

# MISSION SUPPORT ALLIANCE

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



## Monthly Performance Report November 2019

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

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



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

## TERMS

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

# ACRONYMS LISTING



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

# ACRONYMS LISTING



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



## 1.0 INTRODUCTION

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

### 1.1 KEY ACCOMPLISHMENTS

**Labor Agreement Contract Extension** – The MSA Human Resources team successfully negotiated a one-year contract extension to the existing labor agreement with the Hanford Atomic Metal Trades Council (HAMTC) that includes a 2.5 percent general wage increase (GWI). HAMTC is an umbrella organization and is the sole collective bargaining representative for fourteen union affiliates that represent workers involved in maintenance related work on the Hanford Site. HAMTC ratified the extension and GWI on November 6, 2019. The extended labor agreement remains in effect until November 10, 2020.

**Hanford Emergency Operations Center (EOC) Functional Drills** – MSA Emergency Management Program staff successfully conducted Hanford EOC functional drills on November 13-14, 2019. The drills provided a new and innovative method for DOE and contractor staff that support the Hanford EOC to receive “hands on” training on the use of the Hanford EOC position-specific checklists, EOC processes, and EOC equipment, and to meet annual proficiency requirements.

**Special Response Team Academy Graduation** – Hanford Patrol graduated six Security Police Officers from the seven-week Special Response Team Academy on November 8, 2019.

**DOE-RL Procurement Dashboard** – Following up on requests for additional modifications and enhancements, final changes to the DOE-RL Procurement Dashboard were incorporated, documentation was completed, and the Dashboard was released to Production on November 25, 2019.

**New 400 Area Fire Station** - In November, clearing and grubbing began at the site of Hanford Fire Department’s fire station in the 400 Area. This station, which is anticipated to be completed in the late spring or early summer of 2021, will serve areas

south of the Wye Barricade to include the Volpentest HAMMER Federal Training Center (HAMMER), and the Hanford Patrol Training Academy.

**Historical Meteorological Data Captured** – MSA Meteorological and Climatological Services completed the electronic capture of historical meteorological data that serve as key components of the climatological data set for the Hanford Site. The project, initiated in May 2019, encompassed 1,031 documents and 144,189 scanned pages (57.7 cubic feet). Electronic images were created for weather data logbooks dating back to 1944, sometimes consisting of handwritten entries on paper 75 years old. These electronic documents were cataloged in the Integrated Document Management System (IDMS).

**Water Line Break Repairs** – MSA Water & Sewer Utilities (W&SU) responded to several water line breaks during November. Along with staff from the 2266 Maintenance Shop, W&SU workers completed the repair of a broken raw water line in the 200 East Area, near tank farms. W&SU staff also responded to a raw water line break near the southwest corner of the B Reactor Building on November 20, 2019. The discharge rate was estimated at 500 gallons per minute over a one-hour period, for a total discharge of 30,000 gallons of water. This repair was declared an expedited repair maintenance activity. Then, on November 30, 2019, W&SU personnel responded to reports of a sanitary water line break near the intersection of 4th Street and Baltimore Avenue in the 200 East Area. The discharge rate was less than 150 gallons per minute, and there were no impacts to any Waste Information Data System sites.



*Removal and installation of piping*

**New Conex Containers for Fire Systems Maintenance** – MSA Maintenance Services and Crane & Rigging staff unloaded and placed new temperature-controlled Conex containers for Fire Systems Maintenance at Fire Stations 92 and 93. The new containers will store bunker gear for the Testing and Fuels Firefighter Crews. Workers prepared each site for delivery, after which a 115-ton crane was utilized to lift the box onto a semi-truck for transport to the facility.



*Conex box being prepared for transport*

**Revegetation Efforts** – In November, several sites were selected for revegetation, with focus on the 100N Area. The scope of work included forbs and shrubs supplementation based on work that could not be completed during fiscal years (FY) 2018 and 2019 due to the lack of subcontractor availability. Nurseries delivered approximately 50,000 forb and shrub plugs (small seedlings with a few inches of growth, soil, and a root structure) the first week of November to begin planting immediately. Mechanical ripping for sites that needed complete re-work and seeding (includes watering and mulch) had been underway since the first week of October. Reseeding and revegetation efforts will continue through January 2020.



*Delivered shrub and forb plugs for planting*

**Draft Hanford Site 10-Year Plan** – MSA Site Mission Integration & Analysis (SMI&A) received a request to draft a Hanford Site 10-Year Plan to support a DOE-RL Management request from DOE Headquarters. Comments were incorporated and a copy was provided to DOE-RL. Further changes included updating the draft to be consistent with an example from the Idaho office.

**Reliability Programs Tracking System** – The Reliability Programs Tracking System (RPTS) application was released into production in November. The RPTS will have many users. It will be utilized for MSA's Human Reliability Program (HRP); for



Department of Transportation (DOT) drug and alcohol testing; for the Work Place Substance Abuse Program (WSAP) drug testing; as well as company-based drug test programs for DOE's Hanford contractors. Prior to RPTS's deployment, MSA and DOE managed security clearances and reliability programs using the outdated RL Clearance Management System, which is no longer supported. RPTS will additionally allow MSA to better manage and control current and new reliability programs across multiple contractors as the Hanford Site prepares to shift to 24/7 operations. RPTS benefits DOE and all of the Hanford contracts by providing a secure and efficient way to modernize, integrate, and manage various Hanford Reliability Programs that will provide for a reliable, safer, and drug free work force to carry on the critical DOE clean-up mission at Hanford.

**HAMMER Support to MSA Cybersecurity** – HAMMER staff supported MSA Cybersecurity in revising the data feed provided to monitor users who are delinquent in Hanford General Employee Training (HGET), and then using that data to disable Hanford Local Area Network (HLAN) access. There are approximately 200 HLAN users who take Hanford Site Orientation (HSO) training rather than HGET for Hanford Site access. Those users are now being required to complete a standalone version of the Unclassified Computer Security, which is also available as one of the lessons in HGET. The data feed provided to MSA Cybersecurity was revised to include HGET completions and Unclassified Computer Security completions.

**Software Support to DOE** – During November, MSA provided Fiscal Year rollover support to the DOE-RL Office of the Assistant Manager for Business and Financial Operations (AMB) and made appropriate changes in the Budget Execution and Reporting Tool (BERT). All changes were completed by November 19, 2019. MSA is evaluating a complete update of the BERT to further modernize the code and provide additional enhancements.

Additionally, MSA initiated a study to evaluate using the software application Power BI<sup>1</sup> to establish an automated milestone analysis capability for use by DOE-RL in support of budget formulation activities. The goal is to automatically pull milestone information from the MSA Central Milestone Module (CMM) and compare it to the information in the DOE Integrated Planning, Accountability, and Budgeting System (IPABS) to identify any discrepancies prior to entering the annual budget formulation cycle.

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<sup>1</sup> Power BI is a business analytics service by Microsoft Corporation, Renton, WA.



**Security Software Upgrade Completed** – On November 17, 2019, an upgrade on the Active Directory Federation Services (ADFS) to Windows Server<sup>2</sup> 2019 was completed. The upgrade allowed the servers to comply with an important cyber security mandate for secure web connections. As one of the primary authentication systems for email and timecards, it is important to maintain the ADFS infrastructure and bring it into compliance with all security requirements.

**November Site Tours** – MSA External Affairs personnel organized site tours for more than 70 visitors to Hanford during November. Tour groups comprised the Spent Nuclear Fuel Working Group; Office of Inspector General Senior Management; and the Direct-Feed Low-Activity Waste (DFLAW) Peer Review team. A private tour was also arranged for the Congressional Liaison to the DOE Chief Financial Office. Organizational actions taken included overseeing Hanford Site access for the visitors, procurement of project briefers, development and distribution of the agendas, coordination of transportation, and administration of Personal Protective Equipment (PPE) requirements.

**Breakfast of Champions** – On November 14, 2019, MSA Human Resources hosted the 13<sup>th</sup> Breakfast of Champions recognition award ceremony, which recognized employees for outstanding achievements in leadership, safety, innovation, and for their respective roles serving the MSC. Since inception, 842 employees have been nominated for selection, having demonstrated leadership, outstanding performance, and contributions towards the Hanford mission; 468 employees have received the honor.

**Hanford Live Webinar Support** – MSA External Affairs staff led the planning, and implementing of the recently produced *Hanford Live*, an online conversation about Hanford cleanup with managers from DOE, the U.S. Environmental Protection Agency, and the Washington State Department of Ecology. Planning meetings began four months prior to the November 7, 2019 event, involving public information officers from the participating agencies. In overseeing the timeline, MSA ensured that all staffing, promotion, and materials were in place for the event. Additionally, two dry runs were held in advance of the webinar.

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<sup>2</sup> Windows Server is a brand name for a group of server operating systems developed and released by the Microsoft Corporation, Renton, WA



## 1.2 LOOK AHEAD

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

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

2.0 ANALYSIS OF FUNDS

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

Funds Source PBS	Title	MSA Expected * Funding	Funds ** Received	FYTD Actuals	Remaining Available Funds from Funds Received
ORP-0014	Radiological Liquid Tank Waste Stabilization and Disposition Operations	\$154.8	\$355.0	\$54.6	\$300.4
RL-0020	Safeguards & Security	\$91,005.3	\$27,860.6	\$13,377.6	\$14,483.0
RL-0040	Reliability Projects/HAMMER/ Inventory	\$1,660.5	\$1,708.5	\$55.3	\$1,653.2
RL-0201	Hanford Site-Wide Services	\$111,157.8	\$35,542.7	\$9,712.2	\$25,830.5
SWS	Site-Wide Services	\$229,296.7	\$66,978.5	\$31,502.7	\$35,475.8
<b>Total</b>		<b>\$433,275.1</b>	<b>\$132,445.3</b>	<b>\$54,702.4</b>	<b>\$77,742.9</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 858, received December 16, 2019.

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



## 3.0 SAFETY PERFORMANCE

During the month of November, MSA had no injuries that were classified as either “Recordable” or as Days Away, Restricted or Transferred (DART). Therefore, the fiscal year 2020 Total Recordable Case (TRC) and DART rates are 0.60. The TRC rate is more favorable than the DOE performance measurement baseline of 1.1, and the DART rate is equal to the performance measurement baseline of 0.60. Six First Aid cases were recorded, which is slightly lower than the average for MSA on a given month.

MSA recognizes that official contract extension and/or award notifications continued to be a potential distraction or source of stress to the MSA team. Communications from the President’s Office have encouraged employees to remain focused and continue to be diligent when it comes to the safety of themselves and their colleagues. Additionally, indications and symptoms of seasonal affected disorder has been the discussion topic at various meetings throughout the month.



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

**Objective**

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

**Measure**

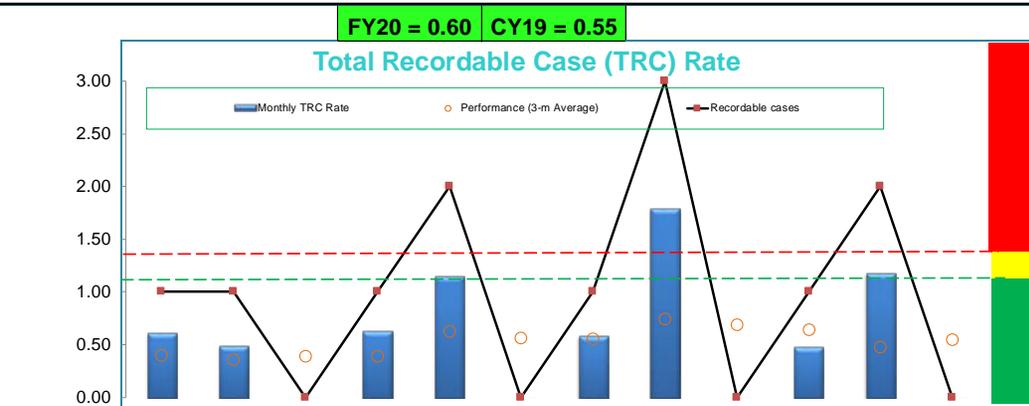
The TRC is measured in accordance with OSHA guidelines for reporting and calculating. The rate is calculated by multiplying the number of Recordable cases by 200,000 and dividing by the total number of work hours.

**Performance Thresholds**

Adverse	> 1.3
Cautionary	1.1 - 1.3
Meets	< 1.1

**Performance Data**

	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19
Monthly Recordable Cases	1	1	0	1	2	0	1	3	0	1	2	0
Monthly TRC Rate	0.60	0.48	0.00	0.62	1.15	0.00	0.58	1.78	0.00	0.47	1.17	0.00
Performance (3-m Average)	0.40	0.36	0.39	0.39	0.63	0.56	0.55	0.74	0.69	0.64	0.48	0.55
Performance (12-m Average)	0.41	0.45	0.45	0.47	0.47	0.42	0.42	0.51	0.51	0.50	0.51	0.55



**Specific Goal to Achieve**

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

**Leading Indicator Description**

TRC is a lagging indicator.

**Performance Indicator Information**

PI Owner:	Lanette Adams
Data Analyst:	Terri Martinez
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003, Sect. 4.0
Date:	12/9/2019

**Analysis**

During the month of November, there were no "Recordable" injuries: FYTD, MSA has experienced 2 OSHA recordable injuries, corresponding to a TRC rate of 0.60.

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

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

**Action**

Injury Prevention Actions:

- Closely monitored all First Aid cases to determine emerging trends and implement awareness activities, as warranted
- Continued to emphasize the importance of timely reporting for all injuries
- Enhanced communications regarding traffic safety in support of implementing Hanford traffic safety initiatives
- Distributed employee messages (Streamline) from the MSA President reminding employees to be extra vigilant in watching out for one's self, colleagues, friends and family during the season of celebrations
- 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) guidelines for wearing the proper PPE for the work to be performed; 2) process for conducting and documenting facility inspections; and, 3) parking lot safety, both on and off the Hanford Site.

**Additional Info**

None



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

**Objective**

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

**Measure**

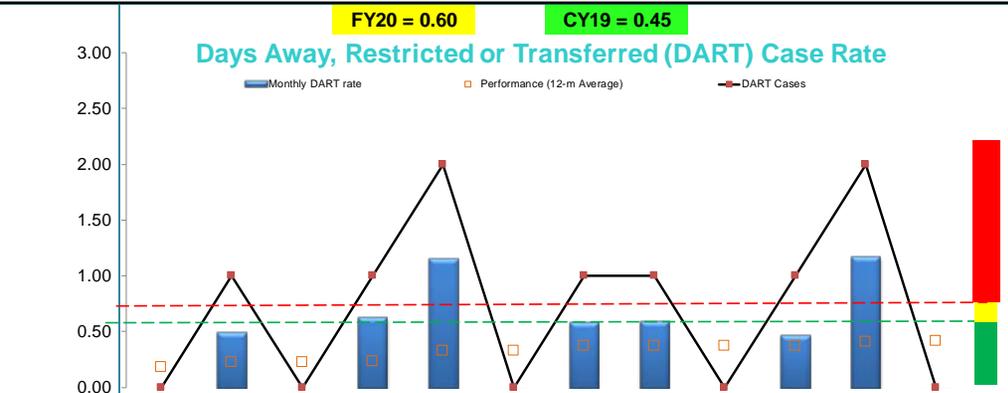
The DART rate is measured in accordance with OSHA guidelines for reporting and calculating. The rate is calculated by multiplying the number of Recordable cases by 200,000 and dividing by the total number of work hours.

**Performance Thresholds**

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

**Performance Data**

	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19
Monthly DART Cases	0	1	0	1	2	0	1	1	0	1	2	0
Monthly DART rate	0.00	0.48	0.00	0.62	1.15	0.00	0.58	0.59	0.00	0.47	1.17	0.00
Performance (3-m Average)	0.20	0.18	0.19	0.39	0.63	0.56	0.55	0.37	0.34	0.32	0.48	0.55
Performance (12-m Average)	0.18	0.22	0.23	0.23	0.33	0.33	0.37	0.37	0.37	0.37	0.41	0.41



**Specific Goal to Achieve**

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

**Lagging Indicator Description**

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

**Performance Indicator Information**

PI Owner:	Lanette Adams
Data Analyst:	Terri Martinez
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003, Section 4.0
Date	12/9/2019

**Analysis**

During the month of November, there were no DART injuries: FYTD, MSA has experienced 2 DART injuries, corresponding to a DART rate of 0.60.

Note: FY2019 DART Cases: 8 (DART rate = 0.37)

- Types of injuries MSA has experienced during FY2020 that were classified as DART:
  - overexertion (1), body motion (1)
- Body parts that have been affected in FY2020:
  - back (1), arm (1)

**Action**

Injury Prevention Actions:

- Closely monitored all First Aid cases to determine emerging trends and implement awareness activities, as warranted
- Continued to emphasize the importance of timely reporting for all injuries
- Enhanced communications regarding traffic safety in support of implementing Hanford traffic safety initiatives
- Distributed employee messages (Streamline) from the MSA President reminding employees to be extra vigilant in watching out for one's self, colleagues, friends and family during the season of celebrations
- 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) guidelines for wearing the proper PPE for the work to be performed; 2) process for conducting and documenting facility inspections; and, 3) parking lot safety, both on and off the Hanford Site.

**Additional Info**

None



Table 3-3. First-Aid Case Rate

FY20 = 5.74      CY19 = 3.83

**Objective**

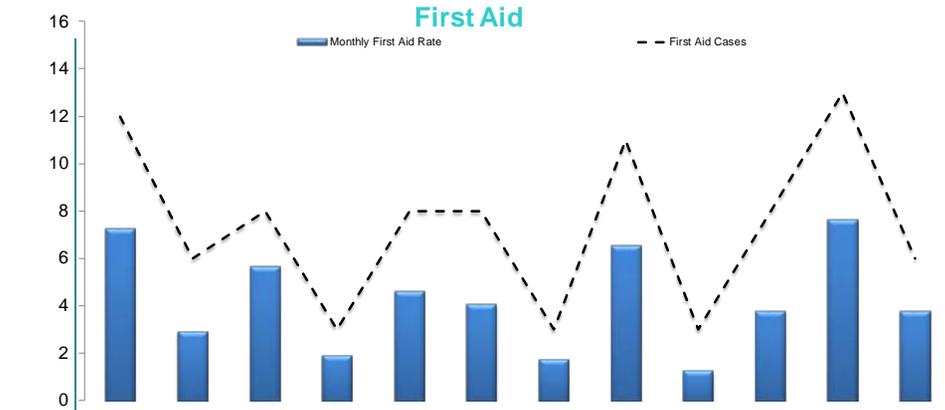
Monitor the number of First Aid cases and rate as a leading indicator to days away, restricted, or transferred (DART) and Total Recordable Case (TRC) rates for MSA and subcontractor employees.

**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**

	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19
First Aid Cases	12	6	8	3	8	8	3	11	3	8	13	6
Monthly First Aid Rate	7.25	2.91	5.63	1.87	4.58	4.04	1.75	6.53	1.23	3.74	7.59	3.76
Performance (3 month Average)	6.00	4.89	5.06	3.34	3.99	3.57	3.49	4.09	2.91	3.52	3.82	4.95
Performance (12 month Average)	4.45	4.20	4.21	4.17	4.26	4.19	4.13	4.12	3.96	4.04	4.19	4.09

**Specific Goal to Achieve**

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

**Leading Indicator Description**

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

**Performance Indicator Information**

PI Owner:	Lanette Adams
Data Analyst:	Terri Martinez
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003 Sect. 4.0
Date	12/9/2019

**Analysis**

During the month of November, MSA had 6 First Aid cases that were caused by the following incidents: overexertion (1); contact - animal, insect, allergen (1); body motion (2); contact foreign body/abrade (1); and, repeat motion/cumulative trauma (1).

In FY 2020, overexertion and body motion have contributed to the majority of First Aid incidents. Other primary categories include the following:

- 21% overexertion, 16% struck against object, 21% body motion, 11% awkward position, 5% slip/trip/fall, 11% contact foreign body, 5% contact animal, insect, allergen, 5% unclassified/unknown, and 5% repeat motion/cum trauma

- 26.32% hand/finger, 36.32% arm/wrist, 15.79% knee, 21.05% back, 10.53% foot/ankle

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

**Actions**

Injury Prevention Actions:

- Closely monitored all First Aid cases to determine emerging trends and implement awareness activities, as warranted
- Continued to emphasize the importance of timely reporting for all injuries
- Enhanced communications regarding traffic safety in support of implementing Hanford traffic safety initiatives
- Distributed employee messages (Streamline) from the MSA President reminding employees to be extra vigilant in watching out for one's self, colleagues, friends and family during the season of celebrations
- 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) guidelines for wearing the proper PPE for the work to be performed; 2) process for conducting and documenting facility inspections; and, 3) parking lot safety, both on and off the Hanford Site.

**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>		<b>2. Contract</b>				<b>3. Program</b>			<b>4. Report Period</b>				
a. Name		a. Name				a. Name			a. From (2019/10/28)				
Mission Support Alliance		Mission Support Contract				Mission Support Contract			b. To (2019/11/17)				
b. Location (Address and Zip Code)		b. Number				b. Phase							
Richland, WA 99352		RL14728				Operations							
c. TYPE		d. Share Ratio				c. EVMS ACCEPTANCE							
CPAF						No X 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		\$4,107,927		\$1,007		\$223,247	\$4,331,174		\$4,258,430		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)		b. TITLE	
										Wilkinson, Robert E		MSC Project Manager	
a. BEST CASE						\$4,108,934				c. SIGNATURE		d. DATE SIGNED	
b. WORST CASE						\$4,236,941						12-30-19	
c. MOST LIKELY						\$4,035,182		4,108,934					
<b>8. PERFORMANCE DATA</b>													
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)			
<b>a. WORK BREAKDOWN STRUCTURE ELEMENT</b>													
3001.01.01 - Safeguards and Security	5,063	5,063	4,198	0	865	627,343	627,343	621,274	0	6,069	629,153	622,984	6,169
3001.01.02 - Fire and Emergency Response	2,544	2,544	3,028	0	(484)	273,393	273,393	274,029	0	(635)	274,502	274,994	(492)
3001.01.03 - Emergency Management	280	280	290	0	(10)	46,086	46,086	45,991	0	96	46,201	46,097	104
3001.01.04 - HAMMER	641	641	489	0	153	77,694	77,694	74,436	0	3,258	77,958	74,692	3,267
3001.01.05 - Emergency Services Management	139	139	110	0	30	16,512	16,512	16,339	0	173	16,580	16,405	175
3001.02.01 - Site-Wide Safety Standards	84	84	96	0	(13)	8,855	8,855	9,821	0	(966)	8,888	9,851	(963)
3001.02.02 - Environmental Integration	226	226	241	0	(15)	57,854	57,854	56,543	0	1,311	57,943	56,634	1,309
3001.02.03 - Public Safety & Resource Protection	759	759	540	0	218	75,677	75,677	74,954	0	723	75,981	75,204	777
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	86	86	101	0	(15)	33,712	33,712	32,941	0	771	33,747	32,975	772
3001.03.02 - Information Systems	533	533	792	0	(259)	122,862	122,862	121,357	0	1,505	123,095	121,565	1,530
3001.03.03 - Infrastructure / Cyber Security	522	522	467	0	56	48,374	48,374	47,618	0	756	48,560	47,790	771
3001.03.04 - Content & Records Management	991	991	429	0	563	71,598	71,598	70,968	0	630	71,741	71,111	630
3001.03.05 - IR/CM Management	410	410	148	0	262	15,392	15,392	15,088	0	304	15,446	15,166	279
3001.03.06 - Information Support Services	108	108	116	0	(8)	15,034	15,034	15,046	0	(12)	15,076	15,089	(12)
3001.04.01 - Roads and Grounds Services	371	371	223	0	147	33,656	33,656	34,534	0	(878)	33,744	34,621	(878)
3001.04.02 - Biological Services	394	394	310	0	85	39,361	39,361	38,957	0	404	39,488	39,112	376
3001.04.03 - Electrical Services	1,053	1,053	1,029	0	24	128,021	128,021	127,969	0	52	128,458	128,411	47
3001.04.04 - Water/Sewer Services	1,306	1,306	1,286	0	20	136,869	136,869	135,471	0	1,398	137,347	135,945	1,402
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	23	23	16	0	7	10,862	10,862	10,802	0	60	10,871	10,812	60



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

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE													DOLLARS IN Thousands			FORM APPROVED OMB No. 0704-0188									
1. Contractor		2. Contract		3. Program			4. Report Period																		
a. Name		a. Name		a. Name			a. From (2019/10/28)																		
Mission Support Alliance		Mission Support Contract		Mission Support Contract																					
b. Location (Address and Zip Code)		b. Number		b. Phase			b. To (2019/11/17)																		
Richland, WA 99352		RL14728		Operations																					
c. TYPE		d. Share Ratio		c. EVMS ACCEPTANCE																					
		CPAF		No X Yes																					
Item (1)	Current Period						Cumulative to Date					At Completion													
	Budgeted Cost		Actual Cost Work Performed (4)	Variance		Budgeted Cost		Actual Cost Work Performed (9)	Variance		Budgeted (12)	Estimated (13)	Variance (14)												
	Work Scheduled (2)	Work Performed (3)		Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)		Schedule (10)	Cost (11)															
a. WORK BREAKDOWN STRUCTURE ELEMENT (Cont'd)																									
3001.04.07 - Fleet Services	0	0	0	0	0	7,322	7,322	7,322	0	(0)	7,322	7,322	(0)												
3001.04.08 - Crane and Rigging	0	0	0	0	0	2,187	2,187	2,187	0	(0)	2,187	2,187	(0)												
3001.04.09 - Railroad Services	6	6	0	0	6	731	731	662	0	69	734	664	70												
3001.04.10 - Technical Services	331	331	468	0	(136)	51,473	51,473	52,351	0	(878)	51,608	52,498	(890)												
3001.04.11 - Energy Management	90	90	105	0	(15)	12,646	12,646	12,217	0	429	12,682	12,255	427												
3001.04.12 - Hanford Historic Buildings Preservation	146	146	188	0	(42)	26,183	26,183	25,366	0	817	26,267	25,426	841												
3001.04.13 - Work Management	189	189	144	0	45	16,328	16,328	17,901	0	(1,573)	16,392	17,957	(1,565)												
3001.04.14 - Land and Facilities Management	481	481	562	0	(81)	50,673	50,673	48,365	0	2,308	50,854	48,570	2,283												
3001.04.15 - Mail & Courier	53	53	148	0	(95)	7,354	7,354	7,395	0	(41)	7,370	7,399	(29)												
3001.04.16 - Property Systems/Acquisitons	463	463	474	0	(11)	63,616	63,616	63,470	0	147	63,803	63,652	151												
3001.04.17 - General Supplies Inventory	57	57	(60)	0	117	2,211	2,211	1,394	0	817	2,234	1,366	868												
3001.04.18 - Maintenance Management Program Implementation	56	56	52	0	4	10,788	10,788	10,763	0	26	10,811	10,785	26												
3001.06.01 - Business Operations	1,337	1,337	545	0	792	62,392	62,392	21,319	0	41,073	62,668	21,562	41,106												
3001.06.02 - Human Resources	279	279	225	0	54	28,199	28,199	26,024	0	2,176	28,294	26,120	2,174												
3001.06.03 - Safety, Health & Quality	1,301	1,301	1,235	0	66	186,753	186,753	184,131	0	2,621	187,211	184,578	2,633												
3001.06.04 - Miscellaneous Support	278	278	331	0	(53)	54,545	54,545	55,134	0	(588)	54,655	55,242	(588)												
3001.06.05 - Presidents Office (G&A nonPMB)	205	205	0	0	204	1,027	1,027	86	0	942	1,085	86	999												
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	190	190	185	0	5	60,856	60,856	59,767	0	1,090	60,935	59,833	1,102												
3001.08.01 - Water System	883	572	536	(311)	36	48,633	45,099	32,209	(3,534)	12,889	48,735	35,615	13,120												
3001.08.02 - Sewer System	0	0	231	0	(231)	17,321	17,058	20,852	(263)	(3,794)	17,321	21,392	(4,071)												
3001.08.03 - Electrical System	1,005	937	767	(68)	169	27,557	26,131	26,745	(1,426)	(614)	27,934	27,942	(8)												
3001.08.04 - Roads and Grounds	0	0	0	0	0	10,015	10,015	9,448	0	567	10,015	9,448	567												
3001.08.05 - Facility System	140	109	140	(31)	(30)	12,984	12,743	13,123	(241)	(380)	13,032	13,146	(114)												
3001.08.06 - Reliability Projects Studies & Estimates	516	516	708	0	(192)	25,772	25,772	27,209	0	(1,437)	25,982	27,467	(1,484)												
3001.08.07 - Reliability Project Spare Parts Inventory	47	47	14	0	32	4,868	4,868	3,687	0	1,181	4,881	3,695	1,185												
3001.08.08 - Network & Telecommunications System	4,159	777	627	(3,382)	150	33,246	32,257	34,790	(989)	(2,533)	33,376	35,708	(2,333)												
3001.08.09 - Capital Equipment Not Related to Construction	0	0	0	0	0	15,110	15,104	13,713	(6)	1,392	15,110	13,713	1,397												
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	125	0	0	(125)	(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)													27,871	23,954	21,533	(3,917)	2,421	2,754,021	2,747,437	2,675,234	(6,584)	72,203	2,762,349	2,688,678	73,671



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

CONTRACT PERFORMANCE REPORT													DOLLARS IN Thousands			FORM APPROVED OMB No. 0704-0188	
FORMAT 1 - WORK BREAKDOWN STRUCTURE																	
1. Contractor		2. Contract			3. Program				4. Report Period								
a. Name Mission Support Alliance		a. Name Mission Support Contract			a. Name Mission Support Contract				a. From (2019/10/28)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations				b. To (2019/11/17)								
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	1,032	1,032	1,021	0	12	150,810	150,810	150,449	0	361	151,238	150,567	671				
3001.02.04 - Radiological Site Services	612	612	693	0	(81)	68,472	68,472	68,432	0	40	68,724	68,502	222				
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	198	198	182	0	16	9,964	9,964	9,784	0	180	10,046	9,804	242				
3001.03.04 - Content & Records Management	59	59	60	0	(1)	3,027	3,027	3,064	0	(37)	3,049	3,070	(21)				
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	1,767	1,767	1,632	0	135	110,447	110,447	111,050	0	(603)	111,075	111,228	(153)				
3001.04.05 - Facility Services	827	827	853	0	(26)	87,284	87,284	86,711	0	573	87,572	86,791	781				
3001.04.06 - Transportation	378	378	376	0	2	54,163	54,163	53,718	0	444	54,318	53,761	557				
3001.04.07 - Fleet Services	1,096	1,096	1,369	0	(273)	151,853	151,853	153,061	0	(1,208)	152,304	153,186	(882)				
3001.04.08 - Crane and Rigging	782	782	797	0	(15)	126,530	126,530	125,959	0	571	126,840	126,045	795				
3001.04.10 - Technical Services	192	192	180	0	13	9,945	9,945	9,699	0	245	10,025	9,721	303				
3001.04.13 - Work Management	45	45	52	0	(7)	4,468	4,468	4,439	0	28	4,486	4,444	42				
3001.04.14 - Land and Facilities Management	735	735	811	0	(76)	75,434	75,434	75,366	0	68	75,685	75,436	249				
3001.04.15 - Mail & Courier	14	14	15	0	(1)	1,771	1,771	1,758	0	12	1,777	1,760	17				
3001.06.01 - Business Operations	740	740	510	0	230	115,466	115,466	114,859	0	607	115,719	114,931	788				
3001.06.02 - Human Resources	269	269	391	0	(123)	32,696	32,696	32,573	0	123	32,801	32,601	200				
3001.06.03 - Safety, Health & Quality	121	121	112	0	9	16,259	16,259	15,269	0	990	16,302	15,280	1,022				
3001.06.04 - Miscellaneous Support	240	240	293	0	(53)	18,883	18,883	19,723	0	(840)	18,981	19,750	(769)				
3001.06.05 - Presidents Office (G&A nonPMB)	233	233	240	0	(8)	28,775	28,775	28,563	0	212	28,868	28,591	276				
3001.06.06 - Strategy	15	15	16	0	(1)	3,135	3,135	3,047	0	88	3,142	3,049	92				
3001.A1.01 - Transfer - CHPRC	5,057	5,057	5,251	0	(194)	726,005	726,005	727,863	0	(1,858)	728,087	729,205	(1,117)				
3001.A1.02 - Transfer - WRPS	3,283	3,283	3,641	0	(357)	345,630	345,630	344,673	0	957	346,982	346,676	306				
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	27	0	16	3,550	3,550	3,650	0	(99)	3,568	3,663	(95)				
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	35	35	47	0	(12)	3,470	3,470	3,589	0	(119)	3,485	3,605	(120)				
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	29	29	22	0	7	1,402	1,402	1,316	0	86	1,414	1,326	88				
3001.A4.01 - Request for Services	460	460	387	0	73	117,833	117,833	118,249	0	(416)	118,022	118,385	(363)				
3001.A4.02 - HAMMER RFSS	88	88	124	0	(35)	36,385	36,385	34,890	0	1,494	36,421	34,924	1,497				
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	31	31	42	0	(11)	11,318	11,318	12,654	0	(1,337)	11,331	12,666	(1,336)				
3001.A5.01 - RL PD	19	19	13	0	6	6,737	6,737	6,578	0	159	6,745	6,586	159				
3001.A5.02 - ORP PD	59	59	42	0	17	8,557	8,557	8,609	0	(53)	8,581	8,629	(48)				



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

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE												DOLLARS IN Thousands			FORM APPROVED OMB No. 0704-0188		
1. Contractor		2. Contract		3. Program				4. Report Period									
a. Name		a. Name		a. Name				a. From (2019/10/28)									
b. Location (Address and Zip Code)		b. Number		b. Phase				b. To (2019/11/17)									
Richland, WA 99352		c. TYPE		c. EVMS ACCEPTANCE													
Item (1)	Current Period						Cumulative to Date					At Completion					
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance		Budgeted (12)	Estimated (13)	Variance (14)				
	Work Scheduled (2)	Work Performed (3)	Work Performed (4)	Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)	Work Performed (9)	Schedule (10)	Cost (11)							
3001.A5.03 - RL Project Funded	547	547	381	0	166	18,566	18,566	17,028	0	1,539	18,757	17,178	1,579				
3001.A5.04 - ORP Project Funded	95	95	90	0	5	8,330	8,330	7,921	0	409	8,375	7,954	421				
3001.A6.01 - Portfolio PMTOs	0	0	0	0	0	1,158	1,158	1,102	0	56	1,158	1,102	56				
3001.A7.01 - G&A Liquidations	(1,810)	(1,810)	(1,902)	0	92	(226,868)	(226,868)	(225,071)	0	(1,797)	(227,546)	(225,273)	(2,273)				
3001.A7.02 - DLA Liquidations	(1,462)	(1,462)	(1,349)	0	(114)	(154,582)	(154,582)	(152,698)	0	(1,885)	(155,130)	(152,856)	(2,273)				
3001.A7.03 - Variable Pools Revenue	(6,084)	(6,084)	(7,793)	0	1,709	(746,260)	(746,260)	(747,776)	0	1,516	(748,604)	(748,467)	(137)				
3001.B1.01 - UBS Assessments for Other Providers	0	0	0	0	0	0	0	0	0	0	0	0	0				
3001.B1.02 - UBS Other MSC - HAMMER M&O	0	0	0	0	0	0	0	0	0	0	0	0	0				
3001.B1.03 - Assessment for Other Provided Services	0	0	0	0	0	1	1	0	0	1	1	0	1				
3001.B1.04 - Assessment for PRC Services to MSC	0	0	0	0	0	1	1	0	0	1	1	0	1				
3001.B1.07 - Request for Services	0	0	0	0	0	0	0	0	0	0	0	0	0				
a2. WORK BREAKDOWN STRUCTURE ELEMENT																	
b2. COST OF MONEY																	
c2. GENERAL AND ADMINISTRATIVE											0		0				
d2. UNDISTRIBUTED BUDGET											10,211	10,211	0				
e2. SUBTOTAL (Non - Performance Measurement Baseline)	9,745	9,745	8,630	0	1,116	1,332,310	1,332,310	1,332,495	0	(185)	1,346,505	1,346,425	81				
f. MANAGEMENT RESERVE											79	79	0				
g. TOTAL	37,616	33,699	30,163	(3,917.0)	3,537	4,086,331	4,079,746	4,007,729	(6,584)	72,017	4,108,934	4,035,182	73,752				
9. RECONCILIATION TO CONTRACT BUDGET BASE																	
a. VARIANCE ADJUSTMENT																	
b. TOTAL CONTRACT VARIANCE																	



5.0 FORMAT 3, DD FORM 2734/3, BASELINE

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

CONTRACT PERFORMANCE REPORT														FORM APPROVED			
FORMAT 3 - BASELINE														OMB No. 0704-0188			
DOLLARS IN Thousands																	
1. Contractor a. Name Mission Support Alliance			2. Contract a. Name Mission Support Contract			3. Program a. Name Mission Support Contract			4. Report Period a. From (2019/10/28)								
b. Location (Address and Zip Code) Richland, WA 99352			b. Number RL14728			b. Phase Operations			b. To (2019/11/17)								
c. TYPE CPAF			d. Share Ratio			c. EVMS ACCEPTANCE No X Yes											
5. CONTRACT DATA																	
a. ORIGINAL NEGOTIATED COST \$2,854,966				b. NEGOTIATED CONTRACT CHANGES \$1,252,961		c. CURRENT NEGOTIATED COST (a+b) \$4,107,927		d. ESTIMATED COST OF UNAUTHORIZED UNPRICED WORK \$1,007		e. CONTRACT BUDGET BASE (C+D) \$4,108,934		f. TOTAL ALLOCATED BUDGET \$4,108,933		g. DIFFERENCE (E - F) \$0			
h. CONTRACT START DATE 2009/05/24				i. CONTRACT DEFINITIZATION DATE 2009/05/24				j. PLANNED COMPLETION DATE 2019/11/25				k. CONTRACT COMPLETION DATE 2019/11/25		l. ESTIMATED COMPLETION DATE 2019/11/25			
6. PERFORMANCE DATA																	
ITEM (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)													UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)
			Six Month Forecast By Month						Remaining Forecast By Month								
			DEC FY20 (4)	JAN FY20 (5)	FEB FY20 (6)	MAR FY20 (7)	APR FY20 (8)	MAY FY20 (9)	JUN FY20 (10)	AUG FY20 (11)	SEP FY20 (12)	OCT FY21 (13)	NOV FY21 (14)				
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	2,726,151	27,871	562	0	0	0	0	0	0	0	0	0	0	0	0	0	2,754,584
b. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	27,870	(27,871)	7,765	0	0	0	0	0	0	0	0	0	0	0	0	0	7,765
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	2,754,021		8,328	0	0	0	0	0	0	0	0	0	0	0	0	0	2,762,349



Table 5-1, cont. Format 3, DD Form 2734/3, 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 (2019/10/28)										
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728		b. Phase Operations			b. To (2019/11/17)										
c. TYPE CPAF		d. Share Ratio		c. EVMS ACCEPTANCE No X Yes													
<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)														
			Six Month Forecast By Month						Remaining Forecast By Month							UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)
			DEC FY20 (4)	JAN FY20 (5)	FEB FY20 (6)	MAR FY20 (7)	APR FY20 (8)	MAY FY20 (9)	JUN FY20 (10)	AUG FY20 (11)	SEP FY20 (12)	OCT FY21 (13)	NOV FY21 (14)				
a2. NON - PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	1,322,564	101	21	0	0	0	0	0	0	0	0	0	0	0	346	1,323,032	
b2. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	9,745	(101)	3,964	0	0	0	0	0	0	0	0	0	0	0	9,865	23,474	
c2. NON - PERFORMANCE MEASUREMENT BASELINE (End of Period)	1,332,310		3,985	0		0	0	0	0		0	0	0	0	10,211	1,346,505	
7. MANAGEMENT RESERVE																79	
8. TOTAL	4,086,331	0	12,312	0	0	0	0	0	0	0	0	0	0	0	10,211	4,108,933	



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 (2019/10/28)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/11/17)
	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** – Favorable CM CV is primarily due to attrition and low realization impacting Labor; time phasing of cost for Patrol Operations and Technical Security Materials and Subcontracts; and unrealized severance.

**3001.01.02 Fire and Emergency Response** – The unfavorable CM CV is primarily due to overruns of materials and subcontracts, for materials purchased and training completed earlier than planned, higher than planned costs for the purchase of fleet parts/fleet maintenance. In addition, MSA not receiving planned revenue from Energy North West/Laser Interferometer Gravitational Wave Observatory (LIGO) or Emergency Fire and Medical Services because Request for Service agreements have not been executed.

**3001.03.02 Information Systems** – Unfavorable CM CV is primarily due to the payments of a quarterly Oracle license maintenance agreement, and a Crystal Enterprise license maintenance agreement earlier than was planned in the budget.

**3001.03.04 Content & Records Management** – Favorable CM CV is primarily due to the award and payment of two maintenance carryover contracts for OpenText licenses budgeted for November but paid in October.

**3001.03.05 – IR/CM Management** – Favorable CM CV is primarily due to an underrun in the planned contract for the Fiber Installation Project. The vendor is in the pre-mobilization submittal process, and work will commence in the coming months.



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 (2019/10/28)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/11/17)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

**3001.06.01 Business Operations** – A favorable CM CV resulted because of planning the SWS Severance budget in November based on the previous 11/25/2019 contract end date and not incurring any costs. MSA plans to implement a baseline change request (BCR), moving the budget to May based on the contract modification received in December extending the MSA period of performance.

**3001.A1 – 3001.B1 Non-PMB** – The unfavorable CM CV is primarily due to a point adjustment implementing Contract Mod 850 for the MSA Contract extension through November 25, 2019.

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

**Impacts – Current Month Cost Variance:**

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

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

**Current Month Schedule Variance:**

**3001.08.01 Water System** – Unfavorable CM SV is because of Project L-895 “Fire Protection Infrastructure for PRW”. The unfavorable CM SV is due to delays in CM construction activities including procurement of vibration monitors and flowmeters, installation of switchgear and other major electrical equipment and Programmable Logic Controllers (PLC) procurement and pre-programming.



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

1. Contractor	2. Contract		3. Program	4. Report Period
a. Name Mission Support Alliance	a. Name Mission Support Contract		a. Name Mission Support Contract	a. From (2019/10/28)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/11/17)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

**3001.08.03 Electrical System** – Unfavorable CM SV on L-801 “Upgrade SCADA” due to the Architect/Engineering being behind on the submittal of 90% Design due to a delay in the procurement of the Change Order that delayed the 100% design submittal and trip to Atlanta for the factory acceptance test.

Unfavorable CM SV on L-612 “230kV Trans Sys Recon & Sustainability” due to a delay in signing off on the design contract. A partial offset to this CM SV is because of L-789 “Prioritize T&D Sys Wood PP Test & Replace”. On L-789, the contractor caught up on the first two corridors of power poles that were behind schedule. Design revisions have resulted in the construction contractor performing work in a different sequence than was planned in order to prevent downtime and delays.

**3001.08.08 Network & Telecommunications Systems** – Unfavorable CM SV is due to the performance taken last month for early receipt of the Local Area Network (ES-LAN) radios on “Project L-919 “Emergency Radio Upgrade”.

**3001.08.12 Reliability Projects Out-Year Planning** – Unfavorable CM SV is due to an out-year planning package budget planned in November. The MSA Contract extension happened after November month-end, so no scheduling occurred past November.

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

**Corrective Action – Current Month Schedule Variance:** None.



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

1. Contractor	2. Contract	3. Program	4. Report Period
a. Name Mission Support Alliance	a. Name Mission Support Contract	a. Name Mission Support Contract	a. From (2019/10/28)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/11/17)
	c. Type CPAF	d. Share Ratio NO X YES	
5. Evaluation			

**Cumulative Cost Variance:**

**3001.01.01 Safeguard and Security** - The favorable CTD CV is due to FY19 year-end variance distributions; unrealized severance; labor underruns resulting from attrition and R-Time; and material and subcontract underruns for acquisitions that were deferred until FY20 or realized at lower than planned cost.

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

**3001.08.01 Water System** - Favorable CTD CV is because:

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

Completed projects with CTD CV include the following:

- Project L-419 "Line Renovation/Replacement from 2901U to 200E" had a fixed price contract that was awarded/completed at a lower cost than budgeted.
- Project L-840 "24in Line Replacement from 2901Y to 200W" had savings on construction subcontracts due to the contractor's expertise in this type of construction and encountering significantly less difficult site conditions.
- Projects L-399 "T-Plant Potable & Raw Water Line Rest", L-525 "24-inch Line Replacement from 2901Y to 200W", and L-311 "Refurbish 200W Raw Water Reservoir" had savings on materials, and fixed price construction contracts.



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 (2019/10/28)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/11/17)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

**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 training on overtime. 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 the following:

- Project L-895 “Fire Protection Infrastructure for PRW” has an unfavorable CTD SV due to construction activity delays including erection of the 282WF building, anchoring and wiring of several major components, and Programmable Logic Controllers (PLC) procurement and pre-programming.
- Project L-826 “181B Vertical Turbine Pumps” has an unfavorable CTD SV due to a delay in awarding the Architectural/Engineering design contract. The Project identified an inefficient hydraulic pump design during the hydraulic analysis review that delayed submittal of the 30% design.
- Project L-849 “Replace 200W 1.1M-gal PW Tank” has an unfavorable CTD SV 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.

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



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 (2019/10/28)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/11/17)
	c. Type CPAF	d. Share Ratio NO X YES	

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

- Project H-006 “10 CFR 851” encountered breaker maintenance outage challenges with scheduling the actual outage in the field.
- Project L-612 “230kV Trans Sys Recon & Sustainability” encountered delays in the design contract signatures, deferring project start by a month.
- Project L-801 “Upgrade SCADA” the Architect/Engineering being behind on the submittal of 90% Design due to delay in the procurement of the Change Order, which has delayed the 100% design submittal and trip to Atlanta for the factory acceptance test.

**3001.08.05 Facility System** – Unfavorable CTD SV on

- Project L-888 “400 Area Fire Station” was due to the Construction subcontract awarded late. The late subcontract award delayed subsequent November work. Project L-906 “HFD Station 92 Expansion” was due to late issuance of the design services request for proposal, and weather delays throughout February and into March affecting the bid/evaluate/award process.

**3001.08.08 Network Telecommunication System** – Unfavorable CTD SV on

- L-905 “FARS & RFAFS Replacement & Upgrade” due to delayed approval of both the Facility Management Plan and final review of the Statement of Work resulted in a two-month schedule slip.
- Project L-919 “Emergency Radio Upgrade” due to tasks associated with the design of the core of the Emergency Radio system, configuration of the radios, and installation of ES-LAN being behind schedule.

**3001.08.12 Reliability Projects Out-Year Planning** – due to an out-year planning package budget planned in November. Since the MSA contract extension happened after November month-end, scheduling the budget past November could not occur.



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 (2019/10/28)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/11/17)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

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

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

**Variance at Complete:**

The current favorable VAC in the Performance Measurement Baseline (PMB) is primarily due to the Affiliate & Overtime credits, and underruns during FY 2019.

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

**Corrective Action - At Complete Variance:**

MSA does not anticipate resolution of the affiliate credit on IT scope prior to the end of the MSA contract. MSA submitted the FY 2019 Cost Variance Credit Proposal to DOE-RL on November 11, 2019.

**Negotiated Contract Changes:**

The Negotiated Contract Cost for November 2019 had an increase of \$31.2M from \$4,076.7M to \$4,107.9M. The increase was associated with the Contract Mods 850 definitizing the Increase in Contract Value for MSA Contract Extension through November 25, 2019.

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

The Authorized Unpriced Work (AUW) for the reporting period remained the same at \$1.0M. The AUW is for the Project L-612 work scope from the August 2019 not to exceed (NTE).



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 (2019/10/28)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/11/17)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
<b>5. Evaluation</b>				
<p><b><u>Changes in Estimated Price:</u></b></p> <p>The Estimated Price for November 2019 increased \$11.2M from \$4,247.2M to \$4,258.4M. The Estimated Price includes the Most Likely Management Estimate at Completion (MEAC) of \$4,035.2M and fee of \$223.2M.</p> <p><b><u>Differences between Current Month and Prior Month EAC's Format 1, Column (13) (e):</u></b></p> <p>During this reporting period, the Estimate at Completion (EAC) increased \$11.2M from \$4,024.0M to \$4,035.2M. The increase was primarily in the non-PMB EAC. After completing the extension of the baseline through November 25, 2019, MSA planned the remaining budget from Contract Mod 850 into Undistributed Budget. This remaining budget will be detail planned into the baseline as part of the extension through May 25, 2020 announced in December.</p> <p><b><u>Changes in Undistributed Budget:</u></b></p> <p>The Undistributed Budget for this reporting period increased by \$9.9M from \$0.3M to \$10.2M. Contract Mod 850 provided MSA with an additional \$31,2M for the extension from May 26, 2019 to November 25, 2019. The increase in Undistributed Budget reflects the remaining budget after MSA extended the baseline through November 25, 2019.</p> <p>The following BCRs changed the UB:</p> <ul style="list-style-type: none"> <li>VMSA-20-003 Rev 1 –Mod 850 – Increase in Contract Value for MSA Contract Extension through November 25, 2019</li> </ul>				



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 (2019/10/28)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/11/17)
	c. Type CPAF	d. Share Ratio NO X YES	
5. Evaluation			

**Changes in Management Reserve:**

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

**Differences in the Performance Measurement Baseline:**

This reporting period the Performance Measurement Baseline increased \$7.7M from \$2,754.6M to \$2,762.3M.

The primary reason for the increase was due to detail planning the baseline through November 25, 2019.

The following BCRs changed the PMB:

- VMSA-20-003 Rev 1 –Mod 850 – Increase in Contract Value for MSA Contract Extension through November 25, 2019

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

This reporting period the non-PMB increased \$23.5M from \$1,323.0M to \$1,346.5M.

The primary reason for the decrease was due to detail planning the non-PMB from October 28, 2019 through November 25, 2019.

The following BCR changed the non-PMB:

- VMSA-20-003 Rev 1 –Mod 850 – Increase in Contract Value for MSA Contract Extension through November 25, 2019

**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 – November 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
<b>Direct Labor Adder</b>					
Software Engineer Services DLA (3001.03.02.03)	\$438.6	\$438.6	\$374.0	\$64.6	(\$416.9)
Content & Records Management DLA (3001.03.01.04)	\$126.3	\$126.3	\$132.4	(\$6.1)	(\$118.9)
Transportation DLA (3001.04.06.02)	\$837.5	\$837.5	\$781.5	\$56.0	(\$925.1)
Maintenance DLA (3001.04.05.02)	\$1,563.9	\$1,563.9	\$1,498.9	\$65.0	(\$1,469.5)
Janitorial Services DLA (3001.04.05.03)	\$208.1	\$208.1	\$219.5	(\$11.4)	(\$175.1)
<b>Total Direct Labor Adder</b>	<b>\$3,174.4</b>	<b>\$3,174.4</b>	<b>\$3,006.3</b>	<b>\$168.1</b>	<b>(\$3,105.5)</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 – November 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
<b>Usage Based Services</b>					
Training (3001.01.04.02)	\$2,278.4	\$2,278.4	\$2,288.8	(\$10.4)	(\$2,396.7)
HRIP (3001.02.04.02)	\$613.9	\$613.9	\$680.7	(\$66.8)	(\$692.6)
Dosimetry (3001.02.04.03)	\$742.3	\$742.3	\$860.1	(\$117.8)	(\$875.0)
Information Technology Services (3001.03.07.01)	\$4,972.7	\$4,972.7	\$4,993.1	(\$20.4)	(\$5,433.7)
Work Management (3001.04.13.01)	\$100.0	\$100.0	\$115.4	(\$15.4)	(\$88.3)
Courier Services (3001.04.15.02)	\$31.5	\$31.5	\$31.9	(\$0.4)	(\$31.4)
Occupancy (3001.04.14.06)	\$1,542.2	\$1,542.2	\$1,570.5	(\$28.3)	(\$1,721.0)
Crane & Rigging (3001.04.08.02)	\$1,707.9	\$1,707.9	\$1,666.0	\$41.9	(\$1,986.2)
Fleet (3001.04.07.02)	\$2,429.7	\$2,429.7	\$2,782.3	(\$352.6)	(\$2,550.8)
<b>Total UBS</b>	<b>\$14,418.6</b>	<b>\$14,418.6</b>	<b>\$14,988.8</b>	<b>(\$570.2)</b>	<b>(\$15,775.7)</b>
<b>Total DLA / UBS</b>	<b>\$17,593.0</b>	<b>\$17,593.0</b>	<b>\$17,995.1</b>	<b>(\$402.1)</b>	<b>(\$18,881.2)</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 minimal unfavorable cost variance is driven primarily by the Fleet UBS account. Fleet Parts material costs, procured for planned offsetting revenue transactions in future months, have exceeded plan level.



### 8.0 RELIABILITY PROJECT STATUS

Activity in November 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	931.9	910.5	1,044.7	(21.4)	(134.3)	0.98	0.87	933.2	1,108.7	(175.5)	97.6%	11/21/19	2/03/20	R	Y	
L-849, Replace 200E 1.1M-gal PW Tank	767.3	498.6	645.1	(268.7)	(146.5)	0.65	0.77	767.3	803.6	(36.3)	65.0%	11/05/18	4/06/20	R	G	
L-894, Raw Water Cross Connection Isolation 200E/W	8,012.4	7,802.1	6,505.0	(210.3)	1,297.2	0.97	1.20	8,012.4	6,704.1	1,308.3	97.4%	5/06/19	2/22/21	R	G	
L-895, Fire Protection Infrastructure for Plateau Raw Water	7,496.0	5,221.3	5,797.7	(2,274.7)	(576.4)	0.70	0.90	7,573.7	7,720.8	(147.1)	68.9%	11/25/19	10/13/20	R	Y	
L-357, Replace 12" Potable Water Line to 222-S Lab	1,654.4	1,627.0	1,666.2	(27.4)	(39.2)	0.98	0.98	1,654.4	1,689.4	(35.0)	98.3%	7/15/19	2/05/20	R	G	
L-781, 181D Vertical Turbine Pumps	605.7	361.7	304.2	(244.0)	57.5	0.60	1.19	605.7	590.7	15.0	59.7%	5/23/19	5/26/20	R	G	
L-897, Central Plateau Water Treatment Facility	2,465.1	2,320.6	2,101.9	(144.5)	218.8	0.94	1.10	2,484.8	2,533.5	(48.7)	93.4%	11/25/19	2/20/20	R	G	
L-826, 181B Vertical Turbine Pumps	605.7	302.7	292.6	(303.0)	10.0	0.50	1.03	605.7	560.8	44.9	50.0%	5/23/19	5/26/20	R	G	
L-839, 12" Potable Water Loop Line to WTP	108.1	68.5	58.1	(39.6)	10.4	0.63	1.18	112.0	109.7	2.3	61.2%	11/25/19	12/31/19	Y	G	
L-853, 200E Sewer Flow Equalization Facility	6,054.1	6,008.1	6,436.9	(46.0)	(428.8)	0.99	0.93	6,054.2	6,690.4	(636.2)	99.2%	1/28/19	4/22/20	R	R	
L-854, 200E Sewer Consolidations	5,960.6	5,743.2	5,914.8	(217.4)	(171.6)	0.96	0.97	5,960.7	6,201.2	(240.5)	96.4%	4/16/19	4/20/20	R	Y	

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-789, Prioritize T&D Sys Wood PP Test & Replace	5,196.1	5,281.5	5,562.7	85.4	(281.2)	1.02	0.95	5,396.0	5,692.4	(296.5)	97.9%	11/25/19	12/05/19	Y	Y
L-801, Upgrade SCADA	1,102.7	866.5	880.0	(236.2)	(13.5)	0.79	0.98	1,131.0	1,134.7	(3.8)	76.6%	11/25/19	2/13/20	R	G
L-791, RFL Transfer Trip Upgrades	943.6	929.4	734.4	(14.2)	195.0	0.98	1.27	943.6	769.2	174.4	98.5%	5/23/19	12/26/19	R	G
L-720, Outdoor Lighting Reconfiguration and Repl	203.0	183.6	257.7	(19.4)	(74.1)	0.90	0.71	203.0	277.2	(74.2)	90.4%	5/29/19	3/11/20	R	G
H-006, 10 CFR 851	2,540.2	1,809.3	1,882.5	(730.9)	(73.1)	0.71	0.96	2,556.2	2,330.5	225.6	70.8%	11/25/19	3/19/20	R	G
L-612, 230kV Trans Sys Recon & Sustainability	874.5	363.6	185.7	(510.9)	177.9	0.42	1.96	1,007.3	496.4	510.9	36.1%	11/25/19	1/15/20	Y	G
L-888, 400 Area Fire Station	1,495.1	1,363.8	1,348.5	(131.3)	15.2	0.91	1.01	1,542.5	1,371.4	171.0	88.4%	11/25/19	4/09/20	R	G
L-905, FARS & RFARS Replacement & Upgrade	625.2	158.9	176.0	(466.3)	(17.1)	0.25	0.90	641.9	630.6	11.3	24.8%	11/25/19	4/21/20	R	G
L-921, Telecom Hut at Met Tower	124.7	28.3	71.3	(96.5)	(43.0)	0.23	0.40	128.4	151.3	(22.9)	22.0%	11/25/19	3/10/20	R	G
L-919, Emergency Radio Upgrade	4,229.1	3,806.2	4,041.3	(422.9)	(235.0)	0.90	0.94	4,232.8	4,374.2	(141.4)	89.9%	11/25/19	4/02/20	R	Y
H-001, BMS Upgrade	423.1	419.5	383.0	(3.7)	36.5	0.99	1.10	434.6	399.8	34.8	96.5%	11/25/19	2/05/20	R	G
<b>Total</b>	<b>52,418.6</b>	<b>46,074.7</b>	<b>46,290.3</b>	<b>(6,344.0)</b>	<b>(215.6)</b>	<b>0.88</b>	<b>1.00</b>	<b>52,981.1</b>	<b>52,340.6</b>	<b>640.5</b>	<b>87.0%</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: +/- \$200K):

- 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-894, *Raw Water Cross Connection Isolation 200E/W*: Unfavorable CTD SV is due to inclement weather delays, downtime to ensure thorough understanding of site conditions at the 283W Filter Plant, and placing the project on hold during preparation of a Design Change Notice and Facility Management Plan.
- L-895, *Fire Protection Infrastructure for Plateau Water*: Unfavorable CTD SV is due to construction activity delays including erection of the 282WF building, anchoring and wiring of several major components, and Programmable Logic Controllers (PLC) procurement and pre-programming.
- L-781, *181D Vertical Turbine Pumps*: Unfavorable CTD SV is because of a delay in developing a system hydraulics model and alternative inputs to provide an efficient pumping system design and reduce the sizes and quantity of pumps required to provide the basis for the 30% Design.
- 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-854, *200E Sewer Consolidations*: Unfavorable CTD SV is due to adjusting the pipe installation for Phases 5 and 6 to accommodate the operation schedule of other Hanford contractors.
- L-801, *Upgrade SCADA*: Unfavorable CTD SV is due to the Architect/Engineering being behind on the submittal of 90% Design because of delays in the procurement of the Change Order, delaying the 100% design submittal and trip to Atlanta for the factory acceptance test.
- H-006, *10CFR 851*: Unfavorable CTD SV is because of encountering breaker maintenance outage challenges with scheduling the actual outage in the field.



- L-612, *230kV Trans Sys Recon & Sustainability*: Unfavorable CTD SV is because of encountering delays in the design contract signatures that deferred project start by a month.
- L-888, *400 Area Fire Station*: Unfavorable CTD SV is due to the Construction subcontract awarded late. The late subcontract award delayed subsequent November work.
- 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.
- L-919, *Emergency Radio Upgrade*: Unfavorable CTD SV is due to tasks associated with the design of the core of the Emergency Radio system, configuration of the radios, and installation of ES-LAN being behind schedule.

#### **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 (~\$180K), conceptual design utilizing less resources than originally planned (~\$110K), the Definitive Design cost underrun (~\$205K), and the construction contract being awarded for less than the planned value (~\$820K).
- 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.

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

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

Table 8 -2. Reliability Projects Schedule

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	21
H-001	H-001, BMS Upgrade	133	53	96.5%	20-May-19	25-Nov-19	20-May-19 A	05-Feb-20					
H-006	H-006, 10 CFR 851	292	83	70.8%	01-Oct-18	25-Nov-19	01-Oct-18 A	19-Mar-20					
L-357	L-357, Replace 12" Potable Water Line to 222-S Lab	512	53	98.3%	03-Jul-17	15-Jul-19	29-Jun-17 A	05-Feb-20					
L-612	L-612, 230kV Trans Sys Recon & Sustainability	41	38	36.1%	30-Sep-19	25-Nov-19	01-Oct-18 A	15-Jan-20					
L-720	L-720, Outdoor Lighting Reconfiguration and Repl	147	77	90.4%	15-Oct-18	29-May-19	01-Oct-18 A	11-Mar-20					
L-781	L-781, 181D Vertical Turbine Pumps	163	130	59.7%	01-Oct-18	23-May-19	01-Oct-18 A	26-May-20					
L-789	L-789, Prioritized T&D System Wood Pole Upgrades	398	12	97.9%	01-May-18	25-Nov-19	03-May-18 A	05-Dec-19					
L-791	L-791, RFL Transfer Trip Upgrades	265	25	98.5%	07-May-18	23-May-19	07-May-18 A	26-Dec-19					
L-801	L-801, Upgrade SCADA	76	59	76.6%	04-Sep-18	25-Nov-19	05-Sep-18 A	13-Feb-20					
L-826	L-826, 181B Vertical Turbine Pumps	163	130	50%	01-Oct-18	23-May-19	01-Oct-18 A	26-May-20					
L-839	L-839, 12" Potable Water Loop Line to WTP	109	28	61.2%	24-Jun-19	25-Nov-19	24-Jun-19 A	31-Dec-19					
L-849	L-849, Replace 200E 1.1M-gal PW Tank	216	95	65%	02-Jan-18	05-Nov-18	02-Jan-18 A	06-Apr-20					
L-850	L-850, Replace 200W 1.1M-gal PW Tank	480	51	97.6%	02-Jan-18	21-Nov-19	02-Jan-18 A	03-Feb-20					
L-853	L-853, 200E Sewer Flow Equalization Facility	867	107	99.2%	17-Aug-15	28-Jan-19	17-Aug-15 A	22-Apr-20					
L-854	L-854, 200E Sewer Consolidations	922	105	96.4%	17-Aug-15	16-Apr-19	17-Aug-15 A	20-Apr-20					

■ Remaining Work  
■ Baseline

**MSC - Reliability Projects**  
**Summary Schedule**  
**Data Date: 17-Nov-19**



Table 8 -2. Reliability Projects Schedule Cont.

RPSUM CU - Summary RP Schedule for Melodee - Current Layout: MSA - Summ RP Sched - Melodee - CU				Mission Support Alliance					Page 2 of 2				
Activity ID	Activity Name	OD	RD	% Comp	Baseline Start	Baseline Finish	Forecast Start	Forecast Finish	2017	2018	2019	2020	21
L-888	L-888, 400 Area Fire Station	399	98	88.4%	30-Apr-18	25-Nov-19	30-Apr-18 A	09-Apr-20					
L-894	L-894, Raw Water Cross Connection Isolation 200EW	527	316	97.4%	04-Apr-17	06-May-19	30-Mar-17 A	22-Feb-21					
L-895	L-895, Fire Protection Infrastructure for Plateau Raw Water	605	228	68.9%	05-Jul-17	25-Nov-19	05-Jul-17 A	13-Oct-20					
L-897	L-897, Central Plateau Water Treatment Facility	503	63	93.4%	29-Nov-17	25-Nov-19	29-Nov-17 A	20-Feb-20					
L-905	L-905, FARS & RFARS Replacement & Upgrade	331	106	24.8%	06-Aug-18	25-Nov-19	06-Aug-18 A	21-Apr-20					
L-919	L-919, Emergency Radio Upgrade	90	93	89.9%	22-Jul-19	25-Nov-19	22-Jul-19 A	02-Apr-20					
L-921	L-921, Telecom Hut at Met Tower	178	76	22%	18-Mar-19	25-Nov-19	18-Mar-19 A	10-Mar-20					

 Remaining Work  
 Baseline

**MSC - Reliability Projects**  
**Summary Schedule**  
**Data Date: 17-Nov-19**





## 9.0 BASELINE CHANGE REQUEST LOG (BCR)

### Baseline Change Request Log for November 2019.

Four Baseline Change Requests (BCRs) were processed in November.

One BCR Authorized by a Contract Modification or RL Direction:

- VMSA-20-003 Rev 1 –Mod 850 – Increase in Contract Value for MSA Contract Extension through November 25, 2019

Three BCRs were Administrative in Nature:

- VMSA-20-004 Rev 1 – Administrative BCR – Create Lower Level Task Order (LLTO) WBSs for Cost Collection Established in the Month of November
- VRFS-20-001 – Administrative BCR – Mod 835 – HPMC IT Transition WBS Dictionary
- VSWS-20-001 – Create a Level 5 WBS and Transfer HAMTC Safety Reps Work scope and Budget from 3001.06.03.04.03 to 3001.06.03.09.02

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>Oct 2019</b>	1,230,506		1,230,506	1,230,506	55,125		1,524,078		2,754,583	2,754,583
VMSA-20-003 Rev 1						17,630		17,630		17,630	2,772,214
VMSA-20-004 Rev 1						0		0		0	2,772,214
VSWs-20-001						0		0		0	2,772,214
<b>Revised PMB Total</b>	<b>Nov 2019</b>	1,230,506		1,230,506	1,230,506	72,756		1,541,708		2,772,214	
<b>Prior Non-PMB Total</b>	<b>Oct 2019</b>	604,007		604,007		11,863		719,025		1,323,032	1,323,032
VMSA-20-003 Rev 1						13,609		13,609		13,609	1,336,640
VMSA-20-004 Rev 1						0		0		0	1,336,640
VRFS-20-001						0		0		0	1,336,640
<b>Revised Non-PMB Total</b>	<b>Nov 2019</b>	604,007		604,007		25,472		732,634		1,336,640	
<b>Total Contract Performance Baseline</b>	<b>Nov 2019</b>	1,834,513		1,834,513	1,834,513	98,228		2,274,342		4,108,854	
<b>Management Reserve</b>	<b>Oct 2019</b>		0	0			79		79	79	79
<b>Revised Management Reserve</b>	<b>Nov 2019</b>		0	0			79		79	79	
<b>Total Contract Budget Base</b>	<b>Nov 2019</b>			1,834,513				2,274,421		4,108,933	
<b>Prior Fee Total</b>	<b>Oct 2019</b>	109,961		109,961		3,712		113,286		223,247	223,247
<b>Revised Fee Total</b>	<b>Nov 2019</b>	109,961		109,961		3,712		113,286		223,247	
<b>Change Log Total</b>	<b>Nov 2019</b>			1,944,473				2,387,707		4,332,180	



## 10.0 RISK MANAGEMENT

November 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), Public Works (PW), and Training & Conduct of Ops (T&CO) organizations. Revisions to the associated risk registers were captured as appropriate.
- The Risk Management Board materials were reviewed and approved by their respective Vice Presidents. Senior Management approved the following updates:
  - In total, twelve Mission Risks were closed:
    - One related to Environmental, Safety, Health & Quality.
    - Three related to Public Works.
    - Two related to Information Management.
    - Two related to Training & Conduct of Ops.
    - Four related to Emergency Services.
  - In total, seventeen Mission Risks were re-characterized.
- 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:
    - One new Project Risk was opened for Project L-801, *Upgrade SCADA*.
  - Twenty-four Project Risks were significantly re-characterized:
    - One for Project L-801, *Upgrade SCADA*.
    - Twelve for Project L-895, *Fire Protection Infrastructure for Plateau Raw Water*.



- Two Project Risks for Project L-612, *230kV Transmission System Reconditioning and Sustainability Repairs (DFLAW High Priority)*.
- Nine Project Risks for Project L-789, *Distribution System Refurbishments (DFLAW Priority)*.
- 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:
  - Weekly Enterprise Risk and Opportunity Management System (EROMS) meetings were held with software engineers and Risks representatives from DOE and the other Hanford contractors to establish tasks due within the upcoming week.
    - Version 3.5 testing underway. Completion scheduled for January.
  - Initiated planning to support lifecycle planning as outlined in the CBAG.



## 11.0 DASHBOARD SUMMARY

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

		November 2019 Fiscal Year 2020 PEMP Mod 858	
		Deliverables	YTD Nov
<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	Green
	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	Yellow
	l	Fire Systems - Priority 3 Emergency Impairments	Green
	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

= N/A = Not Applicable (Updated quarterly)

= Complete

= In jeopardy

1.1.k Yellow for November, Green overall. Yellow for November due to an abnormal amount of Emergency Impairments (EIs) priority was allocated to correcting EIs. Fire System Maintenance management will continue to meet with CHPRC and WRPS management weekly to ensure awareness of open items and actions needed to resolve these issues.



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

November 2019 Fiscal Year 2020 PEMP Mod 858			Deliverables		YTD	Nov
<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				
		Quarterly System Health Report by Engineering submitted one calendar month after each quarter				N/A
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

1.2. Backlog of Corrective Maintenance -- Red for November, Green overall. Corrective work maintenance packages are completed on an operational priority basis. November corrective maintenance month end measurements are on time. Open work packages decreased by five in the month of November. Of the 24 open sewer corrective maintenance packages, 11 are over 300 days old and have an average age of 634 days. The remaining 13 work packages average age is 102 days old.

## 12.0 CONTRACT DELIVERABLES STATUS

The following itemizes the contract deliverables due to RL in November, and also provides a look ahead through December 2019.

Table 12-1. November - December 2019 Contract Deliverables

CDRL	Deliverable	Responsible	Date Due	Date Submitted to DOE	RL Action	Response Time	Date Due from DOE	Date Approved by DOE
CD0112	GSA Non-Federal Recipients and Exchange Sale Reports	Millikin	11/01/19	10/31/19	Review	N/A	N/A	
CD0113	Inventory Accuracy Reports	Millikin	11/01/19	10/31/19	Information	N/A	N/A	
CD0114	Disposal of Excess and Surplus Personal Property Report	Millikin	11/01/19	10/31/19	Information	N/A	N/A	
CD0123	Monthly Billing Reports for DOE Services - Oct	Eckman	11/05/19	11/05/19	Information	N/A	N/A	
CD0144	Monthly Performance Report - Sep	Millikin	11/10/19	11/06/19	Review	None	N/A	
CD0046	Self-Assessment and Corrective Actions	Walton	11/15/19	11/14/19	Review	30 days		
CD0182	Site-Wide Assessment of Institutional Controls	Synoground	11/15/19	11/11/19	N/A	N/A	N/A	
<b>FY2020 EXTENSION 2 SUBMITTALS (11/26/19 thru 5/25/20)</b>								
CD0084	BPA Power and Transmission Service invoice verification and breakdown of site contractor costs - Sep	Synoground / Caudill	11/30/19	11/26/19	Review	None	N/A	
CD0051	Milestone Review and IAMIT Meeting Minutes - Sept	Wilson / Turner	12/01/19		Information	N/A	N/A	
CD0123	Monthly Billing Reports for DOE Services - Nov	Eckman / Combs	12/05/19	12/03/19	Information	N/A	N/A	
CD0189	Site Sustainability Plan	Wilson / Strickling	12/06/19	12/05/19	Review	None	N/A	
CD0144	Monthly Performance Report - Oct	Millikin / Benham	12/10/19	12/05/19	Review	None	N/A	
CD0084	BPA Power and Transmission Service invoice verification and breakdown of site contractor costs - Oct	Synoground / Caudill	12/30/19		Review	None	N/A	
CD0076	Annual Catalog - Seismic	Wilson / Adams	12/31/19		Review	None	N/A	

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

IAMIT = Interagency Management Integration Team.

TPA = Tri-Party Agreement.

N/A = No action.



## 12.1 GOVERNMENT-FURNISHED SERVICES/INFORMATION AND DOE DECISIONS

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

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

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



## 13.0 SELF-PERFORMED WORK

Table 13-1. Mission Support Contract Socioeconomic Reporting.

Plan Category	MSA Goal	FY 2020 Actual To-Date	Cumulative %
Small Business	50.0%	77.8%	83.6%
Small Disadvantaged Business	10.0%	20.0%	20.2%
Small Women-Owned Business	6.8%	35.7%	16.2%
HubZone	2.7%	21.7%	7.0%
Small Disadvantaged, Service Disabled	2.0%	12.4%	7.7%
Veteran-Owned Small Business	2.0%	10.4%	8.8%

Through November 2019

### Prime Contract Targets:

- At least 40% contracted out beyond MSA, LLC = 36.0% (\$1.583B/\$4.406B)
- Small Business 25% of Total Mission Support Contract (MSC) Value = 30.0% (\$1.323B/\$4.406B)

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.



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