

# MISSION SUPPORT ALLIANCE

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



# Monthly Performance Report December 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 December 2019.

### 1.1 KEY ACCOMPLISHMENTS

#### **Hazardous Substances Regulatory Agency Notification Support – MSA**

Environmental Integration Services (EIS) personnel led a multi-contractor team that developed criteria that satisfies the requirements of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Emergency Planning and Community Right-To-Know Act (EPCRA) regulatory agency notifications when quantities of concurrent hazardous substances are released over a 24-hour period. Preparation of an Administrative Interface Agreement to implement the new processes is underway.

**Underground Radioactive Material Area (URMA)** – On December 26, 2019, MSA Long-Term Stewardship (LTS) program personnel posted a portion of the 100-B-34 Waste Information Data System (WIDS) site as an URMA. This WIDS site includes three pipeline segments that were not previously remediated due to the presence of active utilities or infrastructure (i.e., the export water line). Two of the pipelines are approximately 100-foot long segments of the 66-inch diameter reactor effluent pipelines from the 105C Reactor. After consulting with the MSA Radiological Control organization, it was determined that these two pipeline segments should be posted as an URMA until they are addressed under a CERCLA Record of Decision. A baseline radiological survey of the new URMA posting for these two pipelines will be completed in January 2020.



*Stanchions with URMA pipeline sign*

**Fiscal Year (FY) 2019 Hanford Seismic Report** - The Hanford Seismic Report for FY 2019 is complete and posted on the Pacific Northwest Seismic Network (PNSN) website. The report, authored by the University of Washington (UW), PNSN, documents the locations, magnitudes, and seismic interpretations of earthquakes

recorded for the Hanford monitoring region of south-central Washington during FY 2019. The focus of the report is the precise location of seismic activity, such as earthquakes or explosions, proximal to or on the Hanford Site. Seismic data are used to support Hanford Site contractors for waste management activities, natural phenomena hazards assessments, and engineering design and construction. MSA manages seismic monitoring for the Hanford Site via subcontract with UW, PNSN.

**Other Hanford Contractor Support** – MSA EIS staff provided calendar year 2019 radiological effluent data reports to Washington River Protection Solutions LLC (WRPS) and CH2M Hill Plateau Remediation Company (CHPRC) for review. The reports included 13,351 individual sample parameters for 1,556 analytical results from 931 samples collected at 35 stacks and 4 ambient locations. Periodic reports to responsible management on the performance of emissions measurement programs are required per 40CFR61.93, WAC 246-247-035, and the RAEL-FF-01 Radioactive Air Emissions License for DOE-RL.

**Hanford Site 10-Year Plan** – MSA’s Site Mission Integration and Analysis team supported DOE Headquarters with a draft Hanford Site 10-Year Plan submitted in November. 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. In December, the Hanford Site 10-Year Plan, and Rev. 1 of the 5-Year Plan were provided to DOE Management.

**Street Lamps Repair**– MSA Interface Management staff responded to a request from CHPRC Interface Management regarding seven out-of-service parking lot/street lamps located in the 300 Area. To respond quickly and support CHRPC, the Work Management organization diverted resources to focus on repairing the street lamps. All lights were repaired by the end of that week, on December 5, 2019.

**B Reactor Water Leak** – On Friday, December 13, 2019, Pipefitters, Heavy Equipment Operators, Teamsters, Stationary Operating Engineers, Crane Operator, and Riggers worked on a water leak at the B Reactor facility. Crews completed the excavation, and the existing pipe spool was removed from the excavated area. The 10-inch pipe spool had cracks the full length of

*Connecting new 10-inch pipe*



the 20-foot pipe section. Piping made from high-strength polyvinyl chloride (PVC) compound, was used to replace the cast iron piping because there was only 10 feet of cast iron replacement piping available. On Saturday, December 14, 2019, crews successfully installed the new piping spool piece. The piping passed the 30-minute leak check, the excavation was backfilled, and the water restored to the fire hydrants at B Reactor.

**Sanitary Waterline Leak** – On December 3, 2019, MSA Water and Sewer Utilities (W&SU) personnel were notified of a sanitary water line leak south of Mobile Office (MO)-414. The leak was estimated at one gallon per minute from a two-inch sanitary water line. Because there were no impacts to surrounding waste information data system (WIDS) sites, notifications were not required to be made to the Washington State Department of Ecology. The sanitary water line was repaired and placed back into service on December 4, 2019.



*Damaged sanitary water line*

**STEPS Graduation** – MSA Human Resources (HR) personnel hosted the graduation ceremony for the fourth class of the Supporting Talent & Engaging Professionals for Success (STEPS) program participants on December 18, 2019. The twenty-one MSA employees who graduated from the STEPS program successfully completed a rigorous six-month training program that included classroom instruction with a leading edge professional coach, separate learning forums that focused on company specific operations, and one-on-one mentoring relationships with coaches currently in MSA management. The STEPS program is designed, and has been successful, in shaping MSA's future leaders and preparing them for growth opportunities.

**Audit Status** – MSA Finance and Accounting staff continued work with DOE and its external auditors on several different audits:

- **Fiscal Year (FY) 2013 Incurred Cost Submission (ICS) Audit Follow-Up** – Workers prepared documentation to substantiate that government reimbursement



for unallowable executive compensation costs associated with the FY 2013 ICS audit follow-up were calculated correctly.

- **DOE FY 2019 Invoice Audit for Labor and Non-Labor** – DOE requested support for selected labor and non-labor data to begin the FY 2019 DOE Invoice Audit for the third and fourth quarter of 2019. In December, MSA provided 75 percent of the data requested, with plans to provide the remaining items by the first week of January 2020.
- **FY 2018 Incurred Cost Audit** – Auditor CohnReznick LLP<sup>1</sup> began the FY 2018 Incurred Cost Audit. During December, MSA provided the Incurred Cost files and the detail transaction files at their request. CohnReznick provided subsamples for Contracted Labor Time Recording (CLTR), Time Information System (TIS), Materials, Subcontracts, Other Originated Costs (OOCs), Revenue, General and Administrative (G&A), and Journal Entries. They have requested a response by January 21, 2020.

**Hanford Life Cycle Clean-up Baseline Project (HLCCB)** – The HLCCB project continued to progress in December. During the month, initial key assumptions, key interfaces and an integrated schedule were finalized. In addition, other Hanford contractors' cost data and all 66 of DOE-RL's MII<sup>2</sup> estimate baseline databases' cost data were successfully migrated to the centralized pricing platform. Plans are moving forward toward a Sitewide integrated cost platform by June 2020.

**Washington State Paid Family Medical Leave** – During December, MSA HR staff provided MSA management with an overview of the new Washington State Paid Family Medical Leave program and training how this program will interplay with MSA's existing leave of absences. Seven (7) interactive training sessions were held in December. Additionally, MSA HR collaborated with its pre-selected subcontractors to ensure that the Hanford site level of knowledge is consistent and appropriate.

**Radiation Portal Monitor (RPM) Maintenance Instructor Re-Qualification Training**– The Volpentest HAMMER Federal Training Center (HAMMER) supported Pacific Northwest National Laboratory (PNNL) personnel as they conducted Nuclear Smuggling Detection and Deterrence (NSDD) Radiation Portal Monitor (RPM) Maintenance Instructor Re-qualification training December 16-20, 2019. The course

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<sup>1</sup> CohnReznick LLP is a public accounting firm whose services are services are aligned in three segments: accounting, tax, and advisory. Headquarters are in New York City, NY.

<sup>2</sup> MII is the second-generation software application of the Micro-Computer Aided Cost Estimating System (MCACES), developed in conjunction with Project Time & Cost LLC, of Richland, WA.



allowed participants to maintain or attain their qualifications to become RPM Maintenance Training.

**Instructor Fundamentals Training for Worker Trainer Candidates** – In December, HAMMER conducted Instructor Fundamentals training to potential worker trainer Instructors. The students received instruction on a variety of topics meant to provide them the skills needed to be successful worker trainers: questioning skills, presenting styles, the Systematic Approach to Training, and student engagement.

**Windows Servers Upgraded** – MSA’s Information Management (IM) team upgraded approximately 40 Windows<sup>3</sup> Servers for Integrated Document Management System (IDMS) that were still running Microsoft Windows’ outdated 2008 Operation System. This outdated operating system did not comply with Cyber Security/DOE-RL Security orders that requires Site applications be able to perform regular system patching. During the outage, the servers were successfully upgraded to run on the compliant Windows’ 2012 Operating System.

**Maintenance Dashboard Development** – Enhancements to the Maintenance Dashboard were completed, along with the necessary associated testing, and the dashboard was released into production on December 12, 2019.

**Hanford Site Tours** – MSA Communications personnel coordinated three tours for DOE for visitors to the Hanford Site during December. One tour was for the Associate Principal Deputy to the Assistant Secretary for Field Operations, DOE-HQ; one tour was for senior management from the National Nuclear Security Administration (NNSA) (Chief Financial Officer’s office); and one tour was for U.S. Representatives Daniel Newhouse (WA) and Peter Aguilar (CA) and their staff members. MSA developed the tour agendas, secured project briefers, oversaw the visitor badging process, and made site notifications. MSA also accompanied the NNSA and U.S. Representative tours, providing logistics support.

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<sup>3</sup> Microsoft Windows, commonly referred to as Windows, is a group of several proprietary graphical operating system families, all of which are developed and marketed by the Microsoft Corporation, of Redmond, 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 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-14	ORP – Reliability Projects	\$154.8	\$355.0	\$73.3	\$281.7
RL-0020	Safeguards & Security	\$91,005.3	\$33,857.6	\$19,917.3	\$13,940.3
RL-0040	GSI and Spares Inventory	\$1,708.5	\$1,708.5	(\$64.5)	\$1773.0
RL-0201	Reliability Projects, HAMMER, B-Reactor	\$98,707.9	\$39,168.7	\$12,937.7	\$26,231.0
SWS	Site-Wide Services	\$229,296.7	\$83,688.5	\$49,933.1	\$33,755.4
<b>Total</b>		<b>\$420,873.2</b>	<b>\$158,778.3</b>	<b>\$82,796.9</b>	<b>\$75,981.4</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 865, dated January 21, 2020.

Based upon FY 2020 forecast the remaining uncosted balance will fund SWS through February 12, 2020 and RL-0020 through February 13, 2020.



## 3.0 SAFETY PERFORMANCE

During the month of December, MSA experienced two injuries that classified as Recordable. One of those injuries also classified as Days Away, Restricted or Transferred (DART). Therefore, the fiscal year 2020 total recordable case (TRC) rate is 0.77 and the DART rate is 0.58. Both rates are below the DOE performance measurement baseline of 1.1 and 0.60, respectively. Six First Aid cases were recorded, which is average for a given month.

MSA recognizes employees encounter hazards on a daily basis as conditions change both within the work place and at home. Safety communications have been issued to remind employees of hazard controls that can be applied, such as maintaining situational awareness, assessing physical or mental capabilities, using the correct Personal Protective Equipment, and to be mindful of changing work environments.



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

**FY20 = 0.77    CY19 = 0.59**

**Total Recordable Case (TRC) Rate**

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Monthly Recordable Cases	1	0	1	2	0	1	3	0	1	2	0	2
Monthly TRC Rate	0.48	0.00	0.62	1.15	0.00	0.58	1.78	0.00	0.47	1.17	0.00	1.08
Performance (3-m Average)	0.36	0.39	0.39	0.63	0.56	0.55	0.74	0.69	0.64	0.48	0.55	0.77
Performance (12-m Average)	0.45	0.45	0.47	0.47	0.42	0.42	0.51	0.51	0.50	0.55	0.51	0.59

**Performance Data**

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Monthly Recordable Cases	1	0	1	2	0	1	3	0	1	2	0	2
Monthly TRC Rate	0.48	0.00	0.62	1.15	0.00	0.58	1.78	0.00	0.47	1.17	0.00	1.08
Performance (3-m Average)	0.36	0.39	0.39	0.63	0.56	0.55	0.74	0.69	0.64	0.48	0.55	0.77
Performance (12-m Average)	0.45	0.45	0.47	0.47	0.42	0.42	0.51	0.51	0.50	0.55	0.51	0.59

**Specific Goal to Achieve**

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

**Leading Indicator Description**

**Performance Indicator Information**

PI Owner:	Lanette Adams
Data Analyst:	Terri Martinez
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003, Sect. 4.0
Date:	1/9/2020

**Analysis**

During the month of December, the following injuries classified as "Recordable": (1) employee experienced a syncope when hitting their elbow on a door jam; and, (2) employee injured their neck when lifting a hydraulic pump onto a truck. The neck injury also classified as days away, restricted or transferred (DART). FYTD, MSA has experienced 4 OSHA Recordable injuries, corresponding to a TRC rate of 0.77.

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

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

**Action**

Injury Prevention Actions:

- Closely monitored all First Aid cases to determine emerging trends and implement awareness activities, as warranted
- In light of the HMESC contract announcement, the MSA President and COO distributed all employee messages encouraging employees to remain focused on the current mission and continue to be diligent when it comes to safety of themselves and colleagues
- Enhanced communications regarding traffic safety in support of implementing Hanford traffic safety initiatives
- 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 the proper disposal of sharp materials; 2) hazard controls for common workplace hazards; 3) holiday cybersecurity safety; 4) winter driving tips; and, 5) developing 2020 improvement goals by using specific, measurable, attainable, realistic and timely (SMART) criteria.

**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**

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Monthly DART Cases	1	0	1	2	0	1	1	0	1	2	0	1
Monthly DART rate	0.48	0.00	0.62	1.15	0.00	0.58	0.59	0.00	0.47	1.17	0.00	0.54
Performance (3-m Average)	0.18	0.19	0.39	0.63	0.56	0.55	0.37	0.34	0.32	0.48	0.55	0.58
Performance (12-m Average)	0.22	0.23	0.23	0.33	0.33	0.37	0.37	0.37	0.37	0.41	0.41	0.46

**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:	1/9/2020

**FY20 = 0.58**      **CY19 = 0.46**

**Days Away, Restricted or Transferred (DART) Case Rate**

Month	Monthly DART rate	Performance (12-m Average)	DART Cases
Jan-19	0.48	0.22	1
Feb-19	0.00	0.23	0
Mar-19	0.62	0.23	1
Apr-19	1.15	0.33	2
May-19	0.00	0.33	0
Jun-19	0.58	0.37	1
Jul-19	0.59	0.37	1
Aug-19	0.00	0.37	0
Sep-19	0.47	0.37	1
Oct-19	1.17	0.41	2
Nov-19	0.00	0.41	0
Dec-19	0.54	0.46	1

**Analysis**

During the month of December, there was one DART injury; an employee injured their neck when lifting a hydraulic pump onto a truck. FYTD, MSA has experienced 3 DART injuries, corresponding to a DART rate of 0.58.

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

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

**Action**

Injury Prevention Actions:

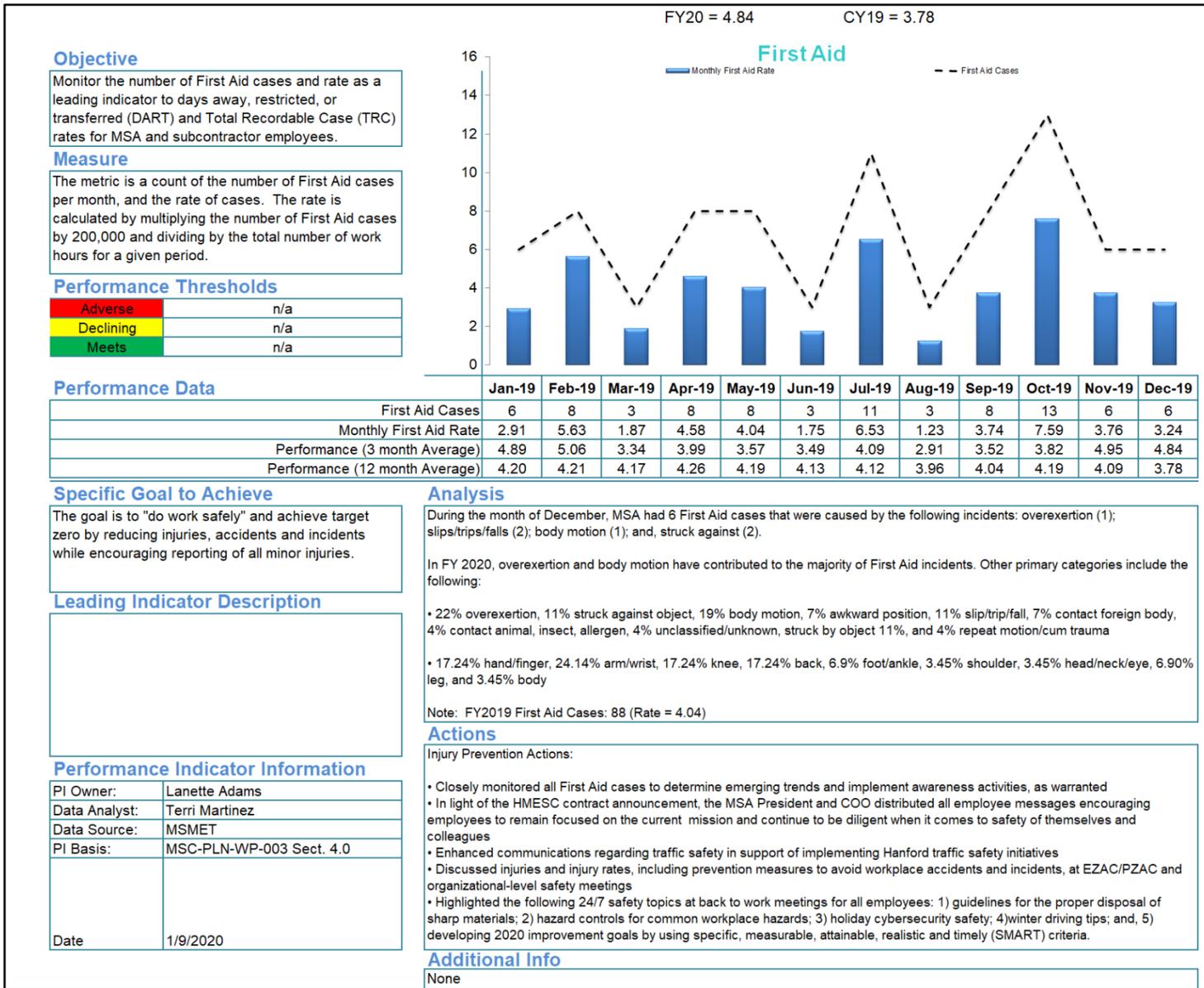
- Closely monitored all First Aid cases to determine emerging trends and implement awareness activities, as warranted
- In light of the HMESC contract announcement, the MSA President and COO distributed all employee messages encouraging employees to remain focused on the current mission and continue to be diligent when it comes to safety of themselves and colleagues
- Enhanced communications regarding traffic safety in support of implementing Hanford traffic safety initiatives
- 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 the proper disposal of sharp materials; 2) hazard controls for common workplace hazards; 3) holiday cybersecurity safety; 4) winter driving tips; and, 5) developing 2020 improvement goals by using specific, measurable, attainable, realistic and timely (SMART) criteria.

**Additional Info**

None



Table 3-3. First-Aid Case Rate





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

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

CONTRACT PERFORMANCE REPORT													DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188																		
FORMAT 1 - WORK BREAKDOWN STRUCTURE																																	
<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 (2019/11/18)																								
Mission Support Alliance			Mission Support Contract			Mission Support Contract			b. To (2019/12/22)																								
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																											
5. CONTRACT DATA																																	
a. QUANTITY		b. NEGOTIATED COST		c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/FEE		e. TARGET PRICE		f. ESTIMATED PRICE		g. CONTRACT CEILING		h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS																	
N/A		\$4,182,870		\$1,007		\$223,247		\$4,406,118		\$4,479,696		N/A		N/A		N/A																	
6. ESTIMATED COST AT COMPLETION																																	
													CONTRACT BUDGET BASE (2)		VARIANCE (3)		7. AUTHORIZED CONTRACTOR REPRESENTATIVE																
																	a. NAME (Last, First, Middle Initial)																
																	Wilkinson, Robert E																
																	b. TITLE																
																	MSC Project Manager																
a. BEST CASE													\$4,183,878				c. SIGNATURE																
b. WORST CASE													\$4,469,271																				
c. MOST LIKELY													\$4,256,448		4,183,878		(72,571)		d. DATE SIGNED														
																	1/23/2020																
8. PERFORMANCE DATA																																	
													Current Period		Cumulative to Date				At Completion														
													Budgeted Cost		Variance		Budgeted Cost		Variance														
													Work Scheduled		Actual Cost Work Performed		Work Scheduled		Actual Cost Work Performed		Schedule		Cost		Budgeted								
													Work Performed		Schedule		Work Performed		Cost		Cost		Estimated		Variance								
													(2)		(4)		(5)		(6)		(7)		(8)		(9)		(10)		(11)		(12)		
													(3)		(6)		(8)		(11)		(12)		(13)		(14)								
a. WORK BREAKDOWN STRUCTURE ELEMENT																																	
3001.01.01 - Safeguards and Security													6,242		6,031		633,584		627,305		6,280		663,933		657,188								
3001.01.02 - Fire and Emergency Response													3,986		3,831		277,380		277,859		(480)		293,952		294,861								
3001.01.03 - Emergency Management													412		399		46,499		46,390		109		48,415		48,224								
3001.01.04 - HAMMER													951		694		78,645		75,130		3,515		82,945		79,281								
3001.01.05 - Emergency Services Management													245		245		16,757		16,584		174		17,646		17,492								
3001.02.01 - Site-Wide Safety Standards													119		65		8,974		9,886		(912)		9,579		10,461								
3001.02.02 - Environmental Integration													322		342		58,176		56,886		1,290		59,678		58,406								
3001.02.03 - Public Safety & Resource Protection													1,094		841		76,771		75,795		976		81,907		80,607								
3001.02.04 - Radiological Site Services													0		0		5,242		5,129		113		5,242		5,129								
3001.02.05 - WSCF Analytical Services													0		0		50,438		50,457		(19)		50,438		50,457								
3001.03.01 - IM Project Planning & Controls													123		132		33,836		33,073		762		34,407		33,638								
3001.03.02 - Information Systems													838		703		123,700		122,060		1,640		127,102		126,726								
3001.03.03 - Infrastructure / Cyber Security													672		550		49,045		48,168		877		52,832		52,093								
3001.03.04 - Content & Records Management													513		520		72,112		71,489		623		74,684		74,078								
3001.03.05 - IR/CM Management													194		401		15,586		15,489		97		16,400		16,531								
3001.03.06 - Information Support Services													153		163		15,187		15,209		(22)		15,897		15,929								
3001.04.01 - Roads and Grounds Services													315		340		33,971		34,873		(902)		36,186		37,110								
3001.04.02 - Biological Services													457		346		39,817		39,302		515		41,432		41,217								
3001.04.03 - Electrical Services													1,570		1,677		129,592		129,646		(54)		137,518		137,809								
3001.04.04 - Water/Sewer Services													1,721		1,944		138,590		137,414		1,176		146,708		145,460								
3001.04.05 - Facility Services													0		0		7,900		7,900		(0)		7,900		7,900								
3001.04.06 - Transportation													33		34		10,895		10,836		59		11,048		10,989								



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

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE													DOLLARS IN Thousands			FORM APPROVED OMB No. 0704-0188									
1. Contractor		2. Contract			3. Program			4. Report Period																	
a. Name Mission Support Alliance		a. Name Mission Support Contract			a. Name Mission Support Contract			a. From (2019/11/18)																	
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2019/12/22)																	
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No X Yes																				
Item (1)	Current Period					Cumulative to Date					At Completion														
	Budgeted Cost		Actual Cost Work Performed (4)	Variance		Budgeted Cost		Actual Cost Work Performed (9)	Variance		Budgeted (12)	Estimated (13)	Variance (14)												
	Work Scheduled (2)	Work Performed (3)		Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)		Schedule (10)	Cost (11)															
a. WORK BREAKDOWN STRUCTURE ELEMENT (Cont'd)																									
3001.04.07 - Fleet Services	0	0	0	0	0	7,322	7,322	7,322	0	(0)	7,322	7,322	(0)												
3001.04.08 - Crane and Rigging	0	0	0	0	0	2,187	2,187	2,187	0	(0)	2,187	2,187	(0)												
3001.04.09 - Railroad Services	10	10	7	0	3	741	741	669	0	72	785	706	78												
3001.04.10 - Technical Services	484	484	619	0	(135)	51,957	51,957	52,970	0	(1,013)	54,335	55,604	(1,269)												
3001.04.11 - Energy Management	131	131	140	0	(9)	12,777	12,777	12,357	0	420	13,398	13,064	334												
3001.04.12 - Hanford Historic Buildings Preservation	302	302	228	0	74	26,485	26,485	25,594	0	891	27,741	26,854	887												
3001.04.13 - Work Management	231	231	193	0	38	16,559	16,559	18,095	0	(1,535)	17,913	19,438	(1,526)												
3001.04.14 - Land and Facilities Management	649	649	742	0	(93)	51,322	51,322	49,107	0	2,215	54,311	52,273	2,038												
3001.04.15 - Mail & Courier	58	58	(24)	0	82	7,412	7,412	7,371	0	41	7,694	7,754	(60)												
3001.04.16 - Property Systems/Acquisitons	673	673	696	0	(23)	64,289	64,289	64,165	0	124	67,400	67,257	142												
3001.04.17 - General Supplies Inventory	83	83	(155)	0	238	2,294	2,294	1,238	0	1,055	2,678	1,163	1,514												
3001.04.18 - Maintenance Management Program Implementation	80	80	74	0	7	10,869	10,869	10,836	0	33	11,243	11,214	28												
3001.06.01 - Business Operations	300	300	740	0	(440)	62,692	62,692	22,059	0	40,634	68,349	27,926	40,423												
3001.06.02 - Human Resources	339	339	325	0	14	28,539	28,539	26,349	0	2,189	30,101	27,984	2,116												
3001.06.03 - Safety, Health & Quality	1,648	1,648	2,222	0	(574)	188,401	188,401	186,353	0	2,047	196,600	194,794	1,805												
3001.06.04 - Miscellaneous Support	393	393	419	0	(26)	54,938	54,938	55,552	0	(614)	56,748	57,335	(587)												
3001.06.05 - Presidents Office (G&A nonPMB)	(512)	(512)	1	0	(513)	516	516	87	0	429	1,341	916	425												
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	281	281	236	0	46	61,138	61,138	60,002	0	1,135	62,436	61,250	1,186												
3001.08.01 - Water System	103	390	417	287	(27)	48,735	45,488	32,626	(3,247)	12,862	48,874	35,891	12,982												
3001.08.02 - Sewer System	0	0	56	0	(56)	17,321	17,058	20,909	(263)	(3,851)	17,321	21,459	(4,138)												
3001.08.03 - Electrical System	667	931	926	265	5	28,224	27,062	27,671	(1,162)	(609)	31,373	31,077	296												
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	(61)	140	39	201	101	12,924	12,883	13,162	(40)	(279)	13,516	13,773	(257)												
3001.08.06 - Reliability Projects Studies & Estimates	756	756	711	0	45	26,528	26,528	27,920	0	(1,392)	30,192	33,383	(3,192)												
3001.08.07 - Reliability Project Spare Parts Inventory	47	47	36	0	11	4,914	4,914	3,723	0	1,192	5,148	3,995	1,152												
3001.08.08 - Network & Telecommunications System	398	372	193	(26)	180	33,645	32,629	34,983	(1,015)	(2,353)	34,393	37,013	(2,621)												
3001.08.09 - Capital Equipment Not Related to Construction	0	0	0	0	(0)	15,110	15,104	13,713	(6)	1,391	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	0	0	(0)	0	0	125	0	0	(125)	0	125	126	(0)												
3001.90.04 - MSA Transition	0	0	0	0	0	5,868	5,868	5,868	0	0	5,868	5,868	0												
3001.B1.06 - Projects	0	0	0	0	0	(0)	(0)	0	0	(0)	(0)	0	(0)												
b. COST OF MONEY																									
c. GENERAL AND ADMINISTRATIVE																									
d. UNDISTRIBUTED BUDGET																									
e. SUBTOTAL (Performance Measurement Baseline)													27,022	27,749	28,094	727	(346)	2,781,044	2,775,185	2,703,329	(5,858)	71,857	2,822,052	2,846,492	(24,440)



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 (2019/11/18)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728		b. Phase Operations				b. To (2019/12/22)								
c. TYPE CPAF		d. Share Ratio		c. EVMS ACCEPTANCE No X Yes												
Item (1)	Current Period			Variance		Cumulative to Date				At Completion						
	Budgeted Cost		Actual Cost Work Performed (4)	Schedule (5)	Cost (6)	Budgeted Cost		Actual Cost Work Performed (9)	Variance		Budgeted (12)	Estimated (13)	Variance (14)			
	Work Scheduled (2)	Work Performed (3)				Work Scheduled (7)	Work Performed (8)		Schedule (10)	Cost (11)						
a2. WORK BREAKDOWN STRUCTURE ELEMENT																
3001.01.04 - HAMMER	1,539	1,539	1,531	0	8	152,349	152,349	151,980	0	369	159,493	159,215	278			
3001.02.04 - Radiological Site Services	908	908	752	0	156	69,380	69,380	69,184	0	196	73,694	73,399	295			
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	294	294	234	0	60	10,258	10,258	10,018	0	240	11,614	11,349	265			
3001.03.04 - Content & Records Management	78	78	70	0	8	3,105	3,105	3,134	0	(29)	3,473	3,496	(23)			
3001.03.06 - Information Support Services	0	0	0	0	0	4,043	4,043	4,043	0	(0)	4,043	4,043	0			
3001.03.07 - Information Technology Services	2,257	2,257	2,541	0	(283)	112,704	112,704	113,591	0	(886)	129,504	130,339	(835)			
3001.04.05 - Facility Services	1,037	1,037	1,048	0	(11)	88,321	88,321	87,759	0	562	93,213	92,817	397			
3001.04.06 - Transportation	560	560	594	0	(34)	54,722	54,722	54,312	0	410	57,638	56,926	712			
3001.04.07 - Fleet Services	1,620	1,620	1,422	0	197	153,473	153,473	154,484	0	(1,011)	160,914	162,564	(1,650)			
3001.04.08 - Crane and Rigging	1,118	1,118	1,109	0	9	127,647	127,647	127,068	0	580	132,835	132,291	545			
3001.04.10 - Technical Services	286	286	239	0	47	10,231	10,231	9,939	0	293	11,538	11,254	284			
3001.04.13 - Work Management	67	67	58	0	9	4,535	4,535	4,498	0	37	4,843	4,805	38			
3001.04.14 - Land and Facilities Management	901	901	961	0	(60)	76,335	76,335	76,327	0	8	80,642	80,737	(94)			
3001.04.15 - Mail & Courier	21	21	23	0	(2)	1,792	1,792	1,781	0	10	1,888	1,877	12			
3001.06.01 - Business Operations	911	911	1,553	0	(642)	116,377	116,377	116,412	0	(35)	121,178	121,364	(187)			
3001.06.02 - Human Resources	379	379	296	0	83	33,075	33,075	32,869	0	206	34,830	34,626	204			
3001.06.03 - Safety, Health & Quality	154	154	123	0	31	16,414	16,414	15,393	0	1,021	17,065	16,103	962			
3001.06.04 - Miscellaneous Support	352	352	289	0	62	19,235	19,235	20,012	0	(777)	20,860	21,652	(792)			
3001.06.05 - Presidents Office (G&A nonPMB)	332	332	468	0	(135)	29,108	29,108	29,031	0	77	30,689	30,637	53			
3001.06.06 - Strategy	23	23	25	0	(3)	3,158	3,158	3,073	0	85	3,263	3,176	87			
3001.A1.01 - Transfer - CHPRC	7,645	7,645	6,495	0	1,150	733,650	733,650	734,358	0	(708)	768,911	767,511	1,400			
3001.A1.02 - Transfer - WRPS	5,094	5,094	4,471	0	623	350,724	350,724	349,143	0	1,580	374,219	371,571	2,648			
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	52	52	37	0	15	3,603	3,603	3,687	0	(84)	3,844	3,901	(57)			
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	59	59	46	0	13	3,530	3,530	3,635	0	(105)	3,802	3,884	(82)			
3001.A2.06 - Non-Transfers - BNI Corp	(0)	(0)	75	0	(75)	7	7	76	0	(69)	7	214	(207)			
3001.A2.07 - Non-Transfers-WAI	37	37	23	0	14	1,439	1,439	1,338	0	100	1,607	1,486	121			
3001.A4.01 - Request for Services	832	832	653	0	178	118,664	118,664	118,902	0	(238)	121,627	121,149	478			
3001.A4.02 - HAMMER RFSS	191	191	171	0	20	36,575	36,575	35,061	0	1,514	37,287	35,631	1,657			
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	67	67	55	0	12	11,385	11,385	12,710	0	(1,325)	11,635	12,903	(1,268)			
3001.A5.01 - RL PD	24	24	29	0	(6)	6,761	6,761	6,608	0	153	6,882	6,729	153			
3001.A5.02 - ORP PD	100	100	70	0	30	8,656	8,656	8,679	0	(23)	9,033	9,035	(2)			



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 (2019/11/18)							
b. Location (Address and Zip Code)		b. Number			b. Phase			b. To (2019/12/22)							
Richland, WA 99352		c. TYPE			c. EVMS ACCEPTANCE										
Item (1)	Current Period					Cumulative to Date					At Completion				
	Budgeted Cost		Actual Cost Work Performed (4)	Variance		Budgeted Cost		Actual Cost Work Performed (9)	Variance		Budgeted (12)	Estimated (13)	Variance (14)		
	Work Scheduled (2)	Work Performed (3)		Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)		Schedule (10)	Cost (11)					
3001.A5.03 - RL Project Funded	514	514	430	0	84	19,081	19,081	17,458	0	1,623	21,299	20,149	1,150		
3001.A5.04 - ORP Project Funded	163	163	122	0	41	8,493	8,493	8,043	0	450	9,217	8,810	407		
3001.A6.01 - Portfolio PMTOs	(56)	(56)	0	0	(56)	1,102	1,102	1,102	0	(0)	1,102	1,102	(0)		
3001.A7.01 - G&A Liquidations	(2,438)	(2,438)	(2,448)	0	10	(229,306)	(229,306)	(227,519)	0	(1,787)	(241,132)	(240,205)	(928)		
3001.A7.02 - DLA Liquidations	(1,969)	(1,969)	(2,045)	0	76	(156,551)	(156,551)	(154,743)	0	(1,808)	(166,083)	(164,406)	(1,678)		
3001.A7.03 - Variable Pools Revenue	(8,431)	(8,431)	(8,548)	0	117	(754,691)	(754,691)	(756,324)	0	1,633	(800,290)	(800,605)	315		
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											(52,088)	0	(52,088)		
e2. SUBTOTAL (Non - Performance Measurement Baseline)	14,721	14,721	12,974	0	1,747	1,347,031	1,347,031	1,345,469	0	1,562	1,361,747	1,409,877	(48,131)		
f. MANAGEMENT RESERVE											79	79	0		
g. TOTAL	41,744	42,470	41,068	727.0	1,401	4,128,075	4,122,216	4,048,797	(5,858)	73,419	4,183,878	4,256,448	(72,571)		
9. RECONCILIATION TO CONTRACT BUDGET BASE															
a. VARIANCE ADJUSTMENT															
b. TOTAL CONTRACT VARIANCE															



5.0 FORMAT 3, DD FORM 2734/3, BASELINE

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

CONTRACT PERFORMANCE REPORT																	
FORMAT 3 - BASELINE														DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188	
<b>1. Contractor</b>			<b>2. Contract</b>				<b>3. Program</b>				<b>4. Report Period</b>						
a. Name			a. Name				a. Name				a. From (2019/11/18)						
Mission Support Alliance			Mission Support Contract				Mission Support Contract										
b. Location (Address and Zip Code)			b. Number				b. Phase				b. To (2019/12/22)						
Richland, WA 99352			RL14728				Operations										
			c. TYPE		d. Share Ratio		c. EVMS ACCEPTANCE										
			CPAF				No X Yes										
5. CONTRACT DATA																	
a. ORIGINAL NEGOTIATED COST			b. NEGOTIATED CONTRACT CHANGES		c. CURRENT NEGOTIATED COST (a+b)		d. ESTIMATED COST OF UNAUTHORIZED UNPRICED WORK			e. CONTRACT BUDGET BASE (C+D)		f. TOTAL ALLOCATED BUDGET		g. DIFFERENCE (E - F)			
\$2,854,966			\$1,327,904		\$4,182,870		\$1,007			\$4,183,877		\$4,183,878		\$0			
h. CONTRACT START DATE			i. CONTRACT DEFINITIZATION DATE			j. PLANNED COMPLETION DATE			k. CONTRACT COMPLETION DATE		l. ESTIMATED COMPLETION DATE						
2009/05/24			2009/05/24			2020/05/25			2020/05/25		2020/05/25						
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								
			JAN FY20 (4)	FEB FY20 (5)	MAR FY20 (6)	APR FY20 (7)	MAY FY20 (8)	JUN FY20 (9)	AUG FY20 (10)	SEP FY20 (11)	OCT FY21 (12)	NOV FY21 (13)	DEC FY21 (14)				
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	2,754,021	8,328	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,762,349
b. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	27,023	(8,328)	27,822	23,295	25,845	30,843	26,017	0	0	0	0	0	0	0	0	(92,813)	59,703
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	2,781,044		27,822	23,295	25,845	30,843	26,017	0	0	0	0	0	0	0	0	(92,813)	2,822,052



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

DOLLARS IN Thousands															FORM APPROVED OMB No. 0704-0188			
1. Contractor		2. Contract			3. Program				4. Report Period									
a. Name Mission Support Alliance		a. Name Mission Support Contract			a. Name Mission Support Contract				a. From (2019/11/18)									
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations				b. To (2019/12/22)									
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No X Yes													
6. PERFORMANCE DATA																		
ITEM  (1)	BCWS CUMULATIVE TO DATE  (2)	BCWS FOR REPORT PERIOD  (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)															
			Six Month Forecast By Month						Remaining Forecast By Month								UNDISTRIBUTED BUDGET  (15)	TOTAL BUDGET  (16)
			JAN FY20 (4)	FEB FY20 (5)	MAR FY20 (6)	APR FY20 (7)	MAY FY20 (8)	JUN FY20 (9)	AUG FY20 (10)	SEP FY20 (11)	OCT FY21 (12)	NOV FY21 (13)	DEC FY21 (14)					
a2. NON - PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	1,332,310	3,985	0	0	0	0	0	0	0	0	0	0	0	0	10,211	1,346,505		
b2. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	14,721	(3,985)	13,228	11,779	12,953	16,099	12,745	0	0	0	0	0	0	0	(62,299)	15,241		
c2. NON - PERFORMANCE MEASUREMENT BASELINE (End of Period)	1,347,031		13,228	11,779	12,953	16,099	12,745	0	0		0	0	0		(52,088)	1,361,747		
7. MANAGEMENT RESERVE																79		
8. TOTAL	4,128,075	0	41,050	35,073	38,798	46,941	38,762	0	0	0	0	0	0		(144,901)	4,183,878		



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 (2019/11/18)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/12/22)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

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

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

**3001.01.04 HAMMER** – A favorable CM CV relates to the Infrastructure and Facility Upgrade Projects not fully begun pending a Plant Force Work Review for determination.

**3001.02.03 Public Safety & Resource Protection** – A favorable CM CV is due to absorbing staff attrition, deferring ABCASH software purchases until June, and deferring subcontract and laboratory analysis until spring.

**3001.06.01 Business Operations** – An unfavorable CM CV resulted because of planning the Sitewide Services (SWS) severance budget in November. MSA implemented a baseline change request (BCR) moving the budget to May based on Contract Mod 852 extending the MSA period of performance. Subcontract delays and labor underruns from unfilled positions and labor supporting other project needs partially offset the unfavorable CV.

**3001.06.03 Safety, Health & Quality** – The Integrated Contractor Assurance System (iCAS) site-wide software purchased resulted in an unfavorable CM CV. Per CBAG Rev 2, MSA captured these costs until definitization of the iCAS proposal pending agreement on contract extension - price/modification.

**3001.06.05 President’s Office** – An unfavorable CM CV resulted due to the implementation of a Baseline Change Request (BCR), revising the time phasing of the Outgoing Transition account due to the delay in the Hanford Mission Essential Services Contract award.

**3001.A1 – 3001.B1 Non-PMB** – The favorable CM CV is primarily due to a CM point adjustment implementing Contract Mod 852 for the MSA Contract extension through May 25, 2020.



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

1. Contractor	2. Contract		3. Program	4. Report Period
a. Name Mission Support Alliance	a. Name Mission Support Contract		a. Name Mission Support Contract	a. From (2019/11/18)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/12/22)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

**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** – Favorable CM SV is because of Project L-895 “Fire Protection Infrastructure for PRW”. The favorable CM SV is due to work completed in this reporting period but planned in a prior period. The primary drivers were the 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.

**3001.08.03 Electrical System** – Favorable CM SV on L-612 “230kV Trans Sys Recon & Sustainability” is due to signing off on the design contract planned last month.

**3001.08.05 Facility System** – Favorable CM SV is due to closing project L-906 “HFD Station 92 Expansion” and completion of L-888 “400 Area Fire Station” clearing and grubbing activities work planned in prior periods.

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



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

1. Contractor	2. Contract		3. Program	4. Report Period
a. Name Mission Support Alliance	a. Name Mission Support Contract		a. Name Mission Support Contract	a. From (2019/11/18)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/12/22)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

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

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

**Cumulative Cost Variance:**

**3001.01.01 Safeguard and Security** - The favorable CTD CV is due to FY19 year-end variance distributions; labor underruns resulting from rate variances, attrition and R-Time for hazardous roads; and material and subcontract underruns due to time phasing, or associated with acquisitions deferred until FY20 or realized at lower than planned cost.

**3001.06.01 Business 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” cost less than planned, the conceptual design utilized fewer resources than originally planned, the Definitive Design experienced cost underruns and the construction contract award was less than the planned value.

Completed projects with CTD CV include the following:

- Project L-419 “Line Renovation/Replacement from 2901U to 200E” had a fixed price contract that was awarded/completed at a lower cost than budgeted.



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 (2019/11/18)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/12/22)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

- 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.

**3001.A1 – 3001.B1 Non-PMB** – The favorable CTD CV is primarily due to the FY 2019 cost variance that is pending definitization.

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

**Impacts - Cumulative Cost Variance:** The overall favorable CV is primarily due to affiliate credit for IT scope and underruns during the execution of the FY 2019 work scope. MSA submitted a credit cost variance proposal for the FY 2019 underruns. MSA does not anticipate resolution of the affiliate credit on IT scope prior to the end of the MSA contract.

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

**Cumulative Schedule Variance:**

**3001.08.01 Water System** – Unfavorable CTD SV is primarily due to Project L-895 “Fire Protection Infrastructure for PRW” construction activity delays including erection of the 282WF building, anchoring and wiring of several major components, 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 (2019/11/18)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/12/22)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

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

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

- Project H-006 “10 CFR 851” encountered breaker maintenance outage challenges with scheduling the actual outage in the field.
- 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.
- Project L-612 “230kV Trans Sys Recon & Sustainability” encountered delays in the design contract signatures, deferring project start by a month.

**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 occurred after November month-end, scheduling the budget beyond November has not happened.

**3001.A1 – 3001.B1 Non-PMB** – The favorable CTD SV is primarily due to a point adjustment implementing Contract Mod 852 for the MSA Contract extension through May 25, 2020.



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

1. Contractor	2. Contract	3. Program	4. Report Period
a. Name Mission Support Alliance	a. Name Mission Support Contract	a. Name Mission Support Contract	a. From (2019/11/18)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/12/22)
	c. Type CPAF	d. Share Ratio NO X YES	

**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 unfavorable VAC in the Performance Measurement Baseline (PMB) and non-PMB is primarily due to extending the forecast through May 25, 2020, consistent with the period of performance extension from Contract Mod 852. Although this modification extended the period of performance, it only provided \$75.0M of additional budget, pending bilateral agreement on the extension price.

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

**Corrective Action - At Complete Variance:**

MSA anticipates that a bilateral agreement on the contract extension price, through May 25, 2020, will be reached in January 2020, resulting in additional contract price. 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 that is pending definitization.

**Negotiated Contract Changes:**

The Negotiated Contract Cost for December 2019 had an increase of \$75.0M from \$4,107.9M to \$4,182.9M. The increase was associated with Contract Mod 852 that extended the MSC period of performance from November 25, 2019 to May 25, 2020. Contract Mod 852 only provided \$75.0M in contract value pending bilateral agreement on the extension price in January 2020.



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

<b>1. Contractor</b>	<b>2. Contract</b>		<b>3. Program</b>	<b>4. Report Period</b>
a. Name Mission Support Alliance	a. Name Mission Support Contract		a. Name Mission Support Contract	a. From (2019/11/18)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/12/22)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
<b>5. Evaluation</b>				

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

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

**Changes in Estimated Price:**

The Estimated Price for December 2019 increased \$221.3M from \$4,258.4M to \$4,479.7M. The Estimated Price includes the Most Likely Management Estimate at Completion (MEAC) of \$4,256.5M and fee of \$223.2M. The increase in estimated price is due to the forecast extending from November 25, 2019 to May 25, 2020, consistent with the period of performance extension from Contract Mod 852.

**Changes in Undistributed Budget:**

The Undistributed Budget (UB) for this reporting period decreased by (\$155.1M) from \$10.2M to (\$144.9M). Contract Mod 852 provided MSA with an additional \$75.0M for the extension from November 25, 2019 to May 25, 2020, pending bilateral agreement on the extension price. The decrease in UB reflects MSA extending the baseline through May 25, 2020, which is consistent with the extended period of performance, and utilizing an offsetting credit to align the baseline with the contract value.

The following BCRs changed the UB:

- VMSA-20-017 – Mod 852 – Extend MSC Period of Performance from November 25, 2019 to May 25, 2020 Adding Additional Scope & Budget; Move Budget from UB and Update WBS Dictionary for Business Integration and Operations



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 (2019/11/18)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/12/22)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
<b>5. Evaluation</b>				
<p><b><u>Changes in Management Reserve:</u></b></p> <p>The MR for this reporting period remained the same at \$0.08M.</p> <p><b><u>Differences in the Performance Measurement Baseline:</u></b></p> <p>This reporting period the Performance Measurement Baseline increased \$59.7M from \$2,762.3M to \$2,822.0M. The primary reason for the increase was due to detail planning the baseline through May 25, 2020.</p> <p>The following BCRs changed the PMB:</p> <ul style="list-style-type: none"> <li>• VMSA-20-017 – Mod 852 – Extend MSC Period of Performance from November 25, 2019 to May 25, 2020 Adding Additional Scope &amp; Budget; Move Budget from UB and Update WBS Dictionary for Business Integration and Operations</li> <li>• VMSA-20-014 – Create Level 5 WBS and Move Additional Project Management, Project Controls, and Business Intelligence Activities and Budget into MSA Contract Extended Period of Performance from SWS-UB</li> </ul> <p>The following Reliability Projects BCRs adjusted time phasing, but did not change the PMB:</p> <ul style="list-style-type: none"> <li>• VMSA-20-005 – Create a Level 4 and 4 Level 5 WBSs for L-861 and Move Budget for Conceptual Design from SWS-UB</li> <li>• VMSA-20-006 – Move SWS-UB to L-839, 12” Potable Water Loop Line to WTP, to Complete Conceptual and Begin Definitive Design</li> <li>• VMSA-20-007 – L-906 Cancel Project and Move Remaining Budgets to SWS-UB</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 (2019/11/18)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/12/22)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

- VMSA-20-008 – Move Additional L-789 Construction Scope and Budget into the MSA Contract Extension Period of Performance from SWS-UB
- VMSA-20-011 – Move Additional L-796 Construction Activities and Budget into MSA Contract Extended Period of Performance from SWS-UB

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

This reporting period the non-PMB increased \$15.2M from \$1,346.5M to \$1,361.7M. The primary reason for the increase was due to detail planning non-PMB through May 25, 2020.

The following BCR changed the non-PMB:

- VMSA-20-017 – Mod 852 – Extend MSC Period of Performance from November 25, 2019 to May 25, 2020 Adding Additional Scope & Budget; Move Budget from UB and Update WBS Dictionary for Business Integration and Operations
- VPMTO-20-001 – Mod 855 – Reduce PMTO 18-002, PMTO-19-001, PMTO-19-002, & PMTO 19-003 to Match Actuals

**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 – December 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
<b>Direct Labor Adder</b>					
Software Engineer Services DLA (3001.03.02.03)	\$732.6	\$732.6	\$607.9	\$124.7	(\$692.2)
Content & Records Management DLA (3001.03.01.04)	\$204.3	\$204.3	\$202.3	\$2.0	(\$196.3)
Transportation DLA (3001.04.06.02)	\$1,397.2	\$1,397.2	\$1,375.0	\$22.2	(\$1,549.3)
Maintenance DLA (3001.04.05.02)	\$2,477.9	\$2,477.9	\$2,429.1	\$48.8	(\$2,413.7)
Janitorial Services DLA (3001.04.05.03)	\$331.4	\$331.4	\$337.0	(\$5.6)	(\$299.1)
<b>Total Direct Labor Adder</b>	<b>\$5,143.4</b>	<b>\$5,143.4</b>	<b>\$4,951.3</b>	<b>\$192.1</b>	<b>(\$5,150.6)</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 – December 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
<b>Usage Based Services</b>					
Training (3001.01.04.02)	\$3,817.3	\$3,817.3	\$3,819.9	(\$2.6)	(\$3,803.4)
HRIP (3001.02.04.02)	\$1,024.7	\$1,024.7	\$1,093.5	(\$68.8)	(\$999.5)
Dosimetry (3001.02.04.03)	\$1,239.4	\$1,239.4	\$1,199.7	\$39.7	(\$1,234.3)
Information Technology Services (3001.03.07.01)	\$7,230.0	\$7,230.0	\$7,533.9	(\$303.9)	(\$8,258.2)
Work Management (3001.04.13.01)	\$167.0	\$167.0	\$173.8	(\$6.8)	(\$160.1)
Courier Services (3001.04.15.02)	\$52.7	\$52.7	\$55.0	(\$2.3)	(\$56.8)
Occupancy (3001.04.14.06)	\$2,443.1	\$2,443.1	\$2,531.5	(\$88.4)	(\$2,581.5)
Crane & Rigging (3001.04.08.02)	\$2,825.6	\$2,825.6	\$2,775.1	\$50.5	(\$3,149.4)
Fleet (3001.04.07.02)	\$4,049.4	\$4,049.4	\$4,204.7	(\$155.3)	(\$4,080.0)
<b>Total UBS</b>	<b>\$22,849.2</b>	<b>\$22,849.2</b>	<b>\$23,387.1</b>	<b>(\$537.9)</b>	<b>(\$24,323.2)</b>
<b>Total DLA / UBS</b>	<b>\$27,992.6</b>	<b>\$27,992.6</b>	<b>\$28,338.4</b>	<b>(\$345.8)</b>	<b>(\$29,473.8)</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 (\$0.3M)** – Variance within threshold. The fiscal year to date minimal unfavorable cost variance is driven by the Information Technology Services UBS pool, as unit increase over plan has resulted in additional costs of increased service request.



8.0 RELIABILITY PROJECT STATUS

Activity in December 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			
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC	% Complete	Baseline Complete Date	Forecast Date	Schedule at Complete	VAC Cost
L-850, Replace 200W 1.1M-gal PW Tank	933.2	917.7	1,091.3	(15.5)	(173.6)	0.98	0.84	933.2	1,214.3	(281.1)	98.3%	11/21/19	2/25/20	R	Y
L-849, Replace 200E 1.1M-gal PW Tank	767.3	498.6	653.3	(268.7)	(154.7)	0.65	0.76	767.3	783.4	(16.2)	65.0%	11/05/18	5/06/20	R	G
L-894, Raw Water Cross Connection Isolation 200E/W	8,012.4	7,841.6	6,564.4	(170.8)	1,277.2	0.98	1.19	8,012.4	6,740.0	1,272.4	97.9%	5/06/19	9/08/20	R	G
L-895, Fire Protection Infrastructure for Plateau Raw Water	7,573.7	5,431.5	5,932.6	(2,142.2)	(501.1)	0.72	0.92	7,573.7	7,741.9	(168.2)	71.7%	11/25/19	2/10/21	R	Y
L-357, Replace 12" Potable Water Line to 222-S Lab	1,654.4	1,638.8	1,669.4	(15.6)	(30.6)	0.99	0.98	1,654.4	1,687.2	(32.8)	99.1%	7/15/19	2/20/20	R	G
L-781, 181D Vertical Turbine Pumps	605.7	378.5	313.7	(227.2)	64.8	0.62	1.21	605.7	626.5	(20.8)	62.5%	5/23/19	6/25/20	R	G
L-897, Central Plateau Water Treatment Facility	2,484.8	2,361.1	2,224.9	(123.7)	136.2	0.95	1.06	2,484.8	2,557.3	(72.5)	95.0%	11/25/19	3/10/20	R	G
L-826, 181B Vertical Turbine Pumps	605.7	319.5	299.1	(286.2)	20.3	0.53	1.07	605.7	593.3	12.4	52.7%	5/23/19	6/25/20	R	G
L-839, 12" Potable Water Loop Line to WTP	112.0	115.2	83.5	3.3	31.7	1.03	1.38	250.5	153.5	97.0	46.0%	5/21/20	4/29/20	G	G
L-853, 200E Sewer Flow Equalization Facility	6,054.1	6,008.1	6,460.6	(46.0)	(452.5)	0.99	0.93	6,054.2	6,702.2	(648.0)	99.2%	1/28/19	6/04/20	R	R
L-854, 200E Sewer Consolidations	5,960.6	5,743.2	5,947.6	(217.4)	(204.3)	0.96	0.97	5,960.7	6,256.3	(295.6)	96.4%	4/16/19	6/23/20	R	Y
L-789, Prioritize T&D Sys Wood PP Test & Replace	5,686.0	5,680.7	6,200.0	(5.3)	(519.3)	1.00	0.92	8,552.1	8,573.3	(21.2)	66.4%	5/21/20	5/21/20	G	G

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

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

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

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

Projects to be Completed (\$000's)															
Work Scope Description (Reliability Projects)	Contract to Date - Performance							Project Baseline				Completion Dates			
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC	% Complete	Baseline Complete Date	Forecast Date	Schedule at Complete	VAC Cost
L-801, Upgrade SCADA	1,131.0	905.3	928.9	(225.7)	(23.6)	0.80	0.97	1,131.0	1,136.2	(5.2)	80.0%	11/25/19	2/18/20	R	G
L-791, RFL Transfer Trip Upgrades	943.6	929.4	748.8	(14.2)	180.6	0.98	1.24	943.6	770.8	172.8	98.5%	5/23/19	1/29/20	R	G
L-720, Outdoor Lighting Reconfiguration and Repl	203.0	183.6	274.1	(19.4)	(90.6)	0.90	0.67	203.0	291.4	(88.5)	90.4%	5/29/19	4/13/20	R	G
H-006, 10 CFR 851	2,556.2	1,873.5	1,952.4	(682.6)	(78.9)	0.73	0.96	2,556.2	2,368.9	187.3	73.3%	11/25/19	3/19/20	R	G
L-612, 230kV Trans Sys Recon & Sustainability	1,007.3	792.7	324.8	(214.6)	467.9	0.79	2.44	1,007.3	411.6	595.6	78.7%	11/25/19	1/15/20	Y	G
L-888, 400 Area Fire Station	1,542.5	1,503.0	1,379.6	(39.5)	123.4	0.97	1.09	1,542.5	1,397.9	144.5	97.4%	11/25/19	4/09/20	R	G
L-905, FARS & RFARS Replacement & Upgrade	641.9	158.9	187.6	(482.9)	(28.7)	0.25	0.85	641.9	644.2	(2.4)	24.8%	11/25/19	5/20/20	R	G
L-921, Telecom Hut at Met Tower	128.4	28.3	90.7	(100.2)	(62.5)	0.22	0.31	128.4	188.7	(60.3)	22.0%	11/25/19	4/09/20	R	G
L-919, Emergency Radio Upgrade	4,232.8	3,806.2	4,064.2	(426.6)	(258.0)	0.90	0.94	4,232.8	4,412.5	(179.7)	89.9%	11/21/19	4/23/20	R	Y
H-001, BMS Upgrade	460.5	454.6	410.1	(5.8)	44.5	0.99	1.11	760.6	712.5	48.1	59.8%	5/21/20	5/21/20	G	G
<b>Total</b>	<b>53,296.8</b>	<b>47,570.0</b>	<b>47,801.9</b>	<b>(5,726.9)</b>	<b>(231.9)</b>	<b>0.89</b>	<b>1.00</b>	<b>56,601.8</b>	<b>55,964.0</b>	<b>637.8</b>	<b>84.0%</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-895, *Fire Protection Infrastructure for Plateau Water*: Unfavorable CTD SV is due to several construction and procurement activity delays including erection of the 282WF building, anchoring and wiring of several major components, and Programmable Logic Controllers (PLC) procurement and pre-programming subcontract.
- 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 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	105	59.8%	20-May-19	21-May-20	20-May-19 A	21-May-20					
H-006	H-006, 10 CFR 851	292	60	73.3%	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	40	99.1%	03-Jul-17	15-Jul-19	29-Jun-17 A	20-Feb-20					
L-612	L-612, 230kV Trans Sys Recon & Sustainability	41	15	78.7%	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	13-Apr-20					
L-781	L-781, 181D Vertical Turbine Pumps	163	129	62.5%	01-Oct-18	23-May-19	01-Oct-18 A	25-Jun-20					
L-789	L-789, Prioritized T&D System Wood Pole Upgrades	398	105	66.4%	01-May-18	21-May-20	03-May-18 A	21-May-20					
L-791	L-791, RFL Transfer Trip Upgrades	265	25	98.5%	07-May-18	23-May-19	07-May-18 A	29-Jan-20					
L-801	L-801, Upgrade SCADA	76	38	80%	04-Sep-18	25-Nov-19	05-Sep-18 A	18-Feb-20					
L-826	L-826, 181B Vertical Turbine Pumps	163	129	52.7%	01-Oct-18	23-May-19	01-Oct-18 A	25-Jun-20					
L-839	L-839, 12" Potable Water Loop Line to WTP	109	89	46%	24-Jun-19	21-May-20	24-Jun-19 A	29-Apr-20					
L-849	L-849, Replace 200E 1.1M-gal PW Tank	216	94	65%	02-Jan-18	05-Nov-18	02-Jan-18 A	06-May-20					
L-850	L-850, Replace 200W 1.1M-gal PW Tank	480	43	98.3%	02-Jan-18	21-Nov-19	02-Jan-18 A	25-Feb-20					
L-853	L-853, 200E Sewer Flow Equalization Facility	867	114	99.2%	17-Aug-15	28-Jan-19	17-Aug-15 A	04-Jun-20					
L-854	L-854, 200E Sewer Consolidations	922	127	96.4%	17-Aug-15	16-Apr-19	17-Aug-15 A	23-Jun-20					

■ Remaining Work  
■ Baseline

**MSC - Reliability Projects**  
**Summary Schedule**  
 Data Date: 22-Dec-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	75	97.4%	30-Apr-18	25-Nov-19	30-Apr-18 A	09-Apr-20					
L-894	L-894, Raw Water Cross Connection Isolation 200E/W	527	180	97.9%	04-Apr-17	06-May-19	30-Mar-17 A	08-Sep-20					
L-895	L-895, Fire Protection Infrastructure for Plateau Raw Water	605	286	71.7%	05-Jul-17	25-Nov-19	05-Jul-17 A	10-Feb-21					
L-897	L-897, Central Plateau Water Treatment Facility	503	53	95%	29-Nov-17	25-Nov-19	29-Nov-17 A	10-Mar-20					
L-905	L-905, FARS & RFARS Replacement & Upgrade	331	104	24.8%	06-Aug-18	25-Nov-19	06-Aug-18 A	20-May-20					
L-919	L-919, Emergency Radio Upgrade	90	85	89.9%	22-Jul-19	21-Nov-19	22-Jul-19 A	23-Apr-20					
L-921	L-921, Telecom Hut at Met Tower	178	75	22%	18-Mar-19	25-Nov-19	18-Mar-19 A	09-Apr-20					

Remaining Work Baseline	<b>MSC - Reliability Projects Summary Schedule Data Date: 22-Dec-19</b>	
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## 9.0 BASELINE CHANGE REQUEST LOG (BCR)

### Baseline Change Request Log for December 2019.

Ten Baseline Change Requests (BCRs) were processed in December.

Two BCRs Authorized by a Contract Modification or RL Direction:

- VMSA-20-017 – Mod 852 – Extend MSC Period of Performance from November 25, 2019 to May 25, 2020 Adding Additional Scope & Budget; Move Budget from UB and Update WBS Dictionary for Business Integration and Operations
- VPMTO-20-001 – Mod 855 – Reduce PMTO 18-002, PMTO-19-001, PMTO-19-002, & PMTO 19-003 to Match Actuals

Five BCRs related to Reliability Projects:

- VMSA-20-005 – Create a Level 4 and 4 Level 5 WBSs for L-861 and Move Budget for Conceptual Design from SWS-UB
- VMSA-20-006 – Move SWS-UB to L-839, 12" Potable Water Loop Line to WTP, to Complete Conceptual and Begin Definitive Design
- VMSA-20-007 – L-906 Cancel Project and Move Remaining Budgets to SWS-UB
- VMSA-20-008 – Move Additional L-789 Construction Scope and Budget into the MSA Contract Extension Period of Performance from SWS-UB
- VMSA-20-011 – Move Additional L-796 Construction Activities and Budget into MSA Contract Extended Period of Performance from SWS-UB

Three BCRs were Administrative in Nature:

- VMSA-20-004 Rev 2 – Administrative BCR – Create Lower Level Task Order (LLTO) WBSs for Cost Collection Established in the Month of December
- VMSA-20-014 – Create Level 5 WBS and Move Additional Project Management, Project Controls, and Business Intelligence Activities and Budget into MSA Contract Extended Period of Performance from SWS-UB
- VMSA-20-015 – Administrative BCR – Update BIO and SS&IM WBS Dictionaries Associated with Mod 793 – Option to Extend Period of Performance through November 25, 2019

Table 9-1. 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
Prior PMB Total	Nov 2019	1,230,506		1,230,506	1,230,506	72,756		1,541,708		2,772,214	2,772,214
VMSA-20-004 Rev 2						0		0		0	2,772,214
VMSA-20-005						0		0		0	2,772,214
VMSA-20-006						0		0		0	2,772,214
VMSA-20-007						0		0		0	2,772,214
VMSA-20-008						0		0		0	2,772,214
VMSA-20-011						0		0		0	2,772,214
VMSA-20-014						0		0		0	2,772,214
VMSA-20-015						0		0		0	2,772,214
VMSA-20-017						49,837		49,837		49,837	2,822,051
Revised PMB Total	Dec 2019	1,230,506		1,230,506	1,230,506	122,593		1,591,545		2,822,051	
Prior Non-PMB Total	Nov 2019	604,007		604,007		25,403		732,634		1,336,640	1,336,640
VMSA-20-017						25,163		25,163		25,163	1,361,803
VPMTO-20-001						(56)		(56)		(56)	1,361,747
Revised Non-PMB Total	Dec 2019	604,007		604,007		50,510		757,740		1,361,747	
Total Contract Performance Baseline	Dec 2019	1,834,513		1,834,513	1,834,513	173,103		2,349,286		4,183,798	
Management Reserve	Nov 2019		0	0			79		79	79	79
Revised Management Reserve	Dec 2019		0	0			79		79	79	
Total Contract Budget Base	Dec 2019			1,834,513				2,349,365		4,183,877	
Prior Fee Total	Nov 2019	109,961		109,961		3,712		113,286		223,247	223,247
Revised Fee Total	Dec 2019	109,961		109,961		3,712		113,286		223,247	
Change Log Total	Dec 2019			1,944,473				2,462,651		4,407,124	



## 10.0 RISK MANAGEMENT

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

- Mission Risk Management:
  - Mission risk review/updates: Risk register reviews and elicitations were held with the MSA Environmental, Safety, Health & Quality (ESH&Q), Emergency Services (ES), Information Management (IM), Site Services and Infrastructure Management (SS&IM), and Public Works (PW) organizations. Revisions to the associated risk registers were captured as appropriate.
  - The Risk Management Board materials were reviewed and approved by their respective Vice Presidents. The December Risk Management Board was canceled. However, Senior Management approved the pending updates.
- 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.
  - Sixty-six Project Risks were re-characterized:
    - Three Project Risks for Project L-612, *230kV Transmission System Reconditioning and Sustainability Repairs (DFLAW High Priority)*.
    - One for Project L-839, *12" Potable Water Loop-Line to WTP (DFLAW Priority)*
    - Four for Project L-850, *Replace 200W 1.1M-gal PW tank (DFLAW Essential)*
    - Nine for Project L-895, *Fire Protection Infrastructure for Plateau Raw Water*
    - Thirty- two for Project L-897, *Central Plateau Water Treatment Facility*
    - Seven for Project L-919, *Emergency Radio Upgrades*
    - Ten for Project L-921, *IT Support Hut at Met Tower*
  - Six Project Risks were closed:



- Three for Project L-888, *400 Area Fire Station*
- One for Project L-895, *Fire Protection Infrastructure for Plateau Raw Water.*
- Two for Project L-921, *IT Support Hut at Met Tower*
- 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:
  - Ongoing Enterprise Risk and Opportunity Management System (EROMS) meetings were held with software engineers and Risk representatives from DOE-RL and the other Hanford contractors to finalize requirements and testing prior to the implementation of the updated version.
    - Testing and documentation was completed. Implementation is scheduled for mid-January.
  - Completed support for Phase 1 Reliability Project Baseline Change Requests.
  - Conducted a risk elicitation for upcoming *Property Disposition – Discontinue Use of TARC* Proposal.
  - Completed IIP review and submitted for comments.
  - Completed Unfunded Item Risk review.



## 11.0 DASHBOARD SUMMARY

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

December FY 2019 Fiscal Year 2020		
Deliverables		YTD Dec
<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.	
	a Biological Controls – Pest Removal	
	b Biological Controls – Tumbleweed Removal	
	c Biological Controls – Vegetation	
	d Contractor Assurance System - Assessments	
	e Contractor Assurance System - Causal Analysis	
	f Contractor Assurance - Issue Resolved	
	g Crane and Crew Support	
	h Facilities Maintenance	
	i Fire Systems - Inspection, Testing and Maintenance	
	j Fire Systems - Priority 1 Emergency Impairments	
	k Fire Systems - Priority 2 Emergency Impairments	
	l Fire Systems - Priority 3 Emergency Impairments	
	m Fleet Services – Heavy Equipment (Cranes)	
	n Fleet Services – Heavy Equipment (Evacuators)	
	o Fleet Services – Heavy Equipment (General Purpose)	
	p Fleet Services – Light Equipment (Hanford Patrol)	
	q Fleet Services – Light Equipment (Hanford Fire)	
r Fleet Services – Light Equipment (Special Purpose Trucks)		
s IT - Cyber Security – System Patching		
t RSS - Dosimetry External Services		
u RSS - Instrument Calibration		

**LEGEND**

= On Schedule

= Objective missed

= Not Applicable (Updated quarterly)

= Complete

= In jeopardy



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

December FY 2019 Fiscal Year 2020			YTD	Dec
Deliverables			YTD	Dec
<b>1.0 Effective Site Cleanup - Achievement of cleanup contractors' key milestones and regulatory commitments</b>				
1.2	Water	Demonstrate effective management of electric, water and sewer utilities to maximize reliability and redundancy		
		Maintain Raw Water Pressure at ICD Level		
		Maintain Potable Water Pressure at ICD Level		
		Perform Preventative maintenance at 90% or better each month		
		Maintain backlog corrective maintenance average age of open work packages to 300 days or less		
		Ensure all water quality samples are completed on time		
	Sewer	Quarterly System Health Report by Engineering submitted one calendar month after each quarter		N/A
		Perform Preventative maintenance at 90% or better each month		
		Maintain backlog corrective maintenance average age of open work packages to 300 days or less		
	Electric	Quarterly System Health Report by Engineering submitted one calendar month after each quarter		N/A
		Electrical power availability		
		Perform Preventative maintenance at 90% or better each month		
1.3	Maximize efficient MSA use of resources to meet the other Hanford contractors' changing project needs.			
<b>TOTAL OBJECTIVE FEE POOL</b>				
<b>3.0 Comprehensive Performance</b>				
Execute the balance of contract work scope within the contract requirements, terms, and conditions, demonstrating excellence in quality, schedule, management, cost control, small business utilization, and regulatory compliance.				
Provide leadership to improve management effectiveness and collaborate and participate proactively with customers.				
Work with DOE and the other Hanford contractors in a spirit of cooperation to demonstrate operational excellence to include, but not limited to, the following areas:				
a	Business and financial management using approved purchasing, estimating, property, budget, planning, billing, labor, accounting, and performance measurement systems, providing visibility and transparency to DOE with respect to each of the forgoing			
b	Contract change management and subcontract administration and consent activities, e.g., proposal review and negotiation process, including timely and adequate submission of proposals and requests for additional data, timely counteroffers, and attaining small business goals			
c	Safeguards and security, fire department operations, emergency response, and emergency operations/emergency			
d	Land Management			
e	Infrastructure and services program management, operations and maintenance			
f	Effective contractor human resources management			
g	Problem identification and corrective action implementation			
Performed work safely and in a compliant manner that assures the workers, public, and environment are protected from adverse consequences				
Take proactive and effective actions to ensure and accomplish a smooth contract transition.				
Take proactive and effective actions to close and reduce contract closeout actions to effectively reduce efforts needed when the MSC enters its closeout period.				
<b>TOTAL SUBJECTIVE FEE POOL</b>				
<b>TOTAL FEE POOL* (Adjusted for Contract Modifications: N/A)</b>				

**LEGEND**

- = On Schedule
- = Objective missed
- N/A = Not Applicable (Updated quarterly)
- = Complete
- = In jeopardy

1.2. Backlog of Corrective Maintenance -- Red for December, Green overall. Corrective work maintenance packages are completed on an operational priority basis. December corrective maintenance month end measurements were time-stamped early (12/16/19) because of the holiday Site closure days. In December, there were three additional open work packages than in November. Of the 27 open sewer corrective maintenance packages, 10 are over 300 days old and have an average age of 659 days. Of the remaining 17 open work packages, the average age is 88 days old, which is a 24-day improvement over the November report.

## 12.0 CONTRACT DELIVERABLES STATUS

The following itemizes the contract deliverables due to RL in December 2019, and also provides a look ahead through January 2020.

Table 12-1. December 2019 – January 2020 Contract Deliverables

CDRL	Deliverable	Responsible	Date Due	Date Submitted to DOE	RL Action	Response Time	Date Due from DOE	Date Approved by DOE
CD0051	Milestone Review and IAMIT Meeting Minutes - 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	12/30/19	Review	None	N/A	
CD0076	Annual Catalog - Seismic	Wilson / Adams	12/31/19	12/23/19	Review	None	N/A	
CD0051	Milestone Review and IAMIT Meeting Minutes - Sept	Wilson / Turner	01/01/20		Information	N/A	N/A	
CD0123	Monthly Billing Reports for DOE Services - Dec	Eckman / Combs	01/05/20	12/31/19	Information	N/A		
CD0124	Quarterly Service Level Report	Eckman / Combs	01/10/20	01/09/20	Information	N/A		
CD0144	Monthly Performance Report - Nov	Millikin / Benham	01/10/20	01/07/20	Review	N/A		
CD0178	Quarterly Manpower Reports and Budget Forecasts	Walton / Giulio	01/15/20	01/09/20	N/A	N/A		
CD0023a	National Security System (NSS) - Quarterly Status Report	Walton / Bernard	01/23/20	01/09/20	Review	N/A		
CD0084	BPA Power and Transmission Service invoice verification and breakdown of site contractor costs - Nov	Synoground / Caudill	01/30/20		Review	N/A		
CD0039	Mutual Aid Agreements	Walton / Kuhman	01/31/20		Review	N/A		
CD0064	Hanford Site Environmental Surveillance Master Sampling Schedule	Wilson / Teel	01/31/20		Approve	30 days		

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

IAMIT = Interagency Management Integration Team.

TPA = Tri-Party Agreement.

N/A = No action.



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

Due to a change to the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Government-Furnished Services and Information (GFS/I) items will no longer be due to MSA this year. Previously, two GFS/I items had been due to MSA 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%	79.0%	83.6%
Small Disadvantaged Business	10.0%	24.3%	20.4%
Small Women-Owned Business	6.8%	30.2%	16.3%
HubZone	2.7%	17.2%	7.0%
Small Disadvantaged, Service Disabled	2.0%	10.8%	7.7%
Veteran-Owned Small Business	2.0%	10.0%	13.1%

Through December 2019

### Prime Contract Targets:

- At least 40% contracted out beyond MSA, LLC = 36.2% (\$1.597B/\$4.406B)
- Small Business 25% of Total Mission Support Contract (MSC) Value = 30.3% (\$1.335B/\$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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