
- VMSA-20-027 – Create a Level 4 & Three Level 5 WBSs for L-907; Move Budget to Begin Conceptual Design from SWS-UB
- VMSA-20-028 – Create a Level 5 WBS for H-006, 10 CFR 851; Move Scope, Schedule & Budget into MSA Contract Extended Period of Performance from SWS-UB
- VMSA-20-029 – Create Four Level 4 and Eight Level 5 WBSs and Move Scope, Schedule, and Budget for L-534, L-603, L-879 & L-883 into MSC Contract Extended Period of Performance for Procurement and Construction Premobilization of Roads Projects from SWS-UB.

One BCR was Administrative in Nature:



- VMSA-20-004 Rev 4 – Administrative BCR – Create Lower Level Task Order (LLTO) WBSs for Cost Collection Established in the Month of February

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	FY20 Budget	FY20 Management Reserve	Post Contract Budget	Post Contract Mgmt Reserve	Total Lifecycle	Cum Lifecycle Budget
<b>Prior PMB Total</b>	<b>Jan 2020</b>	1,230,506		1,230,506	1,230,506	136,447		1,605,399		2,835,905	2,835,905
VMSA-20-004 Rev 4						0		0		0	2,835,905
VMSA-20-010						0		0		0	2,835,905
VMSA-20-014 Rev 1						0		0		0	2,835,905
VMSA-20-017						108,314		108,314		108,314	2,944,218
VMSA-20-022						0		0		0	2,944,218
VMSA-20-024						0		0		0	2,944,218
VMSA-20-026						0		0		0	2,944,218
VMSA-20-027						0		0		0	2,944,218
VMSA-20-028						0		0		0	2,944,218
VMSA-20-029						0		0		0	2,944,218
<b>Revised PMB Total</b>	<b>Feb 2020</b>	1,230,506		1,230,506	1,230,506	244,760		1,713,713		2,944,218	
<b>Prior Non-PMB Total</b>	<b>Jan 2020</b>	604,007		604,007		57,477		764,708		1,368,714	1,368,714
VMSA-20-004 Rev 4						0		0		0	1,368,714
VMSA-20-017						50,619		50,619		50,619	1,419,333
VUBS-20-001						0		0		0	1,419,333
VUBS-20-002						57		57		57	1,419,390
<b>Revised Non-PMB Total</b>	<b>Feb 2020</b>	604,007		604,007		108,154		815,384		1,419,390	
<b>Total Contract Performance Baseline</b>	<b>Feb 2020</b>	1,834,513		1,834,513	1,834,513	352,914		2,529,096		4,363,609	
<b>Management Reserve</b>	<b>Jan 2020</b>		0	0			79		79	79	79
VMSA-20-017							2,368		2,368	2,368	2,447
<b>Revised Management Reserve</b>	<b>Feb 2020</b>		0	0			2,447		2,447	2,447	
<b>Total Contract Budget Base</b>	<b>Feb 2020</b>			1,834,513				2,531,543		4,366,055	
<b>Prior Fee Total</b>	<b>Jan 2020</b>	109,961		109,961		3,712		113,286		223,247	223,247
VMSA-20-017						13,000		13,000		13,000	236,247
VUBS-20-001						625		625		625	236,872
VUBS-20-002						875		875		875	237,747
<b>Revised Fee Total</b>	<b>Feb 2020</b>	109,961		109,961		18,212		127,786		237,747	
<b>Change Log Total</b>	<b>Feb 2020</b>			1,944,473				2,659,329		4,603,802	



## 10.0 RISK MANAGEMENT

February Risk Management efforts, aiding in completing the overall MSA risk determination, included the following:

- Mission Risk Management:
  - Mission risk review/updates: Risk register reviews and elicitations were held with the MSA Environmental, Safety, Health & Quality (ESH&Q), Emergency Services (ES), Information Management (IM), Site Services and Infrastructure Management (SS&IM), and Public Works (PW) organizations. Revisions to the associated risk registers were captured as appropriate.
    - The Mission level reviews did not result in any changes to the overall risk posture. As a result, the Risk Management Board was not held for February.
- 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.
  - Forty New Project Risks were opened:
    - Nine for Project L-603, *Chip Seal Route 3, Rt. 11A to Rt. 4S*
    - Fifteen for Project L-861, *Single-Circuit Distribution pole replacement (DFLAW Priority)*
    - One for Project L-879, *Overlay Cypress Street*
    - Nine for Project L-883, *Chip Seal Route 10, SR-240 to WYE Barricade*
    - Six for the Tri-Cities Asset Reinvestment Company (TARC) Project
  - Eight Project Risks were closed:
    - Two for Project L-801, *Upgrade SCADA*
    - Two for Project L-888, *400 Area Fire Station*
    - One for Project L-894, *Raw Water Cross Connection Isolation 200E/W*
    - One for Project L-895, *Fire Protection Infrastructure for Plateau Raw Water*



- Two for Project L-921, *Telecom Hut at Met Tower*
- Fourteen Project Risks were re-characterized
  - Three for Project L-612, *230kV Transmission System Reconditioning and Sustainability Repairs*
  - Three for Project L-791, *RFL Transfer Trip Upgrades*
  - One for Project L-801, *Upgrade SCADA*
  - One for Project L-850, *Replace 200W 1.1M-gal PW tank (DFLAW Essential)*
  - One for Project L-879, *Overlay Cypress Street*
  - Two for Project L-895, *Fire Protection Infrastructure for Plateau Raw Water*
  - Two for Project L-897, *200 Area Water Treatment Plant (DFLAW Essential)*
  - One for Project L-905, *FARS & RFARS Replacement & Upgrades*
- 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:
  - Enterprise Risk and Opportunity Management System (EROMS):
    - Ongoing meetings were held with software engineers and Risk representatives from DOE-RL and the other Hanford contractors to discuss the status of the ongoing requests in the newest version. This version is schedule to be implemented in the spring.
  - Completed Risk Analysis Reports for all Phase II Baseline Change Request projects
  - Completed a Probabilistic Cash Flow report used to determined FY 2020 Management Reserve needs



## 11.0 DASHBOARD SUMMARY

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

February FY 2020 Fiscal Year 2020 PEMP Mod 858		YTD Feb
Deliverables		
<b>1.0 Effective Site Cleanup - Achievement of cleanup contractors' key milestones and regulatory commitments</b>		
1.1	Demonstrate that the following performance measure targets were met.	Green
	a Biological Controls – Pest Removal	Green
	b Biological Controls – Tumbleweed Removal	Green
	c Biological Controls – Vegetation	Green
	d Contractor Assurance System - Assessments	Blue
	e Contractor Assurance System - Causal Analysis	Green
	f Contractor Assurance - Issue Resolved	Green
	g Crane and Crew Support	Green
	h Facilities Maintenance	Green
	i Fire Systems - Inspection, Testing and Maintenance	Green
	j Fire Systems - Priority 1 Emergency Impairments	Green
	k Fire Systems - Priority 2 Emergency Impairments	Green
	l Fire Systems - Priority 3 Emergency Impairments	Yellow
	m Fleet Services – Heavy Equipment (Cranes)	Green
	n Fleet Services – Heavy Equipment (Evacuators)	Green
	o Fleet Services – Heavy Equipment (General Purpose)	Green
	p Fleet Services – Light Equipment (Hanford Patrol)	Green
	q Fleet Services – Light Equipment (Hanford Fire)	Green
	r Fleet Services – Light Equipment (Special Purpose Trucks)	Green
	s IT - Cyber Security – System Patching	Green
t RSS - Dosimetry External Services	Green	
u RSS - Instrument Calibration	Green	

**LEGEND**

= On Schedule

= Objective missed

= Not Applicable (Updated quarterly)

= Complete

= In jeopardy

1.1 - Overall Status, Green, Excellent. Fire Systems Priority 3 was yellow due to the following events: 6 - P3 System Restrictions previously excluded due to facility actions have been resolved and now returned to Fire Systems Maintenance for action; in February there was higher than average outage preparation; and due to recent attrition, support to implement has been impacted. Actions to address include additional firefighters will be assigned to the Tuesday - Friday shift to allow for increased support for IT&M on Fridays. FSM will commit overtime craft support.



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

February FY 2020 Fiscal Year 2020 PEMP Mod 858			Deliverables		YTD Feb
<b>1.0 Effective Site Cleanup - Achievement of cleanup contractors' key milestones and regulatory commitments</b>					
1.2	Water	Demonstrate effective management of electric, water and sewer utilities to maximize reliability and redundancy			
		Maintain Raw Water Pressure at ICD Level			
		Maintain Potable Water Pressure at ICD Level			
		Perform Preventative maintenance at 90% or better each month			
		Maintain backlog corrective maintenance average age of open work packages to 300 days or less			
		Ensure all water quality samples are completed on time			
	Sewer	Quarterly System Health Report by Engineering submitted one calendar month after each quarter			N/A
		Perform Preventative maintenance at 90% or better each month			
		Maintain backlog corrective maintenance average age of open work packages to 300 days or less			
	Electric	Quarterly System Health Report by Engineering submitted one calendar month after each quarter			N/A
		Electrical power availability			
		Perform Preventative maintenance at 90% or better each month			
1.3	Maximize efficient MSA use of resources to meet the other Hanford contractors' changing project needs.				
<b>TOTAL OBJECTIVE FEE POOL</b>					
<b>3.0 Comprehensive Performance</b>					
Execute the balance of contract work scope within the contract requirements, terms, and conditions, demonstrating excellence in quality, schedule, management, cost control, small business utilization, and regulatory compliance.					
Provide leadership to improve management effectiveness and collaborate and participate proactively with customers.					
Work with DOE and the other Hanford contractors in a spirit of cooperation to demonstrate operational excellence to include, but not limited to, the following areas:					
a	Business and financial management using approved purchasing, estimating, property, budget, planning, billing, labor, accounting, and performance measurement systems, providing visibility and transparency to DOE with respect to each of the forgoing				
b	Contract change management and subcontract administration and consent activities, e.g., proposal review and negotiation process, including timely and adequate submission of proposals and requests for additional data, timely counteroffers, and attaining small business goals				
c	Safeguards and security, fire department operations, emergency response, and emergency operations/emergency				
d	Land Management				
e	Infrastructure and services program management, operations and maintenance				
f	Effective contractor human resources management				
g	Problem identification and corrective action implementation				
Performed work safely and in a compliant manner that assures the workers, public, and environment are protected from adverse consequences					
Take proactive and effective actions to ensure and accomplish a smooth contract transition.					
Take proactive and effective actions to close and reduce contract closeout actions to effectively reduce efforts needed when the MSC enters its closeout period.					
<b>TOTAL SUBJECTIVE FEE POOL</b>					
<b>TOTAL FEE POOL* (Adjusted for Contract Modifications: N/A)</b>					

**LEGEND**

= On Schedule

= Objective missed

N/A = Not Applicable (Updated quarterly)

= Complete

= In jeopardy

1.3 - Overall Status, Green, Excellent. Out of range at 6.4% due to timing of larger procurement hitting later this spring. Variance is expected to fall back into place once the procurements are realized.

## 12.0 CONTRACT DELIVERABLES STATUS

The following itemizes the contract deliverables due to RL in February 2020, and also provides a look ahead through March 2020.

Table 12-1. February 2020 – March 2020 Contract Deliverables

CDRL	Deliverable	Responsible	Date Due	Date Submitted to DOE	RL Action	Response Time	Date Due from DOE	Date Approved by DOE
CD0080	Replacement of GSA Leased Vehicles Report	Von Bargaen / Baie	02/04/20	01/27/20	Review	N/A		
CD0123	Monthly Billing Reports for DOE Services - Jan	Eckman/Combs	02/05/20	02/05/20	Information	N/A		
CD0051	Milestone Review and IAMIT Meeting Minutes - October	Wilson / Turner	02/11/20	02/11/20	Information	N/A		
CD0144	Monthly Performance Report - Dec.	Millikin / Benham	02/10/20	02/06/20	Review	None		
CD0038	Summary of Fire and Other Property Damage Experienced	Walton / Kuhman	02/15/20	02/11/20	Review	30 days		
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Dec	Synoground / Caudill	02/28/20	02/24/20	Review	30 days		
CD0051	Milestone Review and IAMIT Meeting Minutes	Wilson / Turner	03/05/20		Information	N/A		
CD0123	Monthly Billing Reports for DOE Services - Feb	Eckman / Combs	03/05/20	03/02/20	Information	N/A		
CD0144	Monthly Performance Report - Jan	Millikin / Benham	03/10/20	03/10/20	Review	None		
CD0036	Hanford Site Prescribed Fire Plan	Walton / Kuhman	03/30/20	03/05/20	Approve	30 days	04/04/20	
CD0037	Hanford Fire Needs Assessment	Walton/Kuhman	03/30/20	01/28/20	Approve	45 days	03/13/20	
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Jan	Synoground / Caudill	03/30/20		Review	30 days		
CD0020	Transmitter Review	Walton / Palmer	03/31/20		Approve	60 days		

**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:

- GF049, due June 1: 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: 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.



## 13.0 SELF-PERFORMED WORK

Table 13-1. Mission Support Contract Socioeconomic Reporting.

Through February 2020

Plan Category	MSA Goal	FY 2020 Actual To-Date	Cumulative %
Small Business	50.0%	77.0%	83.4%
Small Disadvantaged Business	10.0%	21.1%	20.3%
Small Women-Owned Business	6.8%	30.13%	16.5%
HubZone	2.7%	14.9%	7.0%
Small Disadvantaged, Service Disabled	2.0%	11.2%	7.7%
Veteran-Owned Small Business	2.0%	11.6%	8.9%

### Prime Contract Targets:

- At least 40% contracted out beyond MSA, LLC = 35.2% (\$1.620B/\$4.602B)
- Small Business 25% of Total Mission Support Contract (MSC) Value = 29.4% (\$1.351B/\$4.602B)

*Disclaimer: A correction of previously reported large business subcontract costs has been incorporated as of August 2019 per MSA Letter MSA-1902252A R3. However, a dispute currently exists regarding the categorization of certain costs as subcontractor costs versus self-performed costs. MSA maintains the costs are accurate as reported but understands DOE may dispute the categorization of costs. See DOE OIG Draft Report issued May 31, 2019. MSA reserves all rights and remedies related to its subcontractor/self-performance reporting.*