

MISSION SUPPORT ALLIANCE

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



Monthly Performance Report February 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 February 2019.

1.1 KEY ACCOMPLISHMENTS

Safe Work Hours Achieved – As of February 25, 2019, MSA had achieved over 1.2 million Safe Work hours (work hours without a lost workday injury). The last lost workday injury occurred on October 25, 2019.

Snow Removal – February was the snowiest (25.3 inches) and coldest month on record at the Hanford Site. The 25.3” of snow broke the 1989 February record of 17.0 inches, and the all-time monthly record 23.4 from January 1950. The monthly mean cold temperature for February was 24.9 F, breaking the 1956 record of 25.6 F. During these recent record-setting snowstorms, Teamsters and Heavy Equipment Operators successfully and safely worked to clear snow and ice from roadways, parking lots, and walkways.



Crews removed snow from facilities to restore access

Energy Northwest Columbia Generating Station Exercise – During February, MSA Emergency Management Program (EMP) staff participated in the Energy Northwest Columbia Generating Station (CGS) Exercise. The Hanford Emergency Operations Center (EOC) participation validated the effectiveness of a new process for deploying DOE field teams from the Hanford EOC, in lieu of the current deployment process from the CGS Emergency Operations Facility.



Annual VPP Self-Assessment Report - MSA submitted the 2018 Voluntary Protection Program (VPP) Annual Self-Assessment report to DOE-RL in February. The report documents MSA's continuous improvement initiatives in the areas of safety, environmental, quality and contractor assurance. DOE-RL will have until March 15, 2019 to submit the report to DOE Headquarters.

Sitewide Institutional Controls Plan – In February, MSA published the latest revision of the Sitewide Institutional Controls Plan (ICP) for Hanford, a document that incorporates new requirements found in the final 100-D/H Area Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Record of Decision. The ICP provides a collection of all institutional controls for CERCLA response actions and Resource Conservation and Recovery Act (RCRA) corrective actions required at the Hanford Site, and identifies where these actions are documented. The ICP is also a document that requires input and consultation with the U.S. Environmental Protection Agency (EPA), the State of Washington, Department of Ecology (Ecology), and DOE-RL.

DOE-RL Corrective Action Plan Review – MSA's Fire Marshal's Office (FMO) and Fire System Maintenance (FSM) staff submitted a Third Party assessment of the Hanford Fire Department's FSM "Get to Green" Program. The assessment reviewed the Corrective Action Plan (CAP) submitted to DOE-RL against the associated National Fire Protection Association (NFPA) requirements. The assessment concluded that the "Get to Green" Plan is sufficiently detailed and comprehensive, and addresses all applicable areas of concern while identifying the essential actions necessary to achieve compliance with the applicable NFPA Codes and Standards.

Timeline Developed to Assist DOE-RL – During February, MSA Environmental Integration Services (EIS) personnel assisted the DOE-RL Assistant Manager for River and Plateau (AMRP) by developing a visual timeline of events associated with the dispute process on interim TPA milestone M-015-93C (*Initiate Characterization Field Work for 200-SW-2 Operable Unit Landfills*). This activity included compiling all the dates and actions associated with the dispute process.

North Loop 230 kV Transmission Lines Review– At the request of DOE-RL, MSA Reliability Services personnel prepared a high-level review of a loss of power impact to Hanford Site projects if the Hanford Site North Loop 230 kV transmission lines were to be de-energized or fail. The information was provided to the Bonneville Power Administration (BPA) to support its business case request for additional North Loop project funding.

Offload of New Tanks for Plutonium Finishing Plant –

Continuing to work safely even during winter weather conditions, MSA Crane & Rigging Services staff offloaded three new tanks for the CH2M HILL Plateau Remediation Company (CHPRC) to support the Plutonium Finishing Plant (PFP) project. These new tanks are intended to provide bulk fixative storage and delivery capabilities for work activities inside the Material Balance Area fence line at PFP.

Offloading new tanks during winter storm



ESF #12 Response Support (Typhoon Wutip) – During February, Hazardous Materials Management and Emergency Response (HAMMER) staff supported Emergency Support Function #12 (ESF #12) response in the aftermath of Typhoon Wutip, which struck the island of Guam with tropical storm-force winds and heavy rain. Two DOE ESF #12 responders were deployed to Guam with a Federal Emergency Management Agency (FEMA) Incident Management Assistance Team to assess damages.

Hanford Site Traffic Safety Enforcement Task Team – MSA Human Resources staff led the Hanford Site Traffic Safety Enforcement Task Team, who developed and implemented a plan of action that will enforce a continuous culture of safe vehicle operations on the Hanford site. The plan of action included an “Observe and Report” procedure for Hanford Security Police Officers to identify and report traffic safety violations in areas such as speeding, unsafe passing, cell phone use while driving, failure to wear seatbelts, and unauthorized parking. In accordance with Site contractors’ Standards of Conduct, disciplinary actions have been identified for employees who are observed and reported to have committed a traffic safety violation. The Observe and Report procedure was implemented on the Hanford Site February 11, 2019.

MSA Work Charging Authorization – MSA Program Controls developed an automated MSA Work Charging Authorization system (MWCA) to provide employees a means to verify their charge code(s) and confirm that they match authorized work charging documents. For several weeks, the MWCA system went through pilot testing, and system training was provided to MSA Program Controls, Finance, and Human Resources staff (for New Employee Hiring staff), as well as the Control Account Manager and Work Package Managers. Early in February, approval from the Performance Readiness Review Board (PRRB) authorized release of the system’s desktop icon. The MWAC system went live February 21, 2019.



New Geospatial Software Implemented – MSA Geospatial Information Technology Services (GITS) team members implemented new versions of the Hanford Enterprise Geographical Information System (GIS) server architecture, Hanford GIS Portal, and ArcGIS¹ desktop software. The framework and software associated with these upgrades provides a single solution for storing, managing, and hosting all Hanford Site GIS data. All primary contractors across the Hanford Site use the Hanford Enterprise GIS.

Conduct of Operations (CONOPS) Dashboards – Three CONOPS dashboards were released to production on February 19, 2019: the Hazard Control Dashboard, the Safety Dashboard, and the Programmatic Dashboard. Once redirects are completed on the old versions, end users will be notified of the new access links.

Contractor Assurance Support – MSA continued to provide subject matter expertise to DOE-RL by supporting the following areas:

- Conducted Integrated Contractor Assurance System (iCAS) Briefing/Training presentations to DOE-RL staff.
- Conducted multiple laboratory training sessions for iCAS workflow.
- Integrated Oversight and Integrated Issues Management procedures approved and available, effective February 28, 2019.

Virtual Desktop Interface Update Complete – During February, MSA Information Management (IM) system administrators deployed a performance update for all Site Virtual Desktop Interface (VDI) systems. This update is expected to reduce the overall processor usage of each virtual desktop, recover interface responsiveness, and improve end user performance.

Video Prepared for Waste Management Conference – MSA External Affairs staff produced a Reliability Projects video in coordination with DOE-RL and the DOE Office of River Protection (ORP), which was to be presented at the Waste Management Conference in early March. The video focused on projects at Hanford that support the current and future needs of the site. In addition, the video was included in an article sent to the DOE Environmental Management newsletter.

Emergency Support Function #12 Initial Training – To support the DOE Office of Cybersecurity, Energy Security, and Emergency Response's (CESER) Infrastructure Security and Energy Restoration (ISER) Division, Volpentest HAMMER Federal

¹ ArcGIS is a geographic information system (GIS) for working with maps and geographic information, developed by the Environmental Systems Research Institute, headquartered in Redlands, California.



Training Center staff provided Emergency Support Function #12 (ESF #12) initial training for nine new responders. The training was conducted in Cincinnati, Ohio, February 11-15, 2019. The training included an exercise scenario based on a New Madrid Seismic Zone earthquake.

Site Aerial Photography - MSA organized and coordinated aerial photography assignments in February. Duties included scheduling dates with the photographer and airline; contacting teams from DOE, Bechtel, CH2M Hill Hanford Group, Inc. (CH2M), MSA, Washington River Protection Services (WRPS) and Pacific Northwest National Laboratories (PNNL), asking for their list of requested photographs; and delivering photos after the flights were completed. During the month, aerial photos gathered included shots of the Waste Treatment Plant, Plutonium Finishing Plant, the Central Waste Complex and the Plutonium Uranium Extraction Plant (PUREX) Tunnels.

Speakers Bureau Presentations - In February, MSA External Affairs staff coordinated Speakers Bureau presentations for the Tri-Cities (WA) Local Business Association, and for three classes at College Place High School in Walla Walla, WA. During the presentations, speakers from DOE-RL and DOE-ORP discussed Hanford's history, current cleanup activities, challenges, accomplishments to date and the future workforce. To date this fiscal year, thirteen presentations of this nature have been completed.

Social Media Support – MSA is providing support to DOE ORP, handling its social media accounts. In addition to posting on Facebook² and Twitter³, MSA will provide monthly analytics reports that document the number of posts, new “likes” and followers, and the size of the audience reached.

² Facebook is an American online social media site, created by the social networking service company, Facebook, Inc., based in Menlo Park, CA.

³ Twitter is an American online news and social networking service, headquartered in San Francisco, CA.



1.2 LOOK AHEAD

Data Center Relocation – To reduce the footprint at Hanford, MSA is relocating the Data Center equipment and servers to a data center location provided by Franklin County (WA) Public Utility District (FPUD). As part of the relocation, the Federal Building in Richland, WA will transition to the primary data center for the Site, with FPUD as the secondary. Transitioning primary data center responsibility will be performed on March 8-10, 2019. The work will include upgrading to all-new network backbone equipment, including network switches, routers, and firewalls. Over the next several weeks, MSA will do virtual transfers of all development, test and production servers in preparation for complete transition.

Business Management System (BMS) Upgrade – During February, the BMS Upgrade project continued integration and coordination with Hanford contractors through Enterprise Resource Planning (ERP), Business Intelligence (BI) and Project Management (Estimating and Risk) vendor demonstrations. Several vendors provided demonstrations in January and early February 2019, and final recommendations for the ERP and BI software were decided based on unified scoring criteria. All information gathered from the demonstrations, as well as a down select recommendation, will be documented in a BMS Upgrade Study to be submitted to DOE in March 2019. This supports the overall objective to establish and implement a site standardized BMS/ERP solution that consolidates the current infrastructure footprint.

2019 Health and Safety Exposition – The 2019 Hanford Site Health and Safety Exposition (EXPO) is scheduled to take place April 16 – 17, 2019 at the Trade, Recreation and Agricultural Center (TRAC) in Pasco, Washington. A vehicle accident demonstration, walking and texting maze, and presentations from the Oregon Museum of Science and Industry are among a few of the scheduled activities. Also featured will be interactive exhibits that provide information on products and services focused on maintaining a safe and healthy lifestyle, both at home and at work. RL, MSA and other Hanford contractors are collaborating efforts to plan and implement this two-day event.

Decommissioning of Underground Injection Control Wells – MSA's Long Term Stewardship (LTS) team is planning the decommissioning of Underground Injection Control (UIC) wells in Fiscal Year 2019. Location surveys and ground scans were recently completed at eleven sites in the 100-B, 100-D, 100-H, 100-F, and 100-N Areas. LTS personnel have submitted a formal request to MSA's Environmental Integration Services group to complete an ecological review, cultural resources review, and a National Environmental Policy Administration (NEPA) review screening form to



support project planning for this fieldwork. Additionally, an inactive UIC well identified near the 105-C Reactor is to be added to this project. This drywell was used during reactor operations to dispose of drinking fountain and HVAC drainage from the 1702C Guard Station. A service request was issued to perform a location survey and ground scan of the UIC well.

2.0 ANALYSIS OF FUNDS

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

Funds Source PBS	Title	MSA Expected Funding	Funds Received**	FYTD Actuals	Remaining Available Funds from Funds Received
ORP-0014	Radiological Liquid Tank Waste Stabilization and Disposition Operations	\$1,401.2	\$1,401.2	\$(1.8)	\$1,403.0
RL-0020	Safeguards & Security	\$87,896.6	\$55,775.1	\$30,727.5	\$25,047.6
RL-0040	Reliability Projects/HAMMER/ Inventory	\$3,672.0	\$3,672.0	\$1,717.2	\$1,954.8
RL-0201	Hanford Site-Wide Services	\$72,709.0	\$52,253.8	\$21,191.4	\$31,062.4
RL-0041	B Reactor	\$3,298.5	\$3,298.5	\$(1.1)	\$3,299.6
SWS	Site-Wide Services	\$213,620.9	\$119,134.1	\$70,928.2	\$48,205.9
Total		\$382,598.2	\$235,534.7	\$124,561.4	\$110,973.3

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

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

SWS = Site-Wide Services.

** Funds received through Contract Modification 777, received March 7, 2019

Based upon FY19 forecast the remaining uncosted carryover balance will fund SWS through
May 6, 2019 and RL-20 through May 28, 2019.



3.0 SAFETY PERFORMANCE

During the month of February, MSA did not have any injuries that were classified as Recordable. However, a January First Aid case was reclassified as Days Away, Restricted or Transferred (DART) when work restrictions could no longer be accommodated. As a result, the fiscal year 2019 total recordable case (TRC) rate is 0.35 and the DART rate is 0.24. 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 continues to focus on injury and illness prevention through constant communications and sharing of data analysis results from last year's actual injuries. During the past few weeks, the Hanford site has experienced both record-breaking snowfall levels and low temperatures. Although MSA remained diligent in clearing building entrances/exits/parking lots and ensured availability of foot traction devices (PPE) to all employees, five of the six First Aid cases were weather related (slips/trips/falls). These injuries were not severe in nature; as of February 25, 2019, MSA had achieved over 1.2 million safe work hours.



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

FY19 = 0.35 CY19 = 0.29

Total Recordable Case (TRC) Rate

	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
Monthly Recordable Cases	1	2	1	1	1	0	1	1	0	1	1	0
Monthly TRC Rate	0.43	1.17	0.53	0.61	0.62	0.00	0.49	0.65	0.00	0.60	0.48	0.00
Performance (3-m Average)	0.18	0.52	0.68	0.76	0.58	0.36	0.33	0.34	0.37	0.40	0.36	0.39
Performance (12-m Average)	0.60	0.65	0.64	0.65	0.65	0.54	0.46	0.46	0.41	0.41	0.45	0.45

Performance Data

	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
Monthly Recordable Cases	1	2	1	1	1	0	1	1	0	1	1	0
Monthly TRC Rate	0.43	1.17	0.53	0.61	0.62	0.00	0.49	0.65	0.00	0.60	0.48	0.00
Performance (3-m Average)	0.18	0.52	0.68	0.76	0.58	0.36	0.33	0.34	0.37	0.40	0.36	0.39
Performance (12-m Average)	0.60	0.65	0.64	0.65	0.65	0.54	0.46	0.46	0.41	0.41	0.45	0.45

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

Leading Indicator Description
TRC is a lagging indicator.

Performance Indicator Information

PI Owner:	Lanette Adams
Data Analyst:	Ron Wight
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003, Sect. 4.0
Date:	3/7/2019

Analysis
During the month of February there were no injuries classified as Recordable. However, when more medical information became available, one injury from January was reclassified from First Aid to DART. The injury occurred when an individual was operating an auger, hit a rock, and jerked their shoulder. Eventually the restrictions could no longer be accommodated and the worker had to take off work. Therefore, FYTD, MSA has experienced 3 OSHA Recordable injuries resulting in a TRC rate of 0.35.
2018 FY Recordable Cases: 10 (TRC = 0.46)
2017 FY Recordable Cases: 14 (TRC = 0.67)

- Types of injuries MSA has experienced during FY 2019 that were classified as Recordable:
 - overexertion (1), struck against (1), body motion (1)
- Body parts that have been affected FY2019:
 - arm (1), head (1), shoulder (1)

Action
Injury Prevention Actions:

- All First Aid cases are closely monitored to determine emerging trends and implement awareness activities, as warranted
- MSA continues to emphasize the importance of timely reporting for all injuries and has realized an increase of the reporting of minor injuries
- Continued activities, such as procurements for Personal Protective Equipments (PPE) and timely awareness communications during cold weather blasts and other seasonal changes
- Continued campaign to increase employee awareness of workplace hazards and the importance of safety inspections
- Issued Weekly Safety Starts that focused on heart health, PPE, proper disposal of sharp objects, and general hazard analysis.

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

	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
Monthly DART Cases	1	0	0	0	1	0	1	1	0	0	1	0
Monthly DART rate	0.43	0.00	0.00	0.00	0.62	0.00	0.49	0.65	0.00	0.00	0.48	0.00
Performance (3-m Average)	0.18	0.17	0.17	0.00	0.19	0.18	0.33	0.34	0.37	0.20	0.18	0.19
Performance (12-m Average)	0.32	0.28	0.23	0.23	0.23	0.18	0.14	0.18	0.18	0.18	0.22	0.23

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:	Ron Wight
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003, Section 4.0
Date	3/7/2019

FY19 = 0.24 **CY19 = 0.29**

Days Away, Restricted or Transferred (DART) Case Rate

Month	Monthly DART rate	Performance (3-m Average)	Performance (12-m Average)	DART Cases
Mar-18	0.43	0.18	0.32	1
Apr-18	0.00	0.17	0.28	0
May-18	0.00	0.17	0.23	0
Jun-18	0.00	0.00	0.23	0
Jul-18	0.62	0.19	0.23	1
Aug-18	0.00	0.18	0.18	0
Sep-18	0.49	0.33	0.14	1
Oct-18	0.65	0.34	0.18	1
Nov-18	0.00	0.37	0.18	0
Dec-18	0.00	0.20	0.18	0
Jan-19	0.48	0.18	0.22	1
Feb-19	0.00	0.19	0.23	0

Analysis
During the month of February, there were no injuries classified as DART. However, when more medical information became available, one injury from January was reclassified from First Aid to DART. The injury occurred when an individual was operating an auger, hit a rock, and jerked their shoulder. Eventually the restrictions could no longer be accommodated and the worker had to take off work. Therefore, FYTD, MSA has experienced two DART injuries, resulting in a case rate of 0.24.

2018 FY DART Cases: 3
2017 FY DART Cases: 10

- Types of injuries MSA has experienced during FY 2019 that were classified as DART:
 - overexertion (1), body motion (1)
- Body parts that have been affected FY2019:
 - Arm (1), Shoulder (1)

Action
Injury Prevention Actions:

- All First Aid cases are closely monitored to determine emerging trends and implement awareness activities, as warranted
- MSA continues to emphasize the importance of timely reporting for all injuries and has realized an increase of the reporting of minor injuries
- Continued activities, such as procurements for PPE and timely awareness communications during cold weather blasts and other seasonal changes
- Continued campaign to increase employee awareness of workplace hazards and the importance of safety inspections
- Issued Weekly Safety Starts that focused on heart health, PPE, proper disposal of sharp objects, and general hazard analysis.

Additional Info
None



Table 3-3. First-Aid Case Rate

Objective

Monitor the number of First Aid cases and rate as a leading indicator to DART and TRC rates for MSA and subcontractor employees.

Measure

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

Performance Thresholds

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

Performance Data

	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
First Aid Cases	7	6	9	4	11	6	6	9	7	10	5	6
Monthly First Aid Rate	3.03	3.50	4.74	2.44	6.79	2.56	2.92	5.82	3.89	6.04	2.42	4.22
Performance (3 month Average)	4.53	3.80	3.71	3.62	4.65	3.75	3.82	3.53	4.07	5.20	3.99	4.09
Performance (12 month Average)	5.57	5.49	5.44	5.04	5.18	4.82	4.67	4.29	4.17	4.27	3.97	3.90

Specific Goal to Achieve

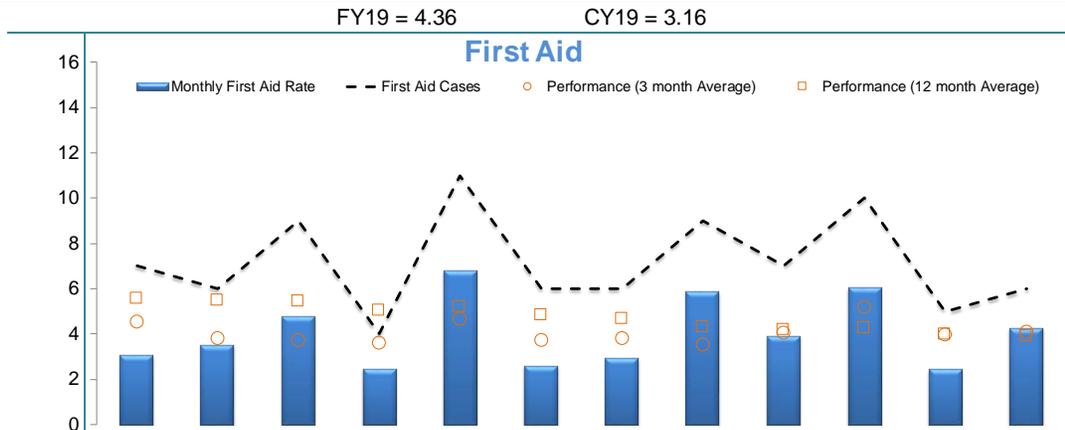
The goal is to "do work safely" and achieve target zero by reducing injuries, accidents and incidents while encouraging reporting of all minor injuries.

Leading Indicator Description

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

Performance Indicator Information

PI Owner:	Lanette Adams
Data Analyst:	Ron Wight
Data Source:	MSMET
PI Basis:	MSC-PLN-WP-003 Sect. 4.0
Date	3/7/019



Analysis

MSA experienced 6 First Aid cases in February. The injuries were caused by the following incidents: struck against (1); and, slip/trip/fall (5).

Note: When more medical information became available, one injury from January was reclassified from First Aid to DART. Therefore, January's first aid cases have been adjusted to reflect 5 instead of 6, as previously reported.

Year to date, it appears that body motion has contributed to a majority of the injuries.

- 24% by body motion, 19% contact: rub/abrade/cut), 19% by a slip/trip/fall, 14% from being struck by, 11% by overexertion, and 11% from being struck against.

- 44% arm/hand, 28% leg/foot, 14% back, 9% head.

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

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

Actions

Injury Prevention Actions:

- All First Aid cases are closely monitored to determine emerging trends and implement awareness activities, as warranted
- MSA continues to emphasize the importance of timely reporting for all injuries and has realized an increase of the reporting of minor injuries
- Continued activities, such as procurements for PPE and timely awareness communications during cold weather blasts and other seasonal changes
- Continued campaign to increase employee awareness of workplace hazards and the importance of safety inspections
- Issued Weekly Safety Starts that focused on heart health, PPE, proper disposal of sharp objects, and general hazard analysis.



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

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

CONTRACT PERFORMANCE REPORT													DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188	
FORMAT 1 - WORK BREAKDOWN STRUCTURE																
1. Contractor			2. Contract			3. Program			4. Report Period							
a. Name Mission Support Alliance			a. Name Mission Support Contract			a. Name Mission Support Contract			a. From (2018/01/28)							
b. Location (Address and Zip Code) Richland, WA 99352			b. Number RL14728			b. Phase Operations			b. To (2019/02/24)							
c. TYPE CPAF			d. Share Ratio			c. EVMS ACCEPTANCE No X Yes										
5. CONTRACT DATA																
a. QUANTITY		b. NEGOTIATED COST		c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/FEE		e. TARGET PRICE		f. ESTIMATED PRICE		g. CONTRACT CEILING		h. ESTIMATED CONTRACT CEILING	i. DATE OF OTB/OTS	
N/A		\$3,839,289		\$0		\$210,676		\$4,049,965		\$3,998,139		N/A		N/A	N/A	
6. ESTIMATED COST AT COMPLETION																
			CONTRACT BUDGET BASE (2)			VARIANCE (3)			a. NAME (Last, First, Middle Initial) Wilkinson, Robert E			b. TITLE MSC Project Manager				
a. BEST CASE			\$3,839,290						c. SIGNATURE <i>[Signature]</i>			d. DATE SIGNED 2/25/19				
b. WORST CASE			\$3,976,837													
c. MOST LIKELY			\$3,787,463			3,839,289			51,826							
8. PERFORMANCE DATA																
Item (1)	Current Period						Cumulative to Date					At Completion				
	Budgeted Cost		Actual Cost Work Performed (4)	Variance		Budgeted Cost		Actual Cost Work Performed (9)	Variance		Budgeted (12)	Estimated (13)	Variance (14)			
	Work Scheduled (2)	Work Performed (3)		Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)		Schedule (10)	Cost (11)						
a. WORK BREAKDOWN STRUCTURE ELEMENT																
3001.01.01 - Safeguards and Security	5,320	5,320	4,686	0	634	570,514	570,514	569,180	0	1,334	591,227	589,014	2,213			
3001.01.02 - Fire and Emergency Response	3,157	3,157	2,484	0	673	244,625	244,625	243,706	0	919	256,364	255,117	1,246			
3001.01.03 - Emergency Management	349	349	307	0	42	42,716	42,716	42,641	0	75	43,910	43,894	17			
3001.01.04 - HAMMER	1,010	1,010	366	0	644	69,917	69,917	68,962	0	955	72,938	71,630	1,308			
3001.01.05 - Emergency Services Management	160	160	178	0	(18)	14,373	14,373	14,632	0	(259)	15,374	15,492	(118)			
3001.02.01 - Site-Wide Safety Standards	98	98	115	0	(17)	8,100	8,100	8,708	0	(608)	8,469	9,103	(634)			
3001.02.02 - Environmental Integration	311	311	306	0	5	54,502	54,502	53,676	0	826	55,855	54,886	969			
3001.02.03 - Public Safety & Resource Protection	780	780	323	0	457	66,911	66,911	67,234	0	(323)	69,894	70,360	(465)			
3001.02.04 - Radiological Site Services	(0)	0	0	0	0	5,157	5,157	5,129	0	29	5,282	5,129	153			
3001.02.05 - WSCF Analytical Services	0	0	0	0	0	50,212	50,212	50,457	0	(244)	50,212	50,457	(244)			
3001.03.01 - IM Project Planning & Controls	90	90	81	0	9	32,751	32,751	31,885	0	866	33,058	32,195	863			
3001.03.02 - Information Systems	928	928	732	0	196	112,485	112,485	112,598	0	(112)	115,106	115,039	67			
3001.03.03 - Infrastructure / Cyber Security	1,006	1,006	722	0	284	41,662	41,662	40,886	0	776	43,881	43,490	391			
3001.03.04 - Content & Records Management	778	778	427	0	351	65,628	65,628	65,405	0	223	67,349	67,340	10			
3001.03.05 - IR/CM Management	200	200	148	0	52	12,865	12,865	12,812	0	52	13,990	13,902	88			
3001.03.06 - Information Support Services	129	129	112	0	17	13,657	13,657	13,665	0	(8)	14,099	14,100	(1)			
3001.04.01 - Roads and Grounds Services	263	263	679	0	(417)	29,322	29,322	29,421	0	(99)	31,358	31,830	(472)			
3001.04.02 - Biological Services	316	316	199	0	118	35,870	35,870	35,857	0	13	37,031	37,013	18			
3001.04.03 - Electrical Services	1,378	1,378	1,257	0	121	115,077	115,077	114,153	0	924	120,459	119,680	779			
3001.04.04 - Water/Sewer Services	1,535	1,535	1,004	0	531	123,281	123,281	121,287	0	1,994	128,279	126,305	1,974			
3001.04.05 - Facility Services	0	0	0	0	0	7,900	7,900	7,900	0	(0)	7,900	7,900	0			
3001.04.06 - Transportation	30	30	25	0	5	10,628	10,628	10,557	0	71	10,729	10,658	71			



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

CONTRACT PERFORMANCE REPORT														DOLLARS IN Thousands			FORM APPROVED OMB No. 0704-0188	
FORMAT 1 - WORK BREAKDOWN STRUCTURE																		
1. Contractor		2. Contract				3. Program				4. Report Period								
a. Name Mission Support Alliance		a. Name Mission Support Contract				a. Name Mission Support Contract				a. From (2018/01/28)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728				b. Phase Operations				b. To (2019/02/24)								
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	7,220	7,220	7,322	0	(102)	7,220	7,322	(102)					
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	11	11	2	0	9	644	644	599	0	45	680	668	12					
3001.04.10 - Technical Services	460	460	252	0	207	47,845	47,845	47,668	0	177	49,594	49,500	94					
3001.04.11 - Energy Management	120	120	146	0	(26)	11,122	11,122	11,163	0	(41)	11,607	11,571	36					
3001.04.12 - Hanford Historic Buildings Preservation	235	235	108	0	127	24,294	24,294	23,646	0	649	25,121	24,498	623					
3001.04.13 - Work Management	143	143	90	0	53	16,766	16,766	16,346	0	420	17,244	16,819	424					
3001.04.14 - Land and Facilities Management	817	817	432	0	385	45,134	45,134	43,712	0	1,422	48,036	46,833	1,203					
3001.04.15 - Mail & Courier	52	52	57	0	(5)	6,762	6,762	6,845	0	(83)	6,932	7,017	(85)					
3001.04.16 - Property Systems/Acquisitons	722	722	457	0	264	57,634	57,634	56,938	0	697	60,097	59,398	699					
3001.04.17 - General Supplies Inventory	45	45	(7)	0	52	1,670	1,670	1,354	0	316	1,825	1,404	421					
3001.04.18 - Maintenance Management Program Implementation	68	68	63	0	4	9,916	9,916	10,124	0	(208)	10,147	10,357	(210)					
3001.06.01 - Business Operations	682	682	(151)	0	834	53,190	53,190	14,441	0	38,749	56,490	17,959	38,530					
3001.06.02 - Human Resources	280	280	203	0	77	25,427	25,427	23,377	0	2,050	26,395	24,384	2,012					
3001.06.03 - Safety, Health & Quality	1,538	1,538	1,181	0	357	171,978	171,978	170,465	0	1,513	177,489	176,399	1,090					
3001.06.04 - Miscellaneous Support	326	326	262	0	64	51,593	51,593	51,970	0	(377)	52,707	53,147	(440)					
3001.06.05 - Presidents Office (G&A nonPMB)	0	0	0	0	0	16	16	16	0	0	16	16	0					
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	255	255	184	0	71	58,394	58,394	58,073	0	321	59,268	58,963	305					
3001.08.01 - Water System	1,680	396	560	(1,284)	(165)	40,848	38,010	24,380	(2,838)	13,630	43,882	28,555	15,327					
3001.08.02 - Sewer System	0	82	170	82	(88)	16,661	16,259	18,867	(401)	(2,608)	16,661	19,631	(2,970)					
3001.08.03 - Electrical System	1,336	864	223	(471)	641	21,616	20,164	20,474	(1,452)	(310)	22,910	22,855	55					
3001.08.04 - Roads and Grounds	0	0	0	0	0	9,137	9,137	8,533	0	604	9,153	9,274	(121)					
3001.08.05 - Facility System	197	94	53	(103)	41	10,395	10,250	10,326	(145)	(76)	11,307	11,899	(592)					
3001.08.06 - Reliability Projects Studies & Estimates	1,024	1,024	732	0	292	18,902	18,902	20,113	0	(1,211)	21,515	22,720	(1,206)					
3001.08.07 - Reliability Project Spare Parts Inventory	118	118	0	0	118	3,826	3,826	3,441	0	384	4,179	3,812	368					
3001.08.08 - Network & Telecommunications System	413	404	693	(9)	(289)	25,681	25,604	27,780	(77)	(2,177)	27,168	29,325	(2,157)					
3001.08.09 - Capital Equipment Not Related to Construction	0	5	0	5	5	12,008	12,008	10,835	0	1,173	13,318	10,835	2,483					
3001.08.10 - WSCF - Projects	0	0	0	0	0	979	979	810	0	169	979	810	169					
3001.08.11 - Support of Infrastructure Interface to ORP	0	0	0	0	0	994	994	775	0	219	994	775	219					
3001.08.12 - Reliability Projects Out Year Planning	0	0	0	0	0	0	0	0	0	0	6,246	4,993	1,253					
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)																		
	28,358	26,578	19,863	(1,780)	6,715	2,489,387	2,484,473	2,421,726	(4,913)	62,747	2,593,102	2,527,432	65,670					



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

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE													DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188	
1. Contractor		2. Contract			3. Program				4. Report Period							
a. Name Mission Support Alliance		a. Name Mission Support Contract			a. Name Mission Support Contract				a. From (2018/01/28)							
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations				b. To (2019/02/24)							
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	Variance		Budgeted Cost		Actual Cost	Variance		Budgeted (12)	Estimated (13)	Variance (14)			
	Work Scheduled (2)	Work Performed (3)	Work Performed (4)	Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)	Work Performed (9)	Schedule (10)	Cost (11)						
a2. WORK BREAKDOWN STRUCTURE ELEMENT																
3001.01.04 - HAMMER	1,304	1,304	1,104	0	200	138,066	138,066	137,935	0	131	142,544	142,871	(328)			
3001.02.04 - Radiological Site Services	730	730	736	0	(6)	60,914	60,914	60,762	0	151	63,955	63,323	631			
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	224	224	212	0	12	7,810	7,810	7,746	0	64	8,549	8,491	57			
3001.03.04 - Content & Records Management	65	65	52	0	13	2,400	2,400	2,390	0	10	2,616	2,619	(3)			
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	2,143	2,143	1,510	0	633	85,674	85,674	84,622	0	1,052	96,053	95,333	720			
3001.04.05 - Facility Services	1,101	1,101	846	0	255	78,398	78,398	78,398	0	14	81,618	81,488	131			
3001.04.06 - Transportation	502	502	340	0	162	49,255	49,255	48,900	0	355	51,125	51,498	(373)			
3001.04.07 - Fleet Services	1,342	1,342	1,063	0	280	138,855	138,855	138,709	0	146	143,434	143,747	(313)			
3001.04.08 - Crane and Rigging	1,064	1,064	708	0	356	116,785	116,785	116,191	0	595	120,342	119,556	786			
3001.04.10 - Technical Services	242	242	189	0	53	7,624	7,624	7,540	0	84	8,443	8,393	50			
3001.04.13 - Work Management	46	46	38	0	8	4,001	4,001	3,967	0	35	4,159	4,140	19			
3001.04.14 - Land and Facilities Management	808	808	692	0	115	67,778	67,778	67,639	0	138	70,410	70,261	148			
3001.04.15 - Mail & Courier	18	18	15	0	3	1,595	1,595	1,592	0	3	1,656	1,653	3			
3001.06.01 - Business Operations	764	764	660	0	105	106,759	106,759	106,396	0	363	109,593	109,647	(54)			
3001.06.02 - Human Resources	328	328	256	0	72	29,565	29,565	29,415	0	150	30,631	30,513	118			
3001.06.03 - Safety, Health & Quality	173	173	79	0	94	14,661	14,661	14,253	0	408	15,251	14,621	630			
3001.06.04 - Miscellaneous Support	199	199	226	0	(27)	16,778	16,778	17,365	0	(588)	17,456	18,229	(773)			
3001.06.05 - Presidents Office (G&A nonPMB)	254	254	209	0	45	26,108	26,108	25,830	0	278	27,031	26,882	148			
3001.06.06 - Strategy	21	21	8	0	12	2,939	2,939	2,902	0	37	3,009	2,963	46			
3001.A1.01 - Transfer - CHPRC	5,572	5,572	4,818	0	753	669,693	669,693	671,499	0	(1,806)	688,365	691,793	(3,428)			
3001.A1.02 - Transfer - WRPS	4,675	4,675	3,802	0	873	303,017	303,017	303,506	0	(489)	318,684	320,307	(1,624)			
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	27	27	9	0	18	3,304	3,304	3,284	0	20	3,394	3,345	49			
3001.A2.02 - Non Transfer - AMH	(1)	(1)	0	0	(1)	958	958	954	0	3	954	954	0			
3001.A2.03 - Non Transfer - ATL	(1)	(1)	0	0	(1)	706	706	702	0	4	702	702	0			
3001.A2.04 - Non-Transfer - WCH	(22)	(22)	0	0	(22)	41,096	41,096	41,726	0	(630)	41,022	41,726	(704)			
3001.A2.05 - Non-Transfers - HPM	43	43	52	0	(9)	2,951	2,951	3,028	0	(77)	3,096	3,194	(98)			
3001.A2.06 - Non-Transfers - BNI Corp	0	0	0	0	0	1	1	1	0	0	1	1	0			
3001.A2.07 - Non-Transfers-WAI	40	40	21	0	19	1,071	1,071	1,056	0	15	1,206	1,158	48			
3001.A4.01 - Request for Services	480	480	499	0	(19)	107,956	107,956	112,142	0	(4,186)	109,565	114,010	(4,444)			
3001.A4.02 - HAMMER RFSS	211	211	109	0	102	29,601	29,601	33,518	0	(3,917)	30,308	34,022	(3,714)			
3001.A4.03 - National Guard RFSS	(0)	(0)	0	0	(0)	1,551	1,551	1,550	0	1	1,551	1,550	1			
3001.A4.04 - PNNL RFSS	(117)	(117)	31	0	(147)	11,073	11,073	12,275	0	(1,202)	10,682	12,397	(1,716)			
3001.A5.01 - RL PD	25	25	26	0	(1)	6,376	6,376	6,462	0	(86)	6,458	6,536	(78)			
3001.A5.02 - ORP PD	30	30	33	0	(3)	8,131	8,131	8,099	0	32	8,232	8,178	54			



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

CONTRACT PERFORMANCE REPORT													DOLLARS IN Thousands			FORM APPROVED OMB No. 0704-0188	
FORMAT 1 - WORK BREAKDOWN STRUCTURE																	
1. Contractor			2. Contract			3. Program			4. Report Period								
a. Name			a. Name			a. Name			a. From (2018/01/28)								
b. Location (Address and Zip Code)			b. Number			b. Phase			b. To (2019/02/24)								
Richland, WA 99352			c. TYPE			d. Share Ratio			c. EVMS ACCEPTANCE								
Item (1)	Current Period			Variance			Cumulative to Date			At Completion							
	Budgeted Cost		Actual Cost	Schedule		Cost	Budgeted Cost		Actual Cost	Variance		Budgeted	Estimated	Variance			
	Work Scheduled (2)	Work Performed (3)	Work Performed (4)	(5)	(6)	Work Scheduled (7)	Work Performed (8)	Work Performed (9)	(10)	(11)	(12)	(13)	(14)				
3001.A5.03 - RL Project Funded	676	676	263	0	413	13,114	13,114	13,150	0	(35)	15,381	13,840	1,541				
3001.A5.04 - ORP Project Funded	114	114	210	0	(96)	5,321	5,321	5,217	0	104	5,702	5,450	252				
3001.A6.01 - Portfolio PMTOs	31	31	16	0	15	908	908	900	0	9	1,012	1,138	(126)				
3001.A7.01 - G&A Liquidations	(1,994)	(1,994)	(1,786)	0	(209)	(206,064)	(206,064)	(205,366)	0	(698)	(213,123)	(213,570)	447				
3001.A7.02 - DLA Liquidations	(1,865)	(1,865)	(1,406)	0	(459)	(138,103)	(138,103)	(136,900)	0	(1,203)	(144,051)	(143,162)	(889)				
3001.A7.03 - Variable Pools Revenue	(7,449)	(7,449)	(7,281)	0	(168)	(670,162)	(670,162)	(671,313)	0	1,151	(699,027)	(697,966)	(1,061)				
3001.B1.01 - UBS Assessments for Other Providers	(0)	(0)	0	0	(0)	1	1	0	0	1	0	0	0				
3001.B1.02 - UBS Other MSC - HAMMER M&O	(1)	(1)	0	0	(1)	3	3	0	0	3	0	0	0				
3001.B1.03 - Assessment for Other Provided Services	(8)	(8)	0	0	(8)	28	28	0	0	28	1	0	1				
3001.B1.04 - Assessment for PRC Services to MSC	(4)	(4)	0	0	(4)	16	16	0	0	16	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											0	0	0				
e2. SUBTOTAL (Non - Performance Measurement Baseline)	11,789	11,789	8,360	0	3,429	1,205,973	1,205,973	1,215,488	0	(9,514)	1,245,448	1,259,292	(13,844)				
f. MANAGEMENT RESERVE											740	740	0				
g. TOTAL	40,146	38,366	28,223	(1,780.0)	10,144	3,695,360	3,690,447	3,637,214	(4,913)	53,233	3,839,290	3,787,463	51,826				
9. RECONCILIATION TO CONTRACT BUDGET BASE																	
a. VARIANCE ADJUSTMENT																	
b. TOTAL CONTRACT VARIANCE																	



5.0 FORMAT 3, DD FORM 2734/3, BASELINE

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

CONTRACT PERFORMANCE REPORT													FORM APPROVED OMB No. 0704-0188			
FORMAT 3 - BASELINE													DOLLARS IN Thousands			
1. Contractor		2. Contract			3. Program			4. Report Period								
a. Name Mission Support Alliance		a. Name Mission Support Contract			a. Name Mission Support Contract			a. From (2018/01/28)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2019/02/24)								
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No X Yes											
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST \$2,854,966			b. NEGOTIATED CONTRACT CHANGES \$984,323		c. CURRENT NEGOTIATED COST (a+b) \$3,839,289		d. ESTIMATED COST OF UNAUTHORIZED UNPRICED WORK \$0			e. CONTRACT BUDGET BASE (C+D) \$3,839,289		f. TOTAL ALLOCATED BUDGET \$3,839,290		g. DIFFERENCE (E - F) \$0		
h. CONTRACT START DATE 2009/05/24			i. CONTRACT DEFINITIZATION DATE 2009/05/24			j. PLANNED COMPLETION DATE 2019/05/25			k. CONTRACT COMPLETION DATE 2019/05/25		l. ESTIMATED COMPLETION DATE 2019/05/25					
6. PERFORMANCE DATA																
(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 FY19 (14)	UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)	
			MAR FY19 (4)	APR FY19 (5)	MAY FY19 (6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)				
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	2,461,030	26,685	27,375	26,743	44,201										2,753	2,588,787
b. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	28,358	(26,685)	2,563	1,527	729	0	0	0	0	0	0	0	0	0	(2,176)	4,315
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	2,489,387		29,938	28,270	44,930										577	2,593,102



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

DOLLARS IN Thousands													FORM APPROVED OMB No. 0704-0188			
1. Contractor		2. Contract			3. Program			4. Report Period								
a. Name Mission Support Alliance		a. Name Mission Support Contract			a. Name Mission Support Contract			a. From (2018/01/28)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2019/02/24)								
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No <input checked="" type="checkbox"/> Yes											
6. PERFORMANCE DATA																
ITEM (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)										Remaining FY19 (14)	UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)	
			Six Month Forecast By Month													
			MAR FY19 (4)	APR FY19 (5)	MAY FY19 (6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)				
a2. NON - PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	1,194,185	11,789	12,564	12,300	14,611										0	1,245,448
b2. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	11,789	(11,789)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c2. NON - PERFORMANCE MEASUREMENT BASELINE (End of Period)	1,205,973		12,564	12,300	14,611										0	1,245,448
7. MANAGEMENT RESERVE																740
8. TOTAL	3,695,361	0	42,501	40,569	59,542	0	0	0	0	0	0	0	0	577	3,839,290	



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 (2019/01/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728	b. Phase - Operations	b. To (2019/02/24)
	c. Type CPAF	d. Share Ratio NO X YES	
5. Evaluation			

Explanation of Variance /Description of Problem:

Current Month Cost Variance (CV): 3001.01.01 Safeguards and Security – Favorable CM CV is primarily due to adverse weather conditions which caused several work delays and site closures.

3001.01.02 Fire and Emergency – Favorable CM CV is primarily due to adverse weather conditions that caused several work delays and site closures. Fire and Emergency deferred a computer-aided dispatch software/hardware upgrade and training conducted by offsite subcontractors.

3001.01.04 HAMMER – Favorable CM CV is primarily due to adverse weather conditions that caused several work delays and site closures, and deferring Burn Building upgrades until April.

3001.02.03 Public Safety & Resource Protection – Favorable CM CV is primarily due to Air Modeling scope clarifications resulting in forecasting this scope to complete in November 2019 under carryover funding.

3001.03.03 Infrastructure/Cyber Security – Favorable CM CV is primarily due to Cyber Security to adverse weather conditions that caused several work delays and site closures.

3001.03.04 Content & Record Management – Favorable CM CV is primarily due to adverse weather conditions that caused several work delays and site closures, and procurement delays from February to March/April.

3001.04.01 Roads and Grounds Services – Unfavorable CM CV is primarily due to adverse weather conditions that caused several work delays and site closures requiring increased labor and materials.

3001.04.04 Water/Sewer Services – Favorable CM CV is primarily due to adverse weather conditions that caused several work delays and site closures deferring Corrective Maintenance, a slow ramp up of field execution for Water and Sewer CM, and Engineering staff turnover.

3001.04.14 Land and Facilities Management – Favorable CM CV is primarily due to adverse weather conditions that caused several work delays and site closures and no need for support from TO70/Instrument Technicians.

3001.04.16 Property Systems/Acquisitions – Favorable CM CV is primarily due to utilizing recourses in different months than was planned in the baseline.



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 (2019/01/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/02/24)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

3001.06.01 Business Integration & Operations – Favorable CM CV is primarily due to a one-time settlement on the overtime-training issue.

3001.06.03 Safety, Health & Quality – Favorable CM CV is primarily due to adverse weather conditions that caused several work delays and site closures.

3001.08.03 Electrical System – Favorable CM CV is primarily due to new project H-006 “10-CFR-851” because FY 2018/2019 actual costs were transferred from various MSA collection centers into this project per CBAG Revision 2A, and other incurred preliminary planning costs. This is a current month point-adjust issue and CTD CV is insignificant.

3001.08.06 Reliability Projects Studies and Estimates - Favorable CM CV is due to adverse weather conditions that caused several work delays and site closures deferring staff preparation of studies, estimates and planning.

3001.08.08 Network & Telecommunications System – Unfavorable CM CV is primarily due to H-003 “ABCASH” where financial rules on cost transfers required the accrual reversal to remain in the prior Work Breakdown Structure (WBS), causing a CM overrun in this WBS and an offsetting underrun in the other WBS.

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

3001.A1 – 3001.B1 Non-PMB – Favorable CM CV is primarily due to inclement weather resulting in less labor charged than planned.

Impacts – Current Month Cost Variance:
There are no significant impacts associated with this favorable CM CV.

Corrective Action – Current Month Cost Variance: None



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

1. Contractor	2. Contract		3. Program	4. Report Period
a. Name Mission Support Alliance	a. Name Mission Support Contract		a. Name Mission Support Contract	a. From (2019/01/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/02/24)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Current Month Schedule Variance:

3001.08.01 Water System – Unfavorable CM SV is primarily due to project L-894 “Raw Water Cross Connect Isolation 200E/W” because snow cover and frozen ground caused a slip in construction activities. L-895, “Fire Protection Infrastructure for PRW” incurred delays in fabrication and subsequent receipt of long lead-time pump and variable frequency drives (VFDs). In addition, some construction subcontract delays caused late approvals of the Statement of Work (SOW) and the extension of bid proposal times in the procurement of the construction subcontract. Adverse weather conditions also caused several work delays and site closures.

3001.08.02 Sewer System - Favorable CM SV is due to project L-854 “200E Sewer Consolidations”. The project planned work for a prior month but performed it in the current month.

3001.08.03 Electrical System – Unfavorable CM SV is due to project H-006 “10 CFR 851” due to multiple cost transfers from prior cost collection points occurring, which is making it difficult to accurately assess actual performance. Performance should be reconciled and back on schedule by March.

3001.08.05 Facility System – Unfavorable CM SV is due to adverse weather conditions that caused several work delays and site closures on project L-906 “HFD Station 92 Expansion” causing late issuance of the design services request for proposal.

Impacts – Current Month Schedule Variance: None.

Corrective Action – Current Month Schedule Variance: None.

Cumulative Cost Variance:

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

3001.08.01 Water System - Favorable CTD CV is due to project L-894 “Raw Water Cross



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 (2019/01/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/02/24)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				
<p>3001.08.01 Water System - Favorable CTD CV is due to project L-894 "Raw Water Cross Connect Isolation 200 E/W". The Engineering Study report cost less than planned, conceptual design utilized fewer resources than originally planned, the Definitive Design experienced cost underruns, the Fleet Shops Study transferred to PBS RL-040, and the construction contract award was less than the planned value. Completed projects with CTD CV include the following:</p> <ul style="list-style-type: none"> a) Project L-419 "Line Renovation/Replacement from 2901U to 200E" had a fixed price contract, which was awarded/completed at a lower cost than budgeted b) 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 c) L-894 "Raw Water Cross Connect Isolation 200E/W" due to the Engineering Study costing less than planned, conceptual design being performed with less resources, a Definitive Design underrun and the construction contract being awarded for less than planned. d) Projects L-399 "T-Plant Potable & Raw Water Line Rest", L-525 "24-inch Line Replacement from 2901Y to 200W", and L-311 "Refurbish 200W Raw Water Reservoir" also contributed to this favorable variance. <p>3001.A1 – 3001.B1 Non-PMB - Note that for the non-PMB, the WBS elements 3001.01.04 - 3001.06.06 represent the Usage-Based Pool, General and Administrative (G&A), and Direct Labor Adder (DLA) accounts that are offset by the liquidation of services to customers through WBS 3001.A7.01 – 3001.A7.03.</p> <p>3001.A1 – 3001.B1 Non-PMB – Unfavorable CTD CV is primarily due to inclement weather resulting in less labor charged than planned.</p> <p>3001.A4 Request For Services (Non-PMB) – The negative cost variances for Request for Services (RFS) are primarily due to the amount of services requested in FY 2017 that were higher than the baseline amount. The MSA letter MSA-1804933, <i>Request for Not to Exceed</i>, dated November 27, 2018 did not address the FY 2017 RFS variance. MSA submitted a proposal to address this variance on February 21, 2019.</p> <p>Impacts - Cumulative Cost Variance: The overall positive cost variance is primarily due to credits associate with affiliate fee for IT scope and training on overtime. MSA does not anticipate resolution of the affiliate fee on IT scope during FY 2019.</p> <p>Corrective Action - Cumulative Cost Variance: MSA submitted a proposal to address the RFS variance on February 21, 2019.</p>				



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 (2019/01/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/02/24)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Cumulative Schedule Variance:

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

- a. L-895, “Fire Protection Infrastructure for Plateau Raw Water” unfavorable CTD SV is primarily due to adverse weather conditions that caused several work delays and site closures. This caused delays in fabrication and the subsequent receipt of long lead pump and variable frequency drives (VFDs), as well as some delay because of late approvals of the Statement of Work (SOW) and the extension of bids in the procurement of the construction subcontract. Once awarded the construction contract allowed scheduling for field activities in fiscal month February with long lead procurement projected for receipt in fiscal month March.
- b. L-894, “Raw Water Cross Connection Isolation 200E/W” favorable CTD SV is chiefly due to the procurement and delivery of the 30-inch pipe earlier than scheduled.
- c. L-357, “Replace 12” Potable Water Line to 222-S Lab” unfavorable CTD SV is due to delays in approving the Washington Administrative Code (WAC) Project Report, which delayed award of the construction subcontract and subsequent construction activities.
- d. L-849, “Replace 200E 1.1M-gal PW Tank” unfavorable CTD SV is due to additional analysis of firewater demands on the Central Plateau, which delayed design progress. The project initiated action to expedite design activities to recover schedule as shown in the critical path analysis. The SV is largely unrecoverable during current baseline design activities. There is no current impact to the construction schedule because there is no funding for construction in FY 2019.

3001.08.02 Sewer System – Unfavorable CTD SV on project L-854, “200E Sewer Consolidations” is due to re-planning of pipe and structure installation for Phases 5 and 6 to accommodate the operation schedule of other Hanford contractors. In addition, engineering evaluation delays created approval delays for design submittals affecting completion of subsequent construction activities.

3001.08.03 Electrical System – Unfavorable CTD SV is due to the following projects:

- a. L-801, “Upgrade SCADA” unfavorable CTD SV is because Contracts directed creation of a new Request for Proposal (RFP) Statement of Work (SOW) to be re-competed from the end of the original contract (definitive design through installation and project closeout). This decision process to re-compete took six weeks to develop and the project was unable to move forward. The estimate for the procurement process is eight weeks.



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 (2019/01/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/02/24)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

b. H-006 "10 CFR 851" unfavorable CTD SV is due to difficulties in verifying all of the scopes transferred from prior organizations have been accounted for. By March, the project expects to be reconciled.

c. L-791, "RFL Transfer Trip Upgrades" unfavorable CTD SV is due to resolution of Other Hanford Contractor interface issues and because certain requirements had changed the plan. The issues have been resolved and the project has implemented corrective actions to recover some schedule slippage during the construction phase. Adverse weather conditions aggravated existing work delays.

3001.08.05 Facility System – Unfavorable CTD SV is because L-906 "HFD Station 92 Expansion" experienced late issuance of the design services request for proposal due to adverse weather conditions that delayed the bid/ evaluation/award process. Project L-888 "400 Area Fire Station" had a late start on the ground scan under Design Development. The project may recover the schedule variance if the construction contractor can perform the ground scan when it is due.

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

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

Variance at Complete:

The current favorable VAC in the Performance Measurement Baseline (PMB) is primarily due to the Affiliate Fee & Overtime credits. The Non-PMB unfavorable VAC is primarily due to Request for Services (RFS) customers requesting support services above the amounts estimated in the baseline for FY 2017.

Impacts – At Complete Variance:

None.

Corrective Action - At Complete Variance:

MSA submitted a contract proposal to address the cost variances for the FY 2017 RFS accounts on February 21, 2019. MSA does not anticipate resolution of the affiliate fee on IT scope during FY 2019.

Negotiated Contract Changes:

The Negotiated Contract Cost for February 2019 remained the same at \$3,839.3M.



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 (2019/01/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/02/24)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Changes in Estimated Cost of Authorized Unpriced Work:

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

Changes in Estimated Price:

The Estimated Price for February 2019 had a decrease of \$14.9M from 4,013.0M to \$3998.1M. The Estimated Price includes the Most Likely Management Estimate at Completion (MEAC) of \$3,787.4M and fee of \$210.7M.

Differences between Current Month and Prior Month EAC's Format 1, Column (13) (e):

During this reporting period, the Estimate at Completion (EAC) decreased by \$14.9M from \$3,802.4M to \$3,787.5M: (\$10.8M) in the Performance Measurement Baseline (PMB), \$0.2M in the non-PMB and (\$4.3M) in Management Reserve (MR). The MSC currently ends on May 25, 2019. The forecast for 10 CFR 851 Reliability Project and MR decreased significantly in February. Additionally, because of adverse weather conditions causing several work delays and closures, the forecasts through the end of May 2019 decreased approximately \$14.9M.

For example, multiple Reliability Projects are currently projecting to extend beyond May 2019; Emergency Services are projecting underruns in labor due to attrition, weather delays, and postponing the start of the new firefighter training class. Emergency Services has projected underruns to Safeguards and Security upgrades and delays to HSPD-12 procurements. Other Functional Service Areas are also experiencing reductions to their forecasts through May 2019 due to adverse weather. MSA is currently evaluating the rate impacts from these delays and will update the forecasts with the results of this rate analysis in March 2019.

Changes in Undistributed Budget:

The Undistributed Budget for this reporting period decreased from \$2.8M to \$0.6M. The decrease was due to BCR VMSA-19-015 Rev 3, which moved budget from contract modification 760 for 10 CFR 851 from Undistributed Budget, and detail planned the budget into the baseline.



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 (2019/01/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number - RL14728		b. Phase - Operations	b. To (2019/02/24)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				

Changes in Management Reserve:

The MR for this reporting period decreased from \$5.0M to \$0.7M. The decrease is due to BCR VMSA-19-022, which allocated budget to higher priority RL-20 and SWS work scope that was in the scope of the contract, but not in the PMB.

Differences in the Performance Measurement Baseline:

This reporting period the Performance Measurement Baseline increased by \$4.3M from \$2,588.8M to \$2,593.1M. The increase was primarily due to BCR VMSA-19-022, which transferred budget from MR into the PMB for higher priority work scope that was in the contract, but not in the PMB. Several examples include replacing Hanford Fire Department bunker gear, uniforms and equipment; procurement of security, BMS and records management software licenses, single mode fiber and equipment for network expansion, open text auto classification module; replacing 1986 Cat road grader and replacement generators for WYE and Rattlesnake barricades; and GPS equipment.

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

- VMSA-19-015 Rev 3 – Create One Level 4 and Twenty-Four Level 5 WBSs for H-006, 10 CFR 851 and Move Mod 760 Budget from SWS Undistributed Budget
- VRL0201RP-19-011 – Move Budget to L-859 for Construction Restart (PUREX Tunnel Hold) from Reliability Project Out-Year Planning Package

Differences in the Non - Performance Measurement Baseline:

This reporting period the Non-PMB remained at \$1,245.4M.

Best/Worst/Most Likely Management Estimate at Completion (MEAC):

The Best Case MEAC assumes the completion of the approved work scope at the current negotiated contract value consistent with the Contract Budget Base. The Most Likely MEAC reflects the EAC including MR. The Worst Case Scenario assumes a 5 percent increase to the Most Likely MEAC case scenario.

7.0 USAGE-BASED SERVICES/DIRECT LABOR ADDER SUMMARY

The Direct Labor Adder (DLA) collects the cost of centralized management, support from others, craft indirect time, and non-labor cost such as training and facilities. These costs are distributed via a rate on direct labor. Usage-Based Services (UBS) are services liquidated to customers (internal and external). The UBS cost is associated with a service and distributed on a unit rate to the customer based upon requests (“pay by the drink”).

Table 7-1. Usage-Based Services/Direct Labor Adder Summary (dollars in thousands).

Fiscal Year 2019 to Date – February 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
Direct Labor Adder					
Software Engineer Services DLA (3001.03.02.03)	\$1,269.0	\$1,269.0	\$1,066.2	\$202.8	\$(1,037.4)
Content & Records Management DLA (3001.03.01.04)	\$172.6	\$172.6	\$318.2	\$(145.6)	\$(309.6)
Transportation DLA (3001.04.06.02)	\$12,304.4	\$12,304.4	\$2,202.8	\$10,101.6	\$(2,737.5)
Maintenance DLA (3001.04.05.02)	\$12,030.2	\$12,030.2	\$4,043.0	\$7,987.2	\$(3,747.5)
Janitorial Services DLA (3001.04.05.03)	\$818.9	\$818.9	\$532.0	\$286.9	\$(488.5)
Total Direct Labor Adder	\$26,595.1	\$26,595.1	\$8,162.2	\$18,432.9	\$(8,320.5)

ACWP = Actual Cost of Work Performed. CV = Cost Variance BAC = Budget at Completion. FYTD = Fiscal Year to Date
 BCWP = Budgeted Cost of Work Performed. BCWS = Budgeted Cost of Work Scheduled.



Table 7-1, cont. Usage-Based Services/Direct Labor Adder Summary (dollars in thousands).

Fiscal Year 2019 to Date – February 2019					
Account Description	BCWS	BCWP	ACWP	CV	Liquidation
Usage Based Services					
Training (3001.01.04.02)	\$20,548.5	\$20,548.5	\$6,324.8	\$14,223.7	\$(7,129.7)
HRIP (3001.02.04.02)	\$(2,272.2)	\$(2,272.2)	\$1,533.2	\$(3,805.4)	\$(1,672.7)
Dosimetry (3001.02.04.03)	\$(780.2)	\$(780.2)	\$2,157.2	\$(2,937.4)	\$(2,665.6)
Information Technology Services (3001.03.07.01)	\$14,171.2	\$14,171.2	\$11,548.8	\$2,622.4	\$(13,089.5)
Work Management (3001.04.13.01)	\$1,325.6	\$1,325.6	\$199.7	\$1,125.9	\$(235.4)
Courier Services (3001.04.15.02)	\$76.4	\$76.4	\$88.7	\$(12.3)	\$(88.6)
Occupancy (3001.04.14.06)	\$9,801.9	\$9,801.9	\$1,655.9	\$8,146.0	\$(1,926.2)
Crane & Rigging (3001.04.08.02)	\$10,666.4	\$10,666.4	\$4,583.7	\$6,082.7	\$(4,674.5)
Guzzler Trucks (3001.04.06.03)	\$(167.4)	\$(167.4)	\$-	\$(167.4)	\$-
Fleet (3001.04.07.02)	\$24,973.0	\$24,973.0	\$6,532.4	\$18,440.6	\$(6,562.1)
Total UBS	\$78,343.2	\$78,343.2	\$34,624.4	\$43,718.8	\$(38,044.3)
Total DLA / UBS	\$104,938.3	\$104,938.3	\$42,786.6	\$62,151.7	\$(46,364.8)

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

FYTD Variance – Variance \$62.2M – February’s favorable cost variance a result of BCWS point adjustments in the prior months involving the FY 2018/FY 2019 Pension Proposal Contract Mod and the Contract Mod 760, which incorporated the FY 2017-FY 2019 Cost Variance and Request for Equitable Adjustment Proposal. These multi-year impacts, now reflected in the FY 2019 FYTD BCWS, have resulted in the current substantial FY 2019 favorable variance. The largest impacts are seen in Fleet Services, Training, Occupancy, and Transportation.



8.0 RELIABILITY PROJECT STATUS

Activity in February was centered on continuing progress on projects carried over from FY 2018. (Table 8-1 below.)

Table 8-1. Current Active Reliability Project Summary

Projects to be Completed (\$000's)															
Work Scope Description (Reliability Projects)	Contract to Date - Performance							Project Lifecycle				Completion Dates			VAC Cost
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC (thru May 2019)*	VAC	% Complete	Baseline Complete Date	Forecast Date	Schedule at Complete	
L-850, Replace 200W 1.1M-gal PW Tank	778.1	758.4	757.2	(19.7)	1.3	1.0	1.0	778.1	793.7	(15.6)	97.5%	11/05/18	4/18/19	R	G
L-849, Replace 200E 1.1M-gal PW Tank	767.3	486.9	516.1	(280.4)	(29.3)	0.6	0.9	767.3	680.0	87.2	63.5%	11/05/18	7/11/19	R	G
L-894, Raw Water Cross Connection Isolation 200E/W	6,694.2	7,273.7	5,693.2	579.5	1,580.5	1.1	1.3	8,012.4	5,939.3	2,073.1	90.8%	5/06/19	8/06/19	R	G
L-895, Fire Protection Infrastructure for Plateau Raw Water	3,192.0	1,088.6	1,401.5	(2,103.4)	(313.0)	0.3	0.8	3,570.6	3,502.1	68.5	30.5%	3/21/19	8/28/19	R	G
L-357, Replace 12" Potable Water Line to 222-S Lab	1,654.4	908.9	883.0	(745.5)	25.9	0.5	1.0	1,654.4	1,349.0	305.4	54.9%	1/03/19	7/15/19	R	G
L-781, 181D Vertical Turbine Pumps	172.5	18.2	28.3	(154.3)	(10.1)	0.1	0.6	605.7	303.7	302.0	3.0%	5/23/19	6/26/19	Y	G
L-897, Central Plateau Water Treatment Facility	1,430.8	1,470.9	1,285.0	40.1	185.9	1.0	1.1	1,901.3	1,915.2	(13.9)	77.4%	5/23/19	7/25/19	R	G
L-826, 181B Vertical Turbine Pumps	172.5	18.2	22.1	(154.3)	(3.9)	0.1	0.8	605.7	277.6	328.1	3.0%	5/23/19	6/26/19	Y	G
L-853, 200E Sewer Flow Equalization Facility	5,713.1	5,644.1	5,663.5	(69.0)	(19.4)	1.0	1.0	5,713.2	6,045.7	(332.5)	98.8%	1/28/19	4/16/19	R	R
L-854, 200E Sewer Consolidations	5,640.9	5,308.9	4,703.2	(332.0)	605.7	0.9	1.1	5,641.0	5,084.8	556.2	94.1%	1/08/19	5/20/19	R	G
L-789, Prioritize T&D Sys Wood PP Test & Replace	2,221.7	2,213.2	2,130.8	(8.5)	82.4	1.0	1.0	2,505.6	2,419.9	85.7	88.3%	5/23/19	6/20/19	Y	G
L-612, 230kV Transmission System Reconditioning and Sustainability Repairs	1,207.0	1,201.6	988.8	(5.4)	212.8	1.0	1.2	1,211.4	997.0	214.4	99.2%	5/23/19	6/20/19	Y	G
L-801, Upgrade SCADA	726.4	31.5	29.7	(694.9)	1.8	0.0	1.1	726.4	724.5	1.8	4.3%	12/20/18	6/10/19	R	G
L-791, RFL Transfer Trip Upgrades	595.2	338.7	212.0	(256.5)	126.7	0.6	1.6	602.1	602.1	(0.0)	56.3%	3/29/19	5/02/19	Y	G
L-720, Outdoor Lighting Reconfiguration and Repl	124.4	92.5	123.9	(31.9)	(31.4)	0.7	0.7	203.0	201.0	2.0	45.6%	5/15/19	7/30/19	R	G
H-006, 10 CFR 851	1,255.8	800.8	840.1	(455.0)	(39.2)	0.6	1.0	2,176.0	1,761.7	414.3	36.8%	5/23/19	5/23/19	G	G

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 (con't)

Projects to be Completed (\$000's)															
Work Scope Description (Reliability Projects)	Contract to Date - Performance							Project Lifecycle				Completion Dates			
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC (thru May 2019)*	VAC	% Complete	Baseline Complete Date	Forecast Date	Schedule at Complete	VAC Cost
L-888, 400 Area Fire Station	776.6	717.2	536.5	(59.4)	180.6	0.9	1.3	936.6	941.6	(5.1)	76.6%	5/21/19	5/30/19	Y	G
S-245, Live Fire Shoot House	3,653.2	3,653.0	3,830.3	(0.3)	(177.3)	1.0	1.0	3,653.2	3,833.8	(180.6)	99.99%	10/10/18	3/28/19	R	Y
L-796, Key Facilities Roof Replacements	265.4	265.4	280.6	0.0	(15.2)	1.0	0.9	956.4	918.2	38.2	27.75%	5/23/19	6/03/19	Y	G
L-906, HFD Station 92 Expansion	88.9	3.4	27.6	(85.5)	(24.2)	0.0	0.1	149.5	193.2	(43.7)	2.3%	4/10/19	7/16/19	R	G
H-001, BMS Upgrade	966.1	966.1	780.0	0.0	186.1	1.0	1.2	1,250.0	970.1	279.9	77.3%	5/23/19	5/23/19	G	G
ET51, HLAN Network Upgrade - Phase 2A	3,666.8	3,660.5	3,650.4	(6.3)	10.0	1.0	1.0	3,666.8	3,660.8	6.0	99.8%	1/31/19	3/21/19	Y	G
L-905, FARS & RFARS Replacement & Upgrade	167.5	96.2	94.7	(71.3)	1.5	0.6	1.0	210.0	207.8	2.2	45.8%	4/10/19	5/29/19	Y	G
Total	41,930.8	37,016.9	34,478.5	(4,913.8)	2,538.4	0.9	1.1	47,496.4	43,322.9	4,173.5					

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):

- Due to adverse weather conditions, the Hanford site experienced several work delays and site closures during February 2019.
- L-849, Replace 200E 1.1M-gal PW Tank: Unfavorable SV is due to additional analysis of firewater demands on the Central Plateau, which delayed design progress. The SV is largely unrecoverable during current baseline design activities. There is no current impact to the construction schedule because there is no funding for construction in FY 2019.
- L-894, Raw Water Cross Connection Isolation 200E/W: Favorable SV is chiefly due to the procurement and delivery of the 30-inch pipe earlier than scheduled.
- L-895, Fire Protection Infrastructure for Plateau Raw Water: Unfavorable SV is primarily due to delays in fabrication and the subsequent receipt of long lead pump and variable frequency drives (VFDs), as well as some delay because of late approvals of the Statement of Work (SOW) and the extension of bids in the procurement of the construction contract. Once awarded the construction contract allows scheduling for field activities in fiscal month March with long lead procurement projected for receipt in fiscal month March.
- L-357, Replace 12" Potable Water Line to 222-S Lab: Unfavorable SV is due to delays in approving the Washington Administrative Code (WAC) Project Report, which delayed award of the construction subcontract and subsequent construction activities.
- L-854, 200E Sewer Consolidations: Unfavorable SV is due to the re-planning of pipe and structure installation(s) on Phases 5 and 6 to accommodate the operation schedules of other Hanford contractors (OHCs). Due to adverse weather conditions, the Hanford site experienced several work delays and site closures during February 2019.
- L-849, Replace 200E 1.1M-gal PW Tank: Unfavorable SV is due to additional analysis of firewater demands on the Central Plateau, which delayed design progress. The SV is largely unrecoverable during current baseline design activities. There is no current impact to the construction schedule because there is no funding for construction in FY 2019.



- L-894, Raw Water Cross Connection Isolation 200E/W: Favorable SV is chiefly due to the procurement and delivery of the 30-inch pipe earlier than scheduled.
- L-895, Fire Protection Infrastructure for Plateau Raw Water: Unfavorable SV is primarily due to delays in fabrication and the subsequent receipt of long lead pump and variable frequency drives (VFDs), as well as some delay because of late approvals of the Statement of Work (SOW) and the extension of bids in the procurement of the construction contract. Once awarded the construction contract allows scheduling for field activities in fiscal month March with long lead procurement projected for receipt in fiscal month March.
- L-357, Replace 12" Potable Water Line to 222-S Lab: Unfavorable SV is due to delays in approving the Washington Administrative Code (WAC) Project Report, which delayed award of the construction subcontract and subsequent construction activities.
- L-854, 200E Sewer Consolidations: Unfavorable SV is due to the re-planning of pipe and structure installation(s) on Phases 5 and 6 to accommodate the operation schedules of other Hanford contractors (OHCs).

CTD Cost Variances (CV):

- L-894, *Raw Water Cross Connection Isolation 200E/W*: Favorable CV is due to the Engineering Study report costing less than planned, the conceptual design utilizing fewer resources than originally anticipated, a Definitive Design cost underrun, and the construction contract being performed at lower than planned cost.
- L-895, *Fire Protection Infrastructure for Plateau Raw Water*: Unfavorable CV is attributable to overruns in engineering and other MSA labor support categories, driven, in part, by the Fire Water Demand/Pump Decision time period.
- L-854, *200E Sewer Consolidations*: Favorable CV is because the fixed price subcontract was awarded for less than the planned cost. That favorable CV is forecast to remain through the life of the project.

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 awarded at less than the planned value, and Architecture/Engineering (A/E) costs being less than planned. The EAC noted is through the MSC period of performance (May 25, 2019); however, this project is currently forecast to extend beyond May 25, 2019.

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						
									A	J	J	A	S	N	J	J	A	J	J	A	
L-854	L-854, 200E Sewer Consolidations	853	61	94.1%	17-Aug-15	08-Jan-19	17-Aug-15 A	20-May-19	[Gantt chart showing remaining work and baseline for L-854]												
L-888	L-888, 400 Area Fire Station	245	68	76.6%	30-Apr-18	21-May-19	30-Apr-18 A	30-May-19	[Gantt chart showing remaining work and baseline for L-888]												
L-894	L-894, Raw Water Cross Connection Isolation 200E/W	540	115	90.8%	04-Apr-17	06-May-19	30-Mar-17 A	06-Aug-19	[Gantt chart showing remaining work and baseline for L-894]												
L-895	L-895, Fire Protection Infrastructure for Plateau Raw Water	431	131	30.5%	05-Jul-17	21-Mar-19	05-Jul-17 A	28-Aug-19	[Gantt chart showing remaining work and baseline for L-895]												
L-897	L-897, Central Plateau Water Treatment Facility	374	107	77.4%	29-Nov-17	23-May-19	29-Nov-17 A	25-Jul-19	[Gantt chart showing remaining work and baseline for L-897]												
L-905	L-905, FARS & RFARS Replacement & Upgrade	171	67	45.8%	06-Aug-18	10-Apr-19	06-Aug-18 A	29-May-19	[Gantt chart showing remaining work and baseline for L-905]												
L-906	L-906, HFD Station 92 Expansion	142	100	2.3%	17-Sep-18	10-Apr-19	17-Sep-18 A	16-Jul-19	[Gantt chart showing remaining work and baseline for L-906]												
S-245	S-245, Live Fire Shoot House	266	24	99.99%	21-Sep-17	10-Oct-18	21-Sep-17 A	28-Mar-19	[Gantt chart showing remaining work and baseline for S-245]												

Remaining Work
 Baseline

MSC - Reliability Projects
Summary Schedule
Data Date: 24-Feb-19





9.0 BASELINE CHANGE REQUEST LOG (BCR)

Baseline Change Request Log for February 2019.

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

Three BCRs related to Reliability Projects:

- VMSA-19-015 Rev 3 – Create One Level 4 and Twenty-Four Level 5 WBSs for H-006, 10 CFR 851 and Move Mod 760 Budget from SWS Undistributed Budget
- VMSA-19-022 – Move Reliability Project Out-Year Planning Package Budget to MR then to Higher Priority RL-20/SWS Work scope
- VRL0201RP-19-011 – Move Budget to L-859 for Construction Restart (PUREX Tunnel Hold) from Reliability Project Out-Year Planning Package

Three BCRs were Administrative in Nature:

- VMSA-19-004 Rev 4 – Administrative BCR – Create Lower Level Task Order (LLTO) WBSs for Cost Collection Established in the Month of February
- VMSA-19-013 Rev 1 – Administrative BCR – Move MSA Engineering from President Office to Reliability Project in WBS Dictionary for Infrastructure Engineering in the Technical Baseline
- VMSA-19-017 Rev 6 – Administrative BCR – Correct the Cobra Project and Resource Code Used for Prior Year Adjustments (PMTO & HSPD-12)

Table 9-1. Consolidated Baseline Change Log

Consolidated Baseline Change Log											
\$ in thousands											
						POST CONTRACT BUDGET					
PBS / Other	Reporting Baseline	Contract PMB	Contract PMB Mgmt Reserve	Contract Performance Budget (CPB)	Cum Contract Period	FY19 Budget	FY19 Management Reserve	Post Contract Budget	Post Contract Mgmt Reserve	Total Lifecycle	Cum Lifecycle Budget
Prior PMB Total	Jan 2019	1,230,506		1,230,506	1,230,506	328,991		1,358,280		2,588,786	2,588,786
VMSA-19-004 Rev 4						0		0		0	2,588,786
VMSA-19-013 Rev 1						0		0		0	2,588,786
VMSA-19-015 Rev 3						0		0		0	2,588,786
VMSA-19-017 Rev 6						0		0		0	2,588,786
VMSA-19-022						4,315		4,315		4,315	2,593,101
VRL0201RP-19-011						0		0		0	2,593,101
Revised PMB Total	Feb 2019	1,230,506		1,230,506	1,230,506	333,306		1,362,595		2,593,101	
Prior Non-PMB Total	Jan 2019	604,007		604,007		186,528		641,442		1,245,449	1,245,449
Revised Non-PMB Total	Feb 2019	604,007		604,007		186,528		641,442		1,245,449	
total Contract Performance Baseline	Feb 2019	1,834,513		1,834,513	1,834,513	519,834		2,004,037		3,838,550	
Management Reserve	Jan 2019		0	0			5,055		5,055	5,055	5,055
VMSA-19-022							(4,315)		(4,315)	(4,315)	740
Revised Management Reserve	Feb 2019		0	0			740		740	740	
Total Contract Budget Base	Feb 2019			1,834,513				2,004,777		3,839,290	
Prior Fee Total	Jan 2019	109,961		109,961		14,383		100,715		210,675	210,675
Revised Fee Total	Feb 2019	109,961		109,961		14,383		100,715		210,675	
Change Log Total	Feb 2019			1,944,473				2,105,492		4,049,965	



10.0 RISK MANAGEMENT

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

- Due to adverse winter weather conditions, the Hanford site closed early the day of the monthly Risk Management Board (RMB) meeting to assure employees could safely commute home. As a result, the RMB meeting was held via email correspondence with electronic review and approval. RMB members reviewed and approved the proposed new and closed risks, and reviewed the overall company risk posture associated with January data. The following items were approved:
 - One Mission Risk was closed related to Environmental, Safety, Health & Quality (ESH&Q). This risk was closed upon the successful completion of the associated Risk Handling Plan (RHP).
 - One Mission Risk, related to Site Services & Interface Management (SS&IM), was significantly re-characterized.
 - 29 new Reliability Project risks: 14 each for projects L-919, *Emergency Radio Upgrades*, and L-921, *Telecom Hut at Met Tower*; and one for L-859, *Rebuild 1st Street, Canton Ave. to IDF Entrance (DFLAW Essential)*.
 - Four Project Risks were significantly re-characterized: three for projects L-895, *Fire Protection Infrastructure for Plateau Raw Water*, and one for project L-859, *Rebuild 1st Street, Canton Ave. to IDF Entrance (DFLAW Essential)*.
 - Five Project Risks were closed: one each for Projects L-791, *RFL Transfer Trip Upgrades*, L-894, *Raw Water Cross Connection Isolation 200E/W*, and L-905, *Fire Alarm Report System (FARS) and Radio Fire Alarm Reporter (RFARS) Replacement and Upgrade*; and two for project L-859.
- Mission Risk Management:
 - Operations Change Control Board (OCCB) Packet Review: The OCCB packet was reviewed and assessed for risks for new work scope.
 - Mission Risk Review/Updates: Risk register review and Elicitations were held with MSA Information Management, Public Works – Electrical Utilities, and Environmental, Safety, Health & Quality (ESH&Q). Revisions to the associated risk registers were captured as appropriate, and new risks are in development.



- Site Wide Services Monte Carlo Quantitative Risk Analysis was completed.
- Project Risk Management:
 - Reliability Project Risk Elicitations: Risk Management facilitated Pre-mortem Risk Elicitations for Projects L-919 and L-921. Additionally, a Pre-mortem was initiated for Project L-707, *Advanced Electrical Metering*; however, Hanford site closures due to adverse weather forced the team to meet for less time than necessary. The remainder of the pre-mortem was rescheduled.
 - Monte Carlo Quantitative Risk Analysis: Risk Management completed the final quantitative risk analysis for Project L-859, *Rebuild 1st Street, Canton Ave. to IDF Entrance (DFLAW Essential)*. The analysis report was approved.
 - 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.
- Other Support:
 - Contract Change Proposal Support: Risk Management performed a sensitivity analysis for the Site Air Modeling Technical Direction Revision proposal.



11.0 DASHBOARD SUMMARY

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

		February FY 2019		Status		
		Deliverables		YTD	Feb	
1.0 Effective Site Cleanup - Achievement of cleanup contractors' key milestones and regulatory commitments						
1.1	Demonstrate that the following performance measure targets were met.					
	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).

February FY 2019			Status	
Deliverables			YTD	Feb
1.0 Effective Site Cleanup - Achievement of cleanup contractors' key milestones and regulatory commitments				
Demonstrate effective management of electric, water and sewer utilities to maximize reliability and redundancy				
1.2	Water	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		
		Quarterly System Health Report October - December		
		Quarterly System Health Report January - March		N/A
1.2	Sewer	Perform Preventative maintenance at 90% or better each month		
		Maintain backlog corrective maintenance average age of open work packages to 300 days or less		
		Quarterly System Health Report October - December		
		Quarterly System Health Report January - March		N/A
1.2	Electric	Electrical power availability		
		Perform Preventative maintenance at 90% or better each month		
		Reduce corrective maintenance backlog identified as of October 1, 2018 by 20% no later than May 1, 2019		
		Quarterly System Health Report October - December		
		Quarterly System Health Report January - March		N/A
Demonstrate effective development and management of reliability projects that assure mission milestones and regulatory commitments are met				
1.3	a	L-894, Raw Water Cross Connections - Complete construction of the cross tie line.		
	b	L-897, Central Plateau Water Treatment Facility (DFLAW Essential) - Complete 90% of design.		
	c	L-850, Replace 200W 1.1M-gal PW tank (DFLAW Essential) - Complete 100% of design.		
	d	L-791, RFL Transfer Trip - Complete design and installation of fiber optic cable from fox box 6FX2 on Pole E2476 to the A6 substation		

LEGEND

= On Schedule

= Objective missed

N/A = Not Applicable (Updated quarterly)

= Complete

= In jeopardy

1.3.a -- Yellow for February, Green overall. Unforeseen conditions required MSA to re-sequence the work elements to improve redundancy and reliability. The new work elements were originally outside the Performance Incentive work envelope, and bringing them in extends the schedule.



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

February FY 2019		Status	
Deliverables		YTD	Feb
2.0 Efficient Site Cleanup - Align resources and capabilities to support the site cleanup mission			
2.1	Maximize efficient MSA use of resources to meet the other Hanford contractors' changing project needs.	Green	Red
2.2	Demonstrate effective Hanford Site integration to include, but not limited to, identifying longstanding or emerging issues that affect efficient site operations and provide recommendations for improvement.	Green	Green
	a Through the CLC and CIB processes, provide DOE-RL with an unfiltered, forward looking view of emerging operational, budget, regulatory, or contractual issues.	Green	Green
	b Conduct Operational Excellence Events: 40% of MSA's FY19 Operational Excellence events will be focused on crosscutting inter-contractor Site Integration opportunities.	Green	Green
	c Full implementation of the MSA Assurance system to cover Operations, Financial, Maintenance, Work Management, Emergency Management, Safety and Environmental.	Green	Blue
	d Conduct monthly performance reviews using the Mission Assurance System demonstrating achievement of MSA's service levels, key milestones and regulatory commitments using a fully Implemented system.	Green	Green
	e Prepare Transition Plan for contract turnover,	Green	Blue
	f Prepare Closeout Plan for MSC closeout. Support activities associated with Contract Closeout (subcontracts, incurred cost submissions/audits, accounting reconciliations, etc.).	Green	Green
TOTAL OBJECTIVE FEE POOL			
3.0 Comprehensive Performance			
	Execute the balance of contract work scope within the contract requirements, terms, and conditions, demonstrating excellence in quality, schedule, management, cost control, small business utilization, and regulatory compliance.	Green	Green
	Provide leadership to improve management effectiveness and collaborate and participate proactively with customers.	Green	Green
	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:	Green	Green
	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	Green	Green
	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	Green	Green
	Safeguards and security, fire department operations, emergency response, and emergency operations/emergency management	Green	Green
	Land Management	Green	Green
	Infrastructure and services program management, operations and maintenance	Green	Green
	Effective contractor human resources management	Green	Green
	Problem identification and corrective action implementation	Green	Green
	Performed work safely and in a compliant manner that assures the workers, public, and environment are protected from adverse consequences	Green	Green

LEGEND

= On Schedule

= Objective missed

= Not Applicable (Updated quarterly)

= Complete

= In jeopardy

2.1 – Red for February, Green overall. Usage Based Service is off target with an over-liquidation of 7.9%, outside of the 5% goal. Pools are evaluated quarterly to determine if any rate changes are warranted; any mid-year adjustments will be defined in the upcoming month.

12.0 CONTRACT DELIVERABLES STATUS

Table 12-1. February 2019-March 2019 Contract Deliverables

CDRL	Deliverable	Responsible	Due Date	Date Submitted to DOE	Action	Response Time	Date Due from DOE	Date approved by DOE
CD0080	Replacement of GSA Leased Vehicles Report	Brockman	02/01/19	01/24/19	Review	30 days		
CD0051	Milestone Review and IAMIT Meeting Minutes - Dec	Wilson	02/05/19	02/04/19	Information	N/A	N/A	
CD0123	Monthly Billing Reports for DOE Services - Jan	Eckman	02/05/19	01/29/19	Information	N/A	N/A	
CD0144	Monthly Performance Report - Dec.	Olsen	02/10/19	02/06/19	Review	None	N/A	
CD0038	Summary of Fire and Other Property Damage Experienced	Walton	02/15/19	02/14/19	Review	30 days	N/A	
CD0013	Nomination of Derivative Declassifiers	Walton	02/15/19	02/14/19	Approve	60 days	04/15/19	
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Dec	Synoground	02/28/19	02/27/19	Review	30 days	N/A	
CD0051	Milestone Review and IAMIT Meeting Minutes - Jan	Wilson	03/05/19		Information	N/A	N/A	
CD0123	Monthly Billing Reports for DOE Services - Feb	Eckman	03/05/19	03/05/19	Information	N/A	N/A	
CD0144	Monthly Performance Report - Jan	Olsen	03/10/19	03/06/19	Review	None	N/A	
CD0036	Hanford Site Prescribed Fire Plan	Walton	03/30/19		Approve	30 days		
CD0037	Hanford Fire Needs Assessment	Walton	03/30/19	01/03/19	Approve	45 days	02/17/19	
CD0074	Update of Hanford Cultural Resource Management Plan	Wilson	03/30/19					
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Jan	Synoground	03/30/19					
CD0020	Transmitter Review	Walton	03/31/19		Approve	60 days		

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

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

No Government-Furnished Services and Information (GFS/I) items were due to MSA in February 2019. There will be two GFS/I items 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*, and
- GF050, due October 31, 2019: DOE Approval of the *DRAFT Hanford Lifecycle Scope, Schedule, and Cost Report* (Lifecycle Report).

On-time delivery of both of these items is anticipated.



13.0 SELF-PERFORMED WORK

Table 13-1. Mission Support Contract Socioeconomic Reporting.

Plan Category	MSA Goal	FY 2019 Actual To-Date	Cumulative %
Small Business	50.0%	73.2%	60.8%
Small Disadvantaged Business	10.0%	13.3%	17.6%
Small Women-Owned Business	6.8%	19.5%	13.6%
HubZone	2.7%	9.2%	5.6%
Small Disadvantaged, Service Disabled	2.0%	5.0%	6.2%
Veteran-Owned Small Business	2.0%	5.4%	7.3%
Local Small Business	Highest Preference	53.9%	-

Through February 2019

Prime Contract Targets:

- At least 40% contracted out beyond MSA, LLC = 43% (\$1.736B/\$3.996B)
- Small Business 25% of Total Mission Support Contract (MSC) Value = 26% (\$1.056B/\$3.996B)