

MISSION SUPPORT ALLIANCE

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



Monthly Performance Report May 2015

W. K. Johnson
President

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



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ACRONYMS LISTING



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

TERMS

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
BCR	Baseline Change Request
BO	Business Operations
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
EM	Office of Environmental Management
ES	Emergency Services
ESH&T	Environment, Safety, Health and Training
FY	Fiscal Year
FYTD	Fiscal Year to Date
HAMMER	Volpentest Hazardous Materials Management and Emergency Response Training and Education Center
HCAB	Hanford Contract Alignment Board
HLAN	Hanford Local Area Network
HQ	Headquarters
HRIP	Hanford Radiological Instrumentation Program
IH	Industrial Hygiene
IM	Information Management
IPL	Integrated Priority List
ISAP	Infrastructure and Services Alignment Plan
ISMS	Integrated Safety Management System
LMSI	Lockheed Martin Services, Inc.
MSA	Mission Support Alliance, LLC
MSC	Mission Support Contract
NEPA	National Environmental Policy Act

ACRONYMS LISTING



OCCB	Operational Change Control Board
ORP	Office of River Protection
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
PW	Public Works
RHP	Risk Handling Plan
RL	Richland Operations Office
SAS	Safeguards & Security
SS&IM	Site Services and Interface Management
SV	Scheduled Variance
TRC	Total Recordable Case
UBS	Usage-Based Services
VoIP	Voice over Internet Protocol
VPP	Voluntary Protection Program
WBS	Work Breakdown Structure

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 May 2015.

1.1 KEY ACCOMPLISHMENTS

MSA Replaces Heating, Ventilation and Air Conditioning (HVAC) – MSA is upgrading the HVAC system at building 2704HV for Washington River Protection Solutions (WRPS). The project consists of procuring and installing four 60-ton rooftop HVAC units, modifying 150 fan-powered terminals and installing a computer control center. The upgrade will replace four older 70-ton units.



Lifting Old Unit Off of 2704HV Roof



New Unit (Left) Installed On Roof at 2704HV

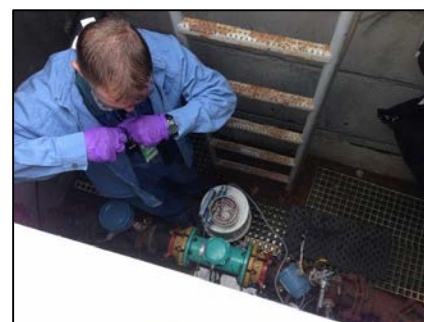
MSA Supports Tri-Parties Public Meeting – MSA supported RL, the DOE Office of River Protection (ORP), U.S. Environmental Protection Agency (EPA), and the Washington State Department of Ecology (Ecology) in coordinating a public meeting to discuss the fiscal years (FY) 2016 and 2017 Hanford budget and cleanup priorities. The meeting was held in conjunction with a 30-day public comment period.

Health & Safety Exposition (EXPO) – MSA served as the executive sponsor for the 21st Health & Safety EXPO that was held on May 12-13, 2015, at the Trade, Recreation and Agricultural Center (TRAC) Facility in Pasco, WA. Over 170 exhibitors were present to promote safety among Hanford workers and members of the community. The event

was organized by DOE, various Hanford Contractors, Hanford unions, and the Pacific Northwest National Laboratory (PNNL).

Inspection Support Provided – MSA supported the CH2M HILL Plateau Remediation Company (CHPRC), PNNL, and WRPS in Ecology inspections to determine dangerous waste regulation compliance. Inspection support included serving as the initial point of contact for regulatory agency notification, preparing and issuing the Site wide inspection announcement, and entering inspection results into the Regulatory Agency Inspection Database (RAID).

Water & Sewer Utilities (W&SU) Updates pH Probes – MSA W&SU personnel removed, cleaned, and recalibrated a pH probe for the 3906C sewer system. The probe had been causing repeated alarms to be sent to the W&SU. Once the calibration was completed, they returned the system to service. W&SU also replaced the 283W eight inch pH analyzer. Completing the work package associated with this job was one of their top priorities.



Recalibrating pH probes for the 3906C sewer system

MSA Releases GeoVis Update Ahead of Schedule – MSA released an update to the Geographic Visualization (GeoVis) application into production several weeks ahead of schedule. GeoVis is a web-based tool that displays site cleanup objects and remediation progress. This completes the RL-requested work plan deliverable of integrating subsequent units for individual development into GeoVis.

MSA Upgrades Services for WRPS Office – MSA supported WRPS with making the new mobile office (MO439) change trailer at the AY tank farm operational. The MSA's electrical utilities team upgraded the existing 25-kilovolt-ampere (kVA) transformer to a 50-kVA transformer and calibrated and installed a new solid-state kilowatt hour power meter.



Upgrading a transformer for WRPS

MSA Samples Air at 200 East for Asbestos – MSA performed asbestos air sampling in the 200 East Area to help resolve WRPS employees' asbestos concerns in areas where their Radiological Control group performs routine transfer line radiological monitoring. Results have been communicated to MSA management and WRPS and Hanford Atomic Metals Trade Council safety representatives.

Electrical Utilities (EU) Cleans Up More Waste Preparing for Shipment – Aligning with EU’s goal of reducing backlog waste streams, containers for both Basin Disposal, Inc. (BDI), and the Environmental Restoration Disposal Facility (ERDF) were filled with EU’s 253E Laydown Yard waste. Included was utility pole hardware, such as porcelain insulators, lead tipped pins, wire, glass, treated wood, wire, and general debris. In addition, to improve organization at the 253E Laydown Yard, areas were graveled and graded, storage boxes staged, and equipment and parts sorted.

Acting Assistant Secretary Tours HAMMER – In May, the Acting Assistant Secretary for the DOE Office of Environmental Management (EM), toured the Volpentest HAMMER Federal Training Center (HAMMER). Subject matter experts and worker-trainers spoke about Site standards as well as the Respiratory, Hazardous Waste Operations and Emergency Response, Radiological Safety and Lockout/Tagout training programs. Staff members showcased the work HAMMER is doing with the National Training Center reciprocity program.



*Acting Assistant Secretary
Tours HAMMER*

Quarterly Environmental Radiological Survey Summary Issued – MSA completed and issued the contract deliverable *Environmental Radiological Survey Summary Calendar Year 2015 (First Quarter Hanford Site 100, 200, 300, and 600 Areas)*. This quarterly report captures the number of scheduled radiological surveys performed by each contractor, along with contamination events and trending of vegetation and animal contamination events for the quarter.

MSA Supports Nuclear Weapons Exercise – MSA deployed a team to Silverdale, Washington, to support the Nuclear Weapons Accident Incident Exercise 2015. The Radiological Assistance Program (RAP) Region 8 team was recognized as an important contributor to the exercise’s success. In addition to the deployed team, RAP Region 8 initiated a “home team” in Richland, Washington, to support the field operations. This first use of a “home team” proved helpful by improving communication coordination and information flow.

MSA Updates Integrated Technical Data-mart (ITD) Tools – MSA released the Assistant Manager for River and Plateau (AMRP) Monthly Project Status Report to production. The new ITD tool compiles a report based on user-entered data and current screen shots of project dashboards. The tool generates a single-document report and can be customized quickly to adapt to changing customer needs.

MSA also released Issue Tracker projects for an Image Report, Safety Report and Safety Report Administration into production. This work, which supports DOE and the ORP Assistant Manager for Technical and Regulatory Support (TRS) allows users to input safety data for the upcoming TRS dashboard.

MSA Installs Bird Screens at 182-D – MSA is preparing the 182-D raw water reservoir for full operation to meet expected increases in water demand, especially for the Waste Treatment Plant, tank farms, and 242-A Evaporator. As part of this effort, new bird screen panels were constructed and installed in the facility. The existing bird screens had deteriorated in the elements, enabling rock doves (pigeons), starlings and swallows to access the facility. The birds were nesting and roosting inside. Bringing 182-D back into operation will allow as needed maintenance to be performed on the 182-B reservoir, and will improve readiness and reliability of the Site's water supply.



New bird screens at 182-D

Hanford Site Public Tours Update – MSA conducted public tours 5 through 12 (of 40 planned for the year). To date, 700 visitors have participated in the 2015 Hanford Site Public tours, which is a 76% participation rate.

Tenth Annual Fire Ops 101 Successful – The *Fire Ops 101* course, taken by 27 participants and their firefighter shadows, was completed successfully in May. This was the tenth year *Fire Ops 101* has been held at the HAMMER.

Switching Station Maintenance Complete – MSA Electrical Utilities (EU) completed preventive and corrective maintenance at the 230kV Ashe Tap Switching Station located at the east end of Gable Mountain. EU cleaned, tested and replaced hand-crank mechanisms, line switches and vacuum interrupters. This effort was completed quickly to minimize impacts to Energy Northwest during their refueling outage.



EU Crew Performing Maintenance at 230kV Ashe Tap Switching Station



Hanford Comprehensive Land Use Plan Supplement Analysis (SA) – MSA Real Estate Services (RES) has been working with RL to disposition DOE Headquarters (HQ) comments and finalize the SA document. The RL Site Manager approved the document on May 7, 2015, and the document will be readied for public release and final closeout. This completes a one-and-a-half year effort by MSA to prepare the draft and assist RL with finalizing the document. The next National Environmental Policy Administration (NEPA) five-year review will take place in 2020.

2.0 ANALYSIS OF FUNDS

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

Funds Source PBS	Title	DOE Expected Funds	** Funds Received	FYTD Actuals	Remaining Available Funds from Funds Received
1000PD	Richland Program Direction	\$117.3	\$122.9	\$73.4	\$49.5
1000PD (HQ)	DOE-HQ Funding	\$105.5	\$106.2	\$80.9	\$25.3
ORP-0014	Radiological Liquid Tank Waste Stabilization and Disposition Operations	\$14,918.0	\$14,917.7	\$3,095.4	\$11,822.3
RL-0020	Safeguards & Security	\$69,208.8	\$68,651.7	\$41,366.6	\$27,285.1
RL-0030	Soil & Water Remediation – Groundwater Hanford	--	\$21.6	\$(0.8)	\$22.4
RL-0040	Reliability Projects/ HAMMER/ Inventory	\$15,714.5	\$16,319.4	\$4,217.2	\$12,102.2
RL-0041	B Reactor	\$6,906.9	\$6,961.0	\$1,377.9	\$5,583.1
SWS	Site-Wide Services	\$186,535.1	\$153,042.4	\$110,003.7	\$43,038.7
Total		\$293,506.1	\$260,142.9	\$160,214.3	\$99,928.6

FYTD = Fiscal Year to Date.

HAMMER = Volpentest HAMMER Training and
Education Center.

PMTO = Portfolio Management Task Order.

EAC = Estimate at Completion.

PBS = Project Baseline Summary.

SWS = Site-Wide Services.

PD = Project Development.

DOE Expected Funds includes a funding increase of \$4,582K, per RL Letter 15-AMMS-0023, including: SWS \$877K, ORP14 (\$253K), RL20 (\$1,614K), RL30 (\$19K), RL40 \$5,607K, and RL41 (\$16K).

**Funds received through Contract Mod 462 dated June 3, 2015.

SWS Burn Rate – through August 20, 2015

RL20 Burn Rate – through October 26, 2015.

Total burn rate for remaining available funds would fund through October 15, 2015.





3.0 SAFETY PERFORMANCE

During the month of May, MSA had one “recordable” injury when an employee cut their hand when operating machinery. However, a first aid injury that occurred in April was reclassified to a recordable in May when additional medical information became available. Both injuries met the criteria of a days away, restricted or transferred (DART) classification. Therefore, the fiscal year total recordable case rate (TRC) is 0.50 and the DART rate is 0.42. The TRC and DART rates are below the DOE Office of Environmental Management (EM) goal of 1.1 and 0.60, respectively.

MSA continues to perform injury prevention actions that focus on hazard identification and the highest level of control practical by stressing the use of Hierarchy of Control for awareness of hazard analysis at various safety meetings. As environmental conditions change and the potential for heat related injuries increase, MSA is providing employees with timely communications on wet bulb globe temperature (WBGT) readings through the MSA Notification System (MSANS). MSA encouraged both onsite and offsite safety awareness by providing Weekly Safety Starts for back-to-work discussions on topics such as food cooking safety, heat stress awareness, driving safety, and proper load securement.



Table 3-1. Total Recordable Case Rate.

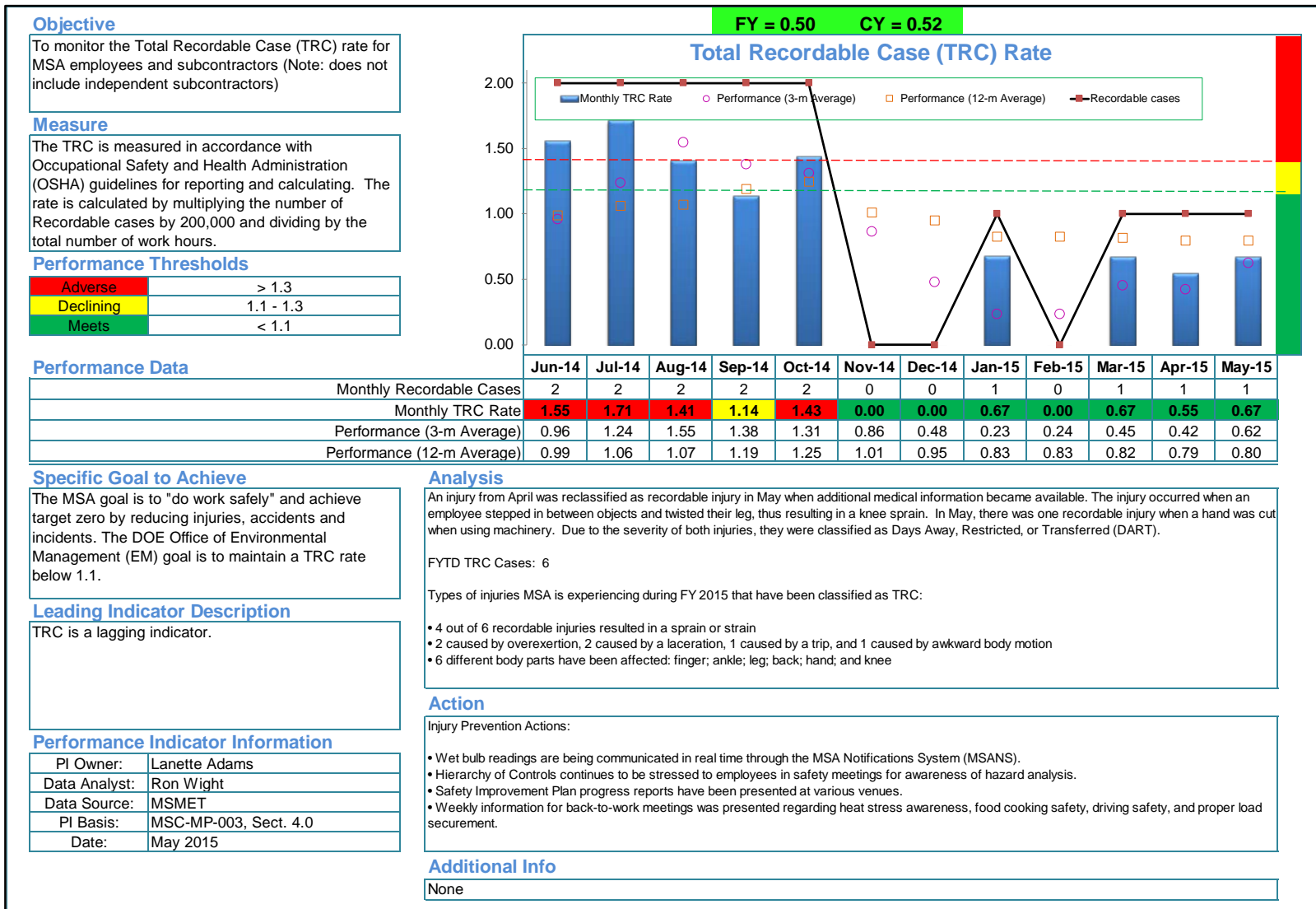




Table 3-2. Days Away, Restricted, Transferred

Objective

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

Measure

The DART rate is measured in accordance with Occupational Safety and Health Administration (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

	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15
Monthly DART Cases	1	0	2	1	1	0	0	1	0	1	1	1
Monthly DART rate	0.78	0.00	1.41	0.57	0.72	0.00	0.00	0.67	0.00	0.67	0.55	0.67
Performance (3-m Average)	0.72	0.50	0.77	0.69	0.87	0.43	0.24	0.23	0.24	0.45	0.42	0.62
Performance (12-m Average)	0.64	0.59	0.65	0.71	0.71	0.59	0.54	0.47	0.47	0.53	0.51	0.51

Specific Goal to Achieve

The MSA goal is to "do work safely" and achieve target zero by reducing injuries, accidents and incidents. The DOE Office of Environmental Management (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-MP-003, Section 4.0
Date	May 2015

Analysis

An injury from April was reclassified as a DART injury in May when additional medical information became available. The injury occurred when an employee stepped in between objects and twisted their leg, thus resulting in a knee sprain. In May, there was one DART injury when a hand was cut when using machinery.

2015 FYTD DART Cases: 5
2015 FYTD DART Rate: 0.42

Types of injuries MSA is experiencing for FY 2015 that have been classified as DART:

- 1 caused by trip, 1 by contact with object, 1 by awkward position, and 2 caused by overexertion
- 1 sprained ankle, 1 strained hamstring, 1 strained back, 1 twisted knee, 1 cut hand

Action

Injury Prevention Actions:

- Wet bulb readings are being communicated in real time through the MSA Notifications System (MSANS).
- Hierarchy of Controls continues to be stressed to employees in safety meetings for awareness of hazard analysis.
- Safety Improvement Plan progress reports have been presented at various venues.
- Weekly information for back-to-work meetings was presented regarding heat stress awareness, food cooking safety, driving safety, and proper load securement.

Additional Info

None

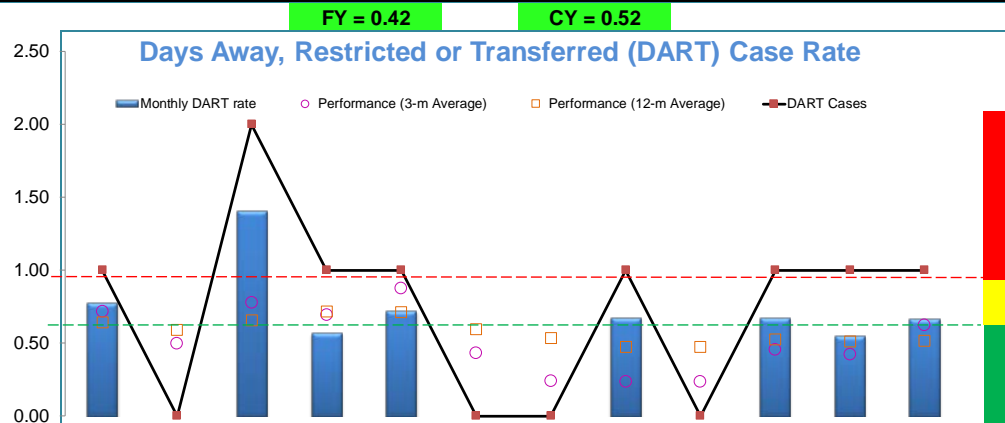




Table 3-4. First Aid Case Rate

Objective

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

Measure

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

Performance Thresholds

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

Performance Data

	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15
First Aid Cases	8	8	6	5	10	9	3	3	3	3	4	8
Monthly First Aid Rate	6.21	6.85	4.23	2.84	7.17	6.13	2.27	2.02	2.11	2.01	2.20	5.33
Performance (3-m Average)	4.55	5.45	5.68	4.37	4.59	5.19	5.26	3.51	2.13	2.05	2.11	3.12
Performance (12-m Average)	4.49	4.47	4.52	4.11	4.39	4.46	4.40	4.37	4.25	4.03	3.86	3.99

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-MP-003 Sect. 4.0
Date	May 2015

Analysis

May concluded with the following eight First Aid injury cases: Arm cut moving metal sheets; finger shocked while pushing door buzzer; knee soreness from walking; arm strain from lifting; finger numbness from repetitive work; arm scraped on object; shoulder strain moving material and, head struck by object.

FYTD First Aid Cases: 43
FYTD First Aid Case Rate: 3.61

Types of injuries MSA experienced during FY 2015 that have been classified as First Aid:

- 58% were caused by overexertion, 18% were caused by contact with an object; 10% were caused by a slip/trip/fall
- 32% arm/hand injuries, 20% back injuries, 20% head/eye injuries

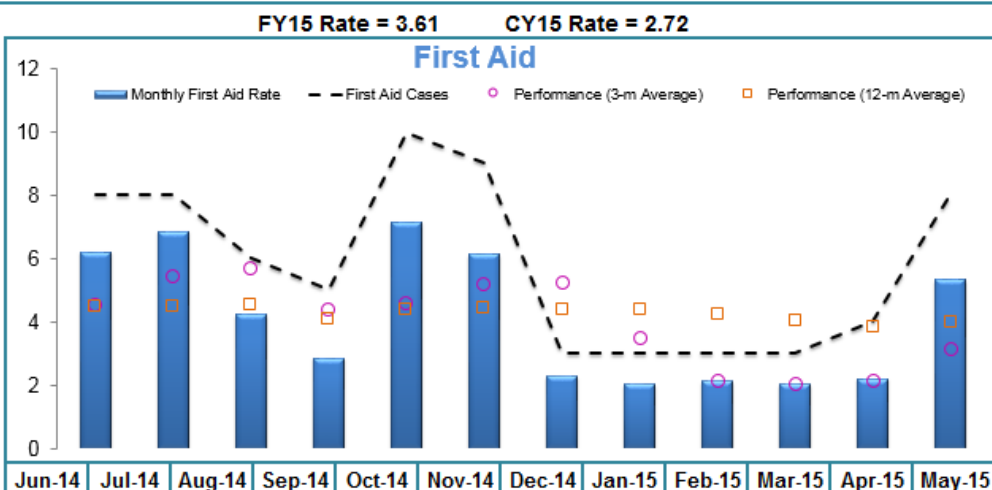
Action

Injury Prevention Actions:

- Wet bulb readings are being communicated in real time through the MSA Notifications System (MSANS).
- Hierarchy of Controls continues to be stressed to employees in safety meetings for awareness of hazard analysis.
- Safety Improvement Plan progress reports have been presented at various venues.
- Weekly information for back-to-work meetings was presented regarding heat stress awareness, food cooking safety, driving safety, and proper load securement.

Additional Info

None



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

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

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE										DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188	
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 (2015/4/27)					
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2015/5/24)					
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No X Yes								
5. CONTRACT DATA													
a. QUANTITY N/A	b. NEGOTIATED COST \$3,376,582	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK \$525	d. TARGET PROFIT/FEE \$208,987	e. TARGET PRICE \$3,585,569	f. ESTIMATED PRICE \$3,673,995	g. CONTRACT CEILING N/A	h. ESTIMATED CONTRACT CEILING N/A	i. DATE OF OTB/OTS N/A					
6. ESTIMATED COST AT COMPLETION						7. AUTHORIZED CONTRACTOR REPRESENTATIVE							
		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) <i>William K Johnson</i>			b. TITLE MSC Project Manager				
a. BEST CASE \$3,377,107						c. SIGNATURE <i>William K Johnson</i>			d. DATE SIGNED 6/24/15				
b. WORST CASE \$3,638,258													
c. MOST LIKELY \$3,465,008				3,377,107		(87,900)							
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	4,911	4,911	3,767	0	1,144	331,142	331,142	340,506	0	(9,364)	534,754	548,531	(13,777)
3001.01.02 - Fire and Emergency Response	1,839	1,839	1,827	0	12	115,028	115,028	123,486	(8)	(8,458)	185,374	196,504	(11,131)
3001.01.03 - Emergency Management	541	541	267	0	275	30,686	30,686	26,720	0	3,966	52,810	48,687	4,123
3001.01.04 - HAMMER	347	347	354	0	(7)	38,958	38,958	42,645	(4)	(3,687)	50,772	56,021	(5,249)
3001.01.05 - Emergency Services & Training Management	55	55	64	0	(9)	4,612	4,612	5,146	(5)	(534)	6,910	7,539	(629)
3001.02.01 - Site-Wide Safety Standards	33	33	60	0	(27)	4,209	4,209	4,501	(3)	(292)	5,579	6,028	(449)
3001.02.02 - Environmental Integration	383	383	277	0	106	40,104	40,104	35,736	0	4,368	56,750	52,450	4,300
3001.02.03 - Public Safety & Resource Protection	1,058	1,058	546	0	512	36,410	36,410	34,073	0	2,337	80,869	77,507	3,363
3001.02.04 - Radiological Site Services	15	15	40	0	(25)	3,865	3,865	4,463	(6)	(598)	3,827	4,656	(829)
3001.02.05 - WSCF Analytical Services	87	87	(11)	0	98	52,917	52,917	50,453	(2)	2,464	56,556	53,797	2,759
3001.03.01 - IM Project Planning & Controls	344	344	182	0	162	26,188	26,188	24,610	0	1,577	41,078	39,168	1,910
3001.03.02 - Information Systems	1,181	1,181	855	0	326	76,630	76,630	74,968	(2)	1,662	123,481	123,124	357
3001.03.03 - Infrastructure / Cyber Security	352	352	239	0	112	20,892	20,892	24,201	(3)	(3,309)	35,644	39,425	(3,781)
3001.03.04 - Content & Records Management	704	704	404	0	299	46,052	46,052	42,450	0	3,602	75,447	72,129	3,318
3001.03.05 - IR/CM Management	31	31	166	0	(135)	3,323	3,323	5,407	(2)	(2,084)	4,617	7,638	(3,021)
3001.03.06 - Information Support Services	183	183	115	0	68	9,940	9,940	8,155	0	1,785	17,619	15,645	1,974
3001.04.01 - Roads and Grounds Services	279	279	317	0	(38)	16,557	16,557	14,318	0	2,239	28,372	25,897	2,475
3001.04.02 - Biological Services	325	325	208	0	118	20,256	20,256	19,978	0	278	33,886	34,224	(339)
3001.04.03 - Electrical Services	533	533	825	0	(292)	42,717	42,717	55,546	(13)	(12,829)	67,648	83,310	(15,661)
3001.04.04 - Water/Sewer Services	677	677	1,278	0	(601)	35,910	35,910	50,396	(14)	(14,486)	64,344	83,630	(19,286)
3001.04.05 - Facility Services	0	0	0	(0)	0	7,909	7,909	7,900	0	9	7,909	7,900	9
3001.04.06 - Transportation	0	0	22	0	(22)	7,974	7,974	9,313	(1)	(1,339)	7,974	9,425	(1,451)



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 (2015/4/27)					
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728		b. Phase Operations		b. To (2015/5/24)									
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	58	58	41	-	17	6,219	6,219	6,335	0	(116)	8,624	8,774	(150)		
3001.04.08 - Crane and Rigging	-	-	-	-	-	2,187	2,187	2,187	(0)	(0)	2,187	2,187	(0)		
3001.04.09 - Railroad Services	-	-	-	-	-	370	370	370	(0)	(1)	370	370	(1)		
3001.04.10 - Technical Services	302	302	274	-	28	27,491	27,491	28,489	0	(999)	40,037	42,981	(2,944)		
3001.04.11 - Energy Management	285	285	108	-	177	8,934	8,934	4,980	(0)	3,954	21,424	17,010	4,415		
3001.04.12 - Hanford Historic Buildings Preservation	265	156	141	(109)	15	14,378	14,287	14,192	(91)	95	20,972	21,008	(36)		
3001.04.13 - Work Management	101	101	144	-	(43)	7,402	7,402	8,765	(0)	(1,363)	11,569	13,256	(1,687)		
3001.04.14 - Land and Facilities Management	594	594	411	-	183	26,149	26,149	23,764	(0)	2,385	46,696	44,783	1,913		
3001.04.15 - Mail & Courier	120	120	76	-	44	5,805	5,805	4,385	(0)	1,420	10,820	9,212	1,608		
3001.04.16 - Property Systems/Acquisitons	549	549	405	-	144	31,427	31,427	32,175	0	(749)	54,334	55,352	(1,018)		
3001.04.17 - General Supplies Inventory	13	13	49	-	(36)	2,004	2,004	1,403	0	601	2,548	1,869	679		
3001.04.18 - Maintenance Management Program Implementation	207	207	239	-	(32)	3,702	3,702	3,068	0	634	12,086	11,712	374		
3001.06.01 - Business Operations	349	349	280	-	69	29,020	29,020	32,271	0	(3,252)	43,309	47,409	(4,100)		
3001.06.02 - Human Resources	200	200	153	-	47	13,537	13,537	13,217	(0)	321	23,690	23,755	(66)		
3001.06.03 - Safety, Health & Quality	1,081	1,081	1,375	-	(294)	87,763	87,763	103,210	(0)	(15,447)	133,361	150,906	(17,546)		
3001.06.04 - Miscellaneous Support	683	683	260	-	423	37,932	37,932	29,730	(0)	8,202	66,307	57,725	8,582		
3001.06.05 - Presidents Office (G&A nonPMB)	-	-	-	-	-	16	16	16	0	0	16	16	0		
3001.06.06 - Strategy	-	-	-	-	-	959	959	2,529	0	(1,570)	959	2,529	(1,570)		
3001.07.01 - Portfolio Management	692	692	371	-	321	43,524	43,524	41,411	(0)	2,113	67,700	65,782	1,918		
3001.08.01 - Water System	40	39	15	(1)	23	12,012	12,011	4,546	(1)	7,465	16,964	9,204	7,760		
3001.08.02 - Sewer System	-	-	-	-	-	5,301	5,301	8,501	0	(3,199)	5,301	8,501	(3,199)		
3001.08.03 - Electrical System	594	221	160	(374)	60	4,074	3,753	6,227	(321)	(2,475)	14,123	16,454	(2,331)		
3001.08.04 - Roads and Grounds	31	9	6	(23)	2	2,075	2,052	2,056	(23)	(4)	11,772	11,757	14		
3001.08.05 - Facility System	(21)	(21)	(2)	0	(19)	5,611	5,611	5,653	(0)	(42)	7,172	7,214	(42)		
3001.08.06 - Reliability Projects Studies & Estimates	2	1	0	(0)	1	2,816	2,816	4,434	(0)	(1,617)	3,013	4,630	(1,616)		
3001.08.07 - Reliability Project Spare Parts Inventory	-	-	-	-	-	86	86	2,334	0	(2,248)	86	2,334	(2,248)		
3001.08.08 - Network & Telecommunications System	(15)	26	18	41	8	8,722	8,708	13,759	(14)	(5,051)	8,768	13,829	(5,060)		
3001.08.09 - Capital Equipment Not Related to Construction	826	826	(1)	-	827	9,034	9,034	8,843	(0)	191	12,239	12,870	(631)		
3001.08.10 - WSCF - Projects	0	0	(0)	-	0	979	979	810	0	169	979	810	169		
3001.08.11 - Support of Infrastructure Interface to ORP	-	-	-	-	-	965	965	725	0	240	965	725	240		
3001.08.12 - Reliability Projects Out Year Planning	-	-	-	-	-	-	-	-	0	0	113,012	112,402	610		
3001.90.04 - MSA Transition	-	-	-	-	-	5,868	5,868	5,868	0	0	5,868	5,868	0		
3001.B1.06 - Projects	-	-	-	-	-	(0)	(0)	-	(0)	(0)	(0)	-	(0)		
b. COST OF MONEY															
c. GENERAL AND ADMINISTRATIVE															
d. UNDISTRIBUTED BUDGET											1,322		1,322		
e. SUBTOTAL (Performance Measurement Baseline)	20,834	20,368	16,324	(466)	4,044	1,378,637	1,378,187	1,421,222	(450)	(43,035)	2,310,813	2,376,470	(65,657)		



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 (2015/4/27)					
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2015/5/24)					
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	1,257	1,257	1,317	-	(60)	82,594	82,594	79,489	0	3,105	120,205	118,096	2,109
3001.02.04 - Radiological Site Services	1,207	1,207	566	-	641	37,226	37,226	26,941	0	10,284	87,635	75,978	11,657
3001.02.05 - WSCF Analytical Services	1,115	1,115	-	-	1,115	64,954	64,954	53,176	0	11,778	113,653	97,985	15,669
3001.03.06 - Information Support Services	-	-	-	-	-	4,726	4,726	4,043	(0)	683	4,726	4,043	683
3001.04.05 - Facility Services	673	673	641	-	32	36,459	36,459	38,676	0	(2,218)	63,520	66,423	(2,902)
3001.04.06 - Transportation	187	187	265	-	(78)	17,093	17,093	25,395	0	(8,301)	24,149	34,017	(9,868)
3001.04.07 - Fleet Services	835	835	898	-	(64)	71,402	71,402	80,477	0	(9,075)	102,247	112,837	(10,589)
3001.04.08 - Crane and Rigging	1,085	1,085	688	-	397	66,409	66,409	69,433	0	(3,024)	105,029	109,015	(3,987)
3001.04.13 - Work Management	-	-	29	-	(29)	595	595	1,905	0	(1,311)	595	2,144	(1,550)
3001.04.14 - Land and Facilities Management	715	715	467	-	248	36,777	36,777	34,943	(0)	1,834	65,247	63,155	2,091
3001.04.15 - Mail & Courier	23	23	14	-	9	731	731	764	0	(33)	1,562	1,616	(54)
3001.06.01 - Business Operations	907	907	738	(0)	169	64,519	64,519	69,753	(0)	(5,234)	100,878	107,340	(6,463)
3001.06.02 - Human Resources	172	172	234	(0)	(62)	13,164	13,164	15,626	(0)	(2,461)	20,030	23,116	(3,086)
3001.06.03 - Safety, Health & Quality	185	185	72	(0)	113	9,308	9,308	7,657	(0)	1,651	16,869	15,004	1,865
3001.06.04 - Miscellaneous Support	83	83	110	(0)	(27)	7,760	7,760	8,989	(0)	(1,229)	11,215	12,825	(1,610)
3001.06.05 - Presidents Office (G&A nonPMB)	359	359	232	(0)	127	17,485	17,485	14,289	(0)	3,196	31,901	28,653	3,248
3001.06.06 - Strategy	26	26	16	-	10	2,368	2,368	2,099	(0)	269	3,418	3,147	271
3001.A1.01 - Transfer - CHPRC	6,273	6,273	3,241	-	3,031	473,276	473,276	427,874	0	45,402	747,740	696,772	50,968
3001.A1.02 - Transfer - WRPS	1,492	1,492	2,351	-	(859)	96,304	96,304	121,924	0	(25,620)	151,823	184,359	(32,536)
3001.A1.03 - Transfers - FH Closeout	0	0	(2)	-	2	170	170	174	0	(5)	183	189	(6)
3001.A1.04 - Transfers - CHG Closeout	-	-	-	-	-	12	12	13	0	(0)	12	13	(0)
3001.A2.01 - Non Transfer - BNI	-	-	18	-	(18)	1,188	1,188	2,546	0	(1,358)	1,188	2,597	(1,409)
3001.A2.02 - Non Transfer - AMH	12	12	-	-	12	1,341	1,341	954	(0)	387	1,915	1,480	436
3001.A2.03 - Non Transfer - ATL	18	18	3	-	16	775	775	629	0	146	1,541	1,372	168
3001.A2.04 - Non-Transfer - WCH	356	356	196	-	159	33,890	33,890	37,827	0	(3,938)	48,570	52,563	(3,993)
3001.A2.05 - Non-Transfers - HPM	1	1	36	-	(36)	3	3	833	0	(830)	3	1,023	(1,020)
3001.A2.06 - Non-Transfers - BNI Corp	-	-	(0)	-	0	-	-	1	0	(1)	-	1	(1)
3001.A4.01 - Request for Services	453	453	892	-	(439)	60,371	60,371	81,899	0	(21,528)	78,907	102,733	(23,826)
3001.A4.02 - HAMMER RFSS	3	3	615	-	(612)	7,010	7,010	18,428	0	(11,418)	7,149	20,596	(13,446)
3001.A4.03 - National Guard RFSS	0	0	-	-	0	1,599	1,599	1,550	0	49	1,605	1,555	50
3001.A4.04 - PNNL RFSS	25	25	30	-	(6)	6,485	6,485	9,171	(0)	(2,686)	7,317	10,113	(2,796)
3001.A5.01 - RL PD	65	65	110	-	(45)	1,861	1,861	3,993	0	(2,133)	4,441	6,860	(2,420)
3001.A5.02 - ORP PD	6	6	137	-	(131)	37	37	5,057	0	(5,020)	37	5,906	(5,869)
3001.A7.01 - G&A Liquidations	(2,844)	(2,844)	(541)	0	(2,303)	(115,313)	(115,313)	(119,595)	0	4,281	(185,898)	(191,100)	5,202
3001.A7.02 - DLA Liquidations	(1,582)	(1,582)	(1,347)	0	(235)	(53,527)	(53,527)	(63,284)	0	9,756	(87,977)	(100,255)	12,278
3001.A7.03 - Variable Pools Revenue	(8,636)	(8,636)	(3,227)	0	(5,409)	(364,874)	(364,874)	(351,249)	0	(13,625)	(600,113)	(583,717)	(16,396)
3001.B1.01 - UBS Assessments for Other Providers	2	2	-	-	2	73	73	-	0	73	184	-	184
3001.B1.02 - UBS Other MSC - HAMMER M&O	10	10	-	-	10	331	331	-	(0)	331	843	-	843
3001.B1.03 - Assessment for Other Provided Services	105	105	-	-	105	3,339	3,339	-	(0)	3,339	8,612	-	8,612
3001.B1.04 - Assessment for PRC Services to MSC	59	59	-	-	59	2,053	2,053	-	(0)	2,053	4,977	-	4,977
3001.B1.07 - Request for Services	0	0	-	-	0	236	236	-	(0)	236	274	-	274



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

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE											DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188	
1. Contractor		2. Contract			3. Program			4. Report Period						
a. Name		a. Name			a. Name			a. From (2015/4/27)						
b. Location (Address and Zip Code)		b. Number			b. Phase			b. To (2015/5/24)						
c. TYPE		d. Share Ratio			c. EVMS ACCEPTANCE									
Item (1)	Current Period					Cumulative to Date					At Completion			
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance		Budgeted (12)	Estimated (13)	Variance (14)	
	Work Scheduled (2)	Work Performed (3)	Work Performed (4)	Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)	Work Performed (9)	Schedule (10)	Cost (11)				
a2. WORK BREAKDOWN STRUCTURE ELEMENT														
b2. COST OF MONEY														
c2. GENERAL AND ADMINISTRATIVE														
d2. UNDISTRIBUTED BUDGET												0	0	
e2. SUBTOTAL (Non - Performance Measurement Baseline)	4,646	4,646	8,799	(0)	(4,153)	690,205	690,205	712,400	0	(22,195)	1,066,212	1,088,455	(22,243)	
f. MANAGEMENT RESERVE											83	83	0	
g. TOTAL	25,480	25,014	25,123	(466)	(108)	2,068,842	2,068,392	2,133,622	(450)	(65,230)	3,377,107	3,465,008	(87,900)	
9. RECONCILIATION TO CONTRACT BUDGET BASE														
a. VARIANCE ADJUSTMENT														
b. TOTAL CONTRACT VARIANCE														



5.0

FORMAT 3, DD FORM 2734/3, BASELINE

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

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE															DOLLARS IN Thousands		FORM APPROVED OMB No. 0704-0188	
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 (2015/4/27)									
b. Location (Address and Zip Code) Richland, WA 99352			b. Number RL14728			b. Phase Operations			b. To (2015/5/24)									
c. TYPE CPAF			d. Share Ratio			c. EVMS ACCEPTANCE No <input checked="" type="checkbox"/> Yes												
5. CONTRACT DATA																		
a. ORIGINAL NEGOTIATED COST \$2,854,966			b. NEGOTIATED CONTRACT CHANGES \$521,616		c. CURRENT NEGOTIATED COST (a+b) \$3,376,582		d. ESTIMATED COST OF UNAUTHORIZED UNPRICED WORK \$525		e. CONTRACT BUDGET BASE (C+D) \$3,377,107		f. TOTAL ALLOCATED BUDGET \$3,377,107		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																		
ITEM (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)												UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)		
			Six Month Forecast By Month						Dec FY16 (10)	Remaining FY 16 (11)	FY 17 (12)	FY 18 (13)	FY 19 (14)					
			June-15 (4)	July-15 (5)	Aug FY15 (6)	Sept FY15 (7)	Oct FY16 (8)	Nov FY16 (9)										
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	1,357,803	17,188	15,648	18,951	17,394	22,565	11,215	18,234	15,755	267,872	200,536	208,753	134,661	1,317	2,307,891			
b. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	20,834	(17,188)	31	(4)	(5)	(4)	(59)	(67)	(60)	(560)	(0)	(0)	(0)	5	2,922			
a. PERFORMANCE MEASUREMENT BASELINE (End of Period)	1,378,637		15,678	18,947	17,388	22,561	11,156	18,167	15,695	267,312	200,536	208,753	134,661	1,322	2,310,813			



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		a. Name			a. Name				a. From (2015/4/27)								
Mission Support Alliance		Mission Support Contract			Mission Support Contract												
b. Location (Address and Zip Code)		b. Number			b. Phase				b. To (2015/5/24)								
Richland, WA 99352		RL14728			Operations												
c. TYPE		d. Share Ratio			c. EVMS ACCEPTANCE												
CPAF					No X Yes												
6. PERFORMANCE DATA																	
ITEM	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)												UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)	
			Six Month Forecast By Month										FY 17 (12)	FY 18 (13)			FY 19 (14)
			June-15 (4)	July-15 (5)	Aug FY15 (6)	Sept FY15 (7)	Oct FY16 (8)	Nov FY16 (9)	Dec FY16 (10)	Remaining FY 16 (11)							
a2. NON - PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	685,559	7,466	7,364	8,401	7,421	8,741	6,986	8,022	7,571	72,543	93,510	92,834	62,608		1,069,026		
b2. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	4,646	(7,466)	0	6	(5)	5	10	(9)	(4)	2	(0)	0	0	0	(2,814)		
a2. NON - PERFORMANCE MEASUREMENT BASELINE (End of Period)	690,205		7,364	8,407	7,415	8,746	6,997	8,013	7,567	72,545	93,510	92,834	62,608		1,066,212		
7. MANAGEMENT RESERVE															83		
8. TOTAL	2,068,842		23,042	27,354	24,804	31,307	18,152	26,180	23,262	339,858	294,046	301,587	197,269	1,322	3,377,107		



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.

Contract Performance Report Format 5			
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 (2015/4/27)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number RL14728	b. Phase Operations	b. To (2015/5/24)
	c. Type CPAF	d. Share Ratio c. EVMS Acceptance NO X YES	
5. Evaluation			
<p><u>Explanation of Variance / Description of Problem:</u></p> <p>Current Month Cost Variance: During May 2015, a revision to how the budgets for the FY 2014 Labor Adder and Pension modifications (i.e., Contract Modifications 444 and 445) were allocated between the Performance Measurement Baseline (PMB) and non-PMB WBS elements was implemented. The purpose of this revision was to incorporate the necessary adjustments to the non-PMB revenue and liquidation WBS elements. The incorporation of this baseline change is the primary reason for the positive cost variance in the PMB and an offsetting negative cost variance in the non-PMB. Also during May, an approved adjustment to the Forward Pricing Rates for October 2014 through April 2015 was implemented as a passback, which reduced the costs and contributed to the cost variance.</p> <p>Impacts – Current Month Cost Variance e: As indicated above, the current month cost variance is primarily due to the re-spreading of the budget for Contract Modifications 444 and 445 between the PMB and the non-PMB and the October 2014 through April 2015 passback. There are no impacts associated with the current month cost variance.</p> <p>Corrective Action – Current Month Cost Variance: N/A</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	a. Name		a. Name	a. From (2015/4/27)
b. Location (Address and Zip Code)	b. Number		b. Phase	b. To (2015/5/24)
Richland, WA 99352	c. Type	d. Share Ratio	c. EVMS Acceptance	

Cumulative Cost Variance:
 During October of 2011, MSA completed re-aligning the baseline to the negotiated contract, and using the approved change control process, implemented the re-aligned baseline data for the start of FY 2012. RL provided approval of the baseline data for reporting progress, and also provided an approved and funded priority list of items for MSA work scope. The contract-to-date variance is primarily due to the RL approved funding and priority list scope being divergent from the baseline for FY 2013, FY 2014, and FY 2015.

After the original submittal of the FPR, it was determined that the MSA had incorrectly factored the cost of the Hanford Site Pension Plan (HSPP) and the Hanford Employee Welfare Trust (HEWT) into the labor rates. This was disclosed to the MSA in the Source Selection Evaluations Board's (SEB) Debrief of the Mission Support Contract (MSC) in May 2009. MSA received contract modifications associated with pension cost and labor adder adjustments for FY 2009 through FY 2014, which increased the contract value. At the request of RL, the labor and pension proposals are submitted annually at fiscal year-end. The FY 2015 variances associated with labor and pension will continue to grow during the fiscal year.

Impacts - Cumulative Cost Variance:
 The contract to date cost variance is primarily due to the approved funding and priority list scope being divergent from the baseline during FY 2013 – FY 2015. Because the work scope is primarily level of effort, the cumulative cost variance is not a predictive indicator for future performance. The amount of support provided in the future will be dependent upon the RL approved funding and priority list scope.



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	a. Name		a. Name	a. From (2015/4/27)
b. Location (Address and Zip Code)	b. Number		b. Phase	b. To (2015/5/24)
Richland, WA 99352	c. Type	d. Share Ratio	c. EVMS Acceptance	

Corrective Action - Cumulative Cost Variance:
 For FY 2009 – FY 2012, MSA has incorporated negotiated contract variance proposals into the contract baseline. For FY 2013 through FY 2015, MSA will continue to monitor the delta values between the contract baseline and RL funding values to determine if change proposals are warranted. Until then, the divergent data will continue.

Cumulative Schedule Variance:
 Cumulative schedule variance is within threshold.

Impacts - Cumulative Schedule Variance:
 None

Corrective Action - Cumulative Schedule Variance:
 None

Negotiated Contract Changes:
 This reporting period the Negotiated Contract Cost increased by \$0.1M from \$3,376.5K to \$3,376.6K for May 2015. This increase is due to implementation of four Baseline Change Requests in May 2015 including: V1000HQ-15-001, "Mod 456, DOE-HQ Human Resource Staffing Process Structured Improvement Activities – Add Scope, Budget and Fee" for \$.021M, V1000PD-15-001 Rev 1, "Mod 457, PMTO 15-002 Development of Dashboard Solutions for ORP Phase 2 – Add Scope, Budget and Fee" for \$.082M, V1000PD-15-003, "Administrative BCR – Mod 459, PMTO 15-004 Nuclear Safety Division Safety Basis Review and Approval Process SIA – Place in Undistributed Budget" for \$.005M, and VMSA-15-012 Rev 1, "Administrative BCR – Re-Allocation of Budget for Mods 444 & 445, Definitization of FY 2014 Labor Adder & Pension Cost Variance Proposal" that was a \$0.0M change bottom line but resulted in change to PMB of \$2.8M and NonPMB of (\$2.8M) to correct liquidation of G&A and DLA accounts and distribute the budget appropriately.

Changes in Estimated Cost of Authorized / Unpriced Work:
 There were no changes to Authorized Unpriced Work for May.

Changes in Estimated Price:
 The Estimated Price of \$3,6794.0M is based on the Most Likely Management EAC (MEAC) of \$3,465.0M and fee of \$209.0M. The Most Likely MEAC reflects recognition of significant additional work scope in FY 2009 through FY 2011 related to *American Recovery and Reinvestment Act of 2009* (ARRA) support activities to site contractors, and other DOE-authorized activities beyond the original contract assumptions. Baseline Change Requests were implemented for the Cost Variance Contract Modifications received for FY 2009 thru FY 2012 in January 2015. Since FY 2013 and FY 2014 were within a 10% variance, proposals have not yet been processed to increase the Negotiated Contract Cost / Performance.



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	a. Name	a. Name	a. From (2015/4/27)
b. Location (Address and Zip Code)	b. Number	b. Phase	b. To (2015/5/24)
Richland, WA 99352	c. Type	d. Share Ratio	c. EVMS Acceptance

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

During May 2015, the EAC decreased from \$3,470.1M to \$3,465.0M by (\$5.1M), ((\$6.4M) in the PMB, and \$1.3M in the Non-PMB). Decreases in the PMB were primarily due to FY 2015 rate changes and passbacks reducing projected costs and a decrease to outyear Reliability Project costs. Increases in the Non-PMB were due to changes in the liquidation accounts (G&A, Variable Pools, and DLA). These increases were due to mid-year rate changes impacting liquidation of pools that were offset with reductions to rates for the non-PMB primarily for Work for Others accounts.

Changes in Undistributed Budget:

This reporting period the Undistributed Budget (UB) increased by \$.005 from \$1.3M to \$1.3M for BCR V1000PD-15-003, "Administrative BCR – Mod 459, PMTO 15-004 Nuclear Safety Division Safety Basis Review and Approval Process SIA – Place in Undistributed Budget".

Changes in Management Reserve:

The Management Reserve of \$0.083M did not change this reporting period.

Differences in the Performance Measurement Baseline:

This reporting period the Performance Measurement Baseline budget increased by \$2.9M from \$2,307.9M to \$2,310.8M. This increase is due to implementation of four Baseline Change Requests in May 2015 including: V1000HQ-15-001, "Mod 456, DOE-HQ Human Resource Staffing Process Structured Improvement Activities – Add Scope, Budget and Fee" for \$.021M, V1000PD-15-001 Rev 1, "Mod 457, PMTO 15-002 Development of Dashboard Solutions for ORP Phase 2 – Add Scope, Budget and Fee" for \$.082M, V1000PD-15-003, "Administrative BCR – Mod 459, PMTO 15-004 Nuclear Safety Division Safety Basis Review and Approval Process SIA – Place in Undistributed Budget" for \$.005M, and VMSA-15-012 Rev 1, "Administrative BCR – Re-Allocation of Budget for Mods 444 & 445, Definitization of FY 2014 Labor Adder & Pension Cost Variance Proposal" for \$2.8M to correct liquidation of G&A and DLA accounts and distribute the budget appropriately.

Differences in the Non - Performance Measurement Baseline:

This reporting period the Non-Performance Measurement Baseline budget decreased by (\$2.8M) from \$1,069.0M to \$1,066.2M. This decrease is due to implementation of one Baseline Change Request in May 2015 VMSA-15-012 Rev 1, "Administrative BCR – Re-Allocation of Budget for Mods 444 & 445, Definitization of FY 2014 Labor Adder & Pension Cost Variance Proposal" for (\$2.8M) to correct liquidation of G&A and DLA accounts and distribute the budget appropriately.

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

The Best Case Management Estimate at Completion (EAC) assumes the completion of approved negotiated workscope, management reserve and undistributed budget consistent with the Contract Budget Base. The Most Likely Management EAC reflects the Estimate at Completion including management reserve. The Worst Case Scenario assumes a 5% increase to the Most Likely EAC case scenario.

7.0 USAGE-BASED SERVICES / DIRECT LABOR ADDER SUMMARY

The Direct Labor Adder (DLA) (motor carrier, facilities and janitorial) collects the cost of centralized management, support from other, craft indirect time, and non-labor cost like facilities maintenance. 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 2015 to Date – May 2015				
Account Description	BCWS	ACWP	CV	Liquidation
Direct Labor Adder				
Transportation DLA (3001.04.06.02.01)	9,797.9	3,002.5	6,795.4	(3,362.9)
Maintenance DLA (3001.04.05.02.01)	7,723.9	5,952.6	1,771.3	(5,313.9)
Janitorial Services DLA (3001.04.05.03)	355.8	370.9	(15.1)	(377.8)
Total DLA	17,877.6	9,326.0	8,551.6	(9,054.6)

ACWP = Actual Cost of Work Performed.

BCWP = Budgeted Cost of Work Performed.

CV = Cost Variance

BCWS = Budgeted Cost of Work Scheduled.

BAC = Budget at Completion.



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

Fiscal Year 2015 to Date – May 2015				
Account Description	BCWS	ACWP	CV	Liquidation
Usage Based Services				
Training (3001.04.02)	25,048.8	8,240.6	16,808.2	(8,927.9)
HRIP (3001.02.04.02)	6,424.1	2,974.2	3,449.8	(2,823.2)
Dosimetry (3001.04.02.03)	4,052.8	2,640.1	1,412.8	(2,906.7)
Work Management (3001.04.13.01)	594.6	327.3	267.4	(323.6)
Courier Services (3001.04.14.06)	132.0	127.8	4.2	(127.2)
Occupancy (3001.04.14.06)	10,089.3	3,943.8	6,145.6	(4,081.1)
Crane & Rigging (3001.04.08.02)	22,359.8	7,495.0	14,864.8	(7,253.1)
Fleet (3001.04.07.02)	34,440.8	7,508.2	26,932.6	(7,528.2)
Total UBS	103,142.3	33,256.9	69,885.4	(33,971.0)
Total DLA / UBS	121,019.9	42,582.9	78,437.0	(43,025.6)

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.

Cost Variance (+\$78.4M) – Facility Maintenance costs (i.e., Crane & Rigging, Fleet, Facility Services) are being incurred at a significantly higher level than plan due to the deterioration of aging facilities. In addition, service levels for maintenance and transportation support to Site contractors are running higher than base proposal assumptions. Radiological Site Services (RSS) activities are costing less than planned due to 1) reduced service levels from Site contractors, and 2) efficiencies implemented in executing the RSS program.

During January, MSA completed the detail planning of the definitized cost growth proposals for FY 2009 – FY 2012, and FY 2013 Public Safety & Resource Protection (PSRP) and Waste Sampling and Characterization Facility (WSCF) Ready to Serve. These cost variance proposals were implemented as current period point



adjustments during January 2015 which generated a large spike of BCWS and BCWP and resulted in a large positive cost variance for the current month and fiscal year to date. Although this large cost variance distorts the January 2015 monthly performance and year-to-date performance, the cumulative to date variances are now aligned with the implementation of the prior year cost variance proposals.

8.0 RELIABILITY PROJECT STATUS

Activity in May was centered on continuing progress on projects carried over from FY 2014. (See table 10-1 below.) For further information concerning accomplishments and issues related to the Reliability Projects, refer to the Public Works Service Area section of this report.

Table 8-1. FY12 – FY16 Reliability Projects Summary.

Projects to be Completed (\$000's)													
	Contract to Date - Performance					Thru - FY 2016				Complete Dates			
	BCWS	BCWP	ACWP	SV	CV	BAC	EAC	VAC	% Complete	Complete Date	Forecast Date	Schedule at Complete	VAC Cost
Work Scope Description (RL-14 Projects)													
L-780, 200E 13.8kV ED Sys Mods	213.3	152.4	199.6	(60.9)	(47.2)	7575.2	7575.2	0.0	2%	8/25/16	9/15/16	Y	G
L-858, 200E 13.8kV ED Dsgn & Bse Svc Ld Reconfig	1,034.7	729.3	637.8	(305.4)	91.5	3,550.0	3,137.8	412.2	21%	12/3/15	1/5/16	R	G
L-759, Rebuild Akron Ave, 12th Street to 2704HV	43.5	20.8	8.2	(22.7)	12.6	870.5	839.5	31.0	2%	1/7/16	1/7/16	G	G
Work Scope Description (RL-40 Projects)													
L-830, Filter Plant Filter Ctrl Sys Upgrade	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
L-834, Filter Plant Flocculator Sys Upgrade	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
L-525, 24in Line Replacement 200E	42.9	42.4	21.0	(0.5)	21.4	500.0	331.2	168.8	8%	11/3/15	11/3/15	G	G
L-840, 24in Line Replacement 200W	28.8	28.3	16.7	(0.5)	11.6	485.0	325.4	159.6	6%	11/3/15	11/3/15	G	G
L-867, North Loop Transmission Line Road Access	228.4	210.3	30.2	(18.1)	180.1	400.0	381.4	18.6	53%	9/30/15	9/30/15	G	G
L-761, Replace RFAR Phase 2	534.3	531.8	259.2	(2.5)	272.6	534.7	266.6	268.1	99%	5/28/15	6/4/15	Y	G
HSPD-12, Logical Access Control	227.5	215.8	294.5	(11.7)	(78.7)	273.6	344.6	(71.0)	79%	9/30/15	9/30/15	G	Y

Cost		Schedule	
OK - G	Underspent or 1-10% over	OK - G	On schedule
Over Spent Y	11-30% or 100K Over Spent	Behind Y	Within 30 days
Over Spent R	>30% or 300K Over Spent	Behind R	Greater than 30 days



8.0 RELIABILITY STATUS, CONT.

Variance Explanations

Contract to Date (CTD) Schedule Variance – Project L-780, *200E 13.8kV ED Sys Mods*: The schedule was stasured at 70% for the Ecological and Cultural Reviews, but the work scope was completed in May. The schedule and cost variances are due to understating the amount of work performed, and will be offset in the June 2015 reporting period.

Project L-858, *200E 13.8kV ED Design & Base Service Load Reconfiguration*: The unfavorable schedule variance is due to slow submittals of pre-construction documents. This is impacting mobilization and construction initiation activities. The Technical Baseline schedule was originally resource-loaded based on construction beginning in May 2015.

CTD Cost Variance – Project L-867, *North Loop Transition Line Road Access*: The cost variance is due to only a limited amount of gravel being applied at this time, along with efficiencies regarding crew type and size; support performed by Plant engineers instead of M020 managers; and also significant Construction Manager field involvement, improving project efficiencies regarding field walks and field preparation activities. Additionally, the project has been able to take advantage of ecological and cultural reviews performed by a previous project in the same geographical area.

Project L-858, *200E 13.8kV ED Design & Base Service Load Reconfiguration*: The positive cost variance is due to taking advantage of preliminary design and planning conducted as part of the Integrated Reliability Project Priority List (IRRPL), and normal processes in project planning and estimating that were performed in FY 2013 and FY 2014. For example, the preliminary conceptual design was done in FY 2013 as part of the IRRPL process, and this was used to produce a Statement of Work. As a result, the design contract was awarded early, and with significantly less labor than planned. Ecological and cultural reviews required less effort because the construction is in a previously disturbed area, and falls under the Tank Farms Environmental Impact Statement. Planning meetings held in

FY 2013 and FY 2014 with ORP and WRPS on this project enabled activities that normally are more labor-intensive to be accomplished more quickly and with less cost. The project is under budget but some resources needed for



the construction phase may have been underestimated, and design resources were overestimated. As a result, the variance is expected to be corrected during construction.

Project L-761, *Replace RFAR Phase 2*: Project is complete. The final cost variance is due to efficiencies in developing the design.

Project HSPD-12, *Logical Access Control*: The cost variance is primarily due to budget value not being aligned with available funding.

CTD Variance at Completion (VAC) – Project L-525, *24-Inch Line Replacement, 200E*: VAC is due to cost savings from utilization of previously unavailable internal engineering resources for design production.

Project L-840, *24-Inch Line Replacement, 200W*: The VAC is due to cost savings from utilization of previously unavailable internal engineering resources for design production.

Project HSPD-12, *Logical Access Control*: The VAC is primarily due to being provided an additional \$50K in FY 2014 for continuation of this work scope without the associated budget. MSA is working with RL to submit a new proposal based on a revised execution plan for the remainder of the HSPD-12 work scope.



Table 8-2. Reliability Projects Schedule.

RPSUM CU - Summary RP Schedule for Melodee - Current Layout: MSA - Summ RP Sched - Melodee - CU				Mission Support Alliance					Page 1 of 1											
Activity ID	Activity Name	OD	RD	% Comp	Baseline Start	Baseline Finish	Forecast Start	Forecast Finish	2014 2015 2016											
HSPD-12	HSPD-12 Logical Access Control	277	90	79%	26-Aug-13	30-Sep-15	26-Aug-13 A	30-Sep-15												
L-525	L-525, 24"Line Renovation/Replacement from 2901Y to 200E	152	114	8%	01-Apr-15	03-Nov-15	01-Apr-15 A	03-Nov-15												
L-759	L-759, Rebuild Akron Ave, 12th Street to 2704HV	186	156	2%	13-Apr-15	07-Jan-16	13-Apr-15 A	07-Jan-16												
L-761 PHII	L-761, Replace RFAR (Phase II)	114	8	99%	21-Apr-14	28-May-15	21-Apr-14 A	04-Jun-15												
L-780	L-780, 200E Area 13.8kV Electrical Distribution System WFD Modifications and Upgrades	203	332	2%	19-Jan-15	25-Aug-16	01-Oct-14 A	15-Sep-16												
L-840	L-840, 24"Line Renovation/Replacement from 2901Y to 200W	152	114	6%	01-Apr-15	03-Nov-15	01-Apr-15 A	03-Nov-15												
L-858	L-858, 200E 13.8kV ED Dsgn & Bse Svc Ld Reconfig	102	154	21%	15-Sep-14	03-Dec-15	15-Sep-14 A	05-Jan-16												
L-867	L-867, North Loop Transmission Line Road Access	110	90	53%	15-Apr-15	30-Sep-15	15-Apr-15 A	30-Sep-15												
<div><div>Remaining Work</div><div>Baseline</div></div>									MSC - Reliability Projects Summary Schedule Data Date: 24-May-15											

9.0 BASELINE CHANGE REQUEST LOG

Nine Baseline Change Requests (BCRs) were processed in May.

Two BCRs incorporated Contract Modifications:

- V1000HQ-15-001 – Mod 456, DOE-HQ Human Resource Staffing Process Structured Improvement Activities – Add Scope, Budget and Fee
- V1000PD-15-001 Rev 1 – Mod 457, PMTO 15-002 Development of Dashboard Solutions for ORP Phase 2 – Add Scope, Budget and Fee

Seven BCRs were Administrative in Nature:

- VMSA-15-012 Rev 1 – Administrative BCR – Re-Allocation of Budget for Mods 444 & 445, Definitization of FY 2014 Labor Adder & Pension Cost Variance Proposal
- VMSA-15-013 – Create Two Level Four & Two Level Five WBSs and Move Budget within Human Resources due to HR Reorganization
- V1000PD-15-003 – Administrative BCR – Mod 459, PMTO 15-004 Nuclear Safety Division Safety Basis Review and Approval Process SIA – Place in Undistributed Budget
- VRL40RP-15-010 – Administrative BCR – Move the Remaining Budget for EC28 Crane Procurement from FY 2016 to FY 2015 and Earn Performance as a Point Adjustment
- VSWs-15-022 – Administrative BCR – Create Two Level Five WBSs within IR/CM Facility Management, Move Associated Budget (FY 2015 – FY 2019) and Change Title of Existing Level Five WBS
- VSWs-15-023 – Administrative BCR – Create Three Level Five WBSs within Hanford Site Emergency Alerting System and Move Associated Budget (FY 2015 – FY 2019)
- VUBS-15-001 – Administrative BCR – Create Three Level Five WBSs within Government Owned Facilities and Move Associated Budget (FY 2015 – FY 2019)



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	FY15 Budget	FY15 Management Reserve	Post Contract Budget	Post Contract Mgmt Reserve	Total Lifecycle	Cum Lifecycle Budget
Prior PMB Total	Apr 2015	1,230,506		1,230,506	1,230,506	220,360		1,077,385		2,307,890	2,307,890
VMSA-15-012 Rev 1				0	1,230,506	2,814		2,814		2,814	2,310,704
VMSA-15-013				0	1,230,506	0		0		0	2,310,704
V1000HQ-15-001				0	1,230,506	21		21		21	2,310,725
V1000PD-15-001 Rev 1				0	1,230,506	82		82		82	2,310,807
V1000PD-15-003				0	1,230,506	5		5		5	2,310,812
VRL40RP-15-010				0	1,230,506	826		0		0	2,310,812
VSWS-15-022				0	1,230,506	0		0		0	2,310,812
VSWS-15-023				0	1,230,506	0		0		0	2,310,812
Revised PMB Total	May 2015	1,230,506		1,230,506		224,108		1,080,306		2,310,812	
Prior Non-PMB Total	Apr 2015	604,007		604,007	604,007	120,945		465,019		1,069,026	1,069,026
VMSA-15-012 Rev 1					604,007	(2,814)		(2,814)		(2,814)	1,066,212
VUBS-15-001					604,007	0		0		0	1,066,212
Revised Non-PMB Total	May 2015	604,007		604,007		118,131		462,205		1,066,212	
Total Contract Performance Baseline	May 2015	1,834,513		1,834,513	1,834,513			1,542,511		3,377,024	
Management Reserve	Apr 2015		0	0		83			83	83	83
Revised Management Reserve	May 2015		0	0		83			83	83	
Total Contract Budget Base				1,834,513				1,542,594		3,377,107	
Prior Fee Total	Apr 2015	109,961		109,961		20,870		99,022		208,982	208,982
V1000HQ-15-001						1		1		1	208,983
V1000PD-15-001 Rev 1						3		3		3	208,986
V1000PD-15-003						0		0		0	208,987
Revised Fee Total	May 2015	109,961		109,961		20,875		99,027		208,987	
Change Log Total	May 2015			1,944,473				1,641,621		3,586,094	
NOTE: The following BCR remains in Undistributed Budget and will be detailed planned in the COBRA in the coming months.											
VMSA-13-012 Rev 2 Allocation of Undistributed Budget for Contract Modification 238 and 245, Labor and Pension Cost Growth (\$1,316.9K is left in SWS and will be reinstated as work is definitized).											
V1000PD-15-003 Administrative BCR - Mod 459, PMTO 15-004 Nuclear Safety Division Safety Basis Review and Approval Process SIA - Place in Undistributed Budget (\$4,784 workscope, \$383 fee - both in whole dollars).											



10.0 RISK MANAGEMENT

May risk management efforts, aiding in completing the overall MSA risk determination, include the following:

- Risk Profiles and Risk Handling Plans (RHPs) were updated:
 - Risk Profiles include: top risks, an expected management reserve requirement, and a heat map, which displays the department risks in accordance to their risk scoring.
 - RHPs are mandatory for risks with a priority score of a 4 or 5. The RHPs were reviewed and updated as appropriate.
- Project Risks were reviewed and updated as appropriate.
- The Risk Management Board Meeting is scheduled to be held at the end of June, 2015
- Risk Management reviewed the schedule and scope assumptions for the contract proposals s ensure risks were adequately bound.

90-Day Look Ahead

- Review of Risk Management Plan

EXECUTIVE OVERVIEW



11.0 DASHBOARD SUMMARY

May FY 2015									
Deliverables				Letter Number		Lead		Status	
				Plan	Actual	DOE	MSA	Overall	May
1.0 Effective Site Cleanup									
1.1 Enable mission contractors to achieve their cleanup mission by delivering timely service and reliable infrastructure that support customer key milestones and regulatory									
1.1.1	Demonstrate that the following performance measure targets were met.	9/30/2015			Bird		Brockman		
	Biological Controls – Pest Removal						Fritz		
	Biological Controls – Vegetation						Fritz		
	Biological Controls – Tumbleweed Removal						Fritz		
	Crane and Crew Support						Brockman		
	Cyber Security – System Patching						Eckman		
	Dosimetry – External Services						Wilson		
	Dosimetry – Records Request Fulfillment						Wilson		
	Electrical – Power Availability						Fritz		
	Emergency Radio / SONET Transport Availability						Eckman		
	Facilities Maintenance						Brockman		
	Fire Protection System Maintenance						Walton		
	Fire Protection System Maintenance for PFP						Walton		
	Fleet Services – Heavy Equipment (Cranes)						Brockman		
	Fleet Services – Heavy Equipment (Evacuators)						Brockman		
	Fleet Services – Heavy Equipment (General Purpose)						Brockman		
	Fleet Services – Light Equipment (Hanford Patrol)						Brockman		
	Fleet Services – Light Equipment (Hanford Fire)						Brockman		
	Fleet Services – Light Equipment (Special Purpose Trucks)						Brockman		
	HAMMER – Worker Training Completion Input						Wilson		
	HLAN Availability						Eckman		
	PFP Support						Brockman		
	Radiological Instrumentation Calibration						Wilson		
	SAS Access Denial Request Processing						Brockman		
	SAS Remote Sensor Continuity						Brockman		
	Spent Fuel Activity Support						Brockman		
	Water – Potable						Fritz		
	Water – Raw						Fritz		
1.1.2	Ensure customer satisfaction for all service catalog requests.	9/30/2015			Bird		Brockman		
1.1.3	Implement HNF-54670 (MSA Maintenance Management Program) per the approved implementation schedule.	9/30/2015			Dickinson		Fritz		
1.1.4	Complete planning for execution of Hanford FY16 infrastructure projects to include electrical upgrades necessary for the Office of River Protection (ORP).	9/30/2015			Dickinson		Fritz		
1.1.5	For the areas of computer support, facility occupancy, training, roads and grounds, and warehouse services, develop new performance measures and begin measuring and recording performance data.	2/1/2015	2/1/2015		Bird		Brockman		
	Occupancy								
	Site Training Services and HAMMER								
	Roads								
	Warehouse Operations								
	Network Services								
	Evaluate the effectiveness of the measure and the calculation methodology for all developmental performance measures to determine if the measures achieved their intended purpose	6/15/2015							
	Propose FY16 performance targets	9/30/2015							

EXECUTIVE OVERVIEW



DASHBOARD SUMMARY, CONT.

May FY 2015									
					Lead		Status		
Deliverables		Plan	Actual	Letter Number	DOE	MSA	Overall	May	
2.0 Efficient Site Cleanup									
2.1 Demonstrate MSA's responsiveness and alignment of resources and equipment to meet the cleanup contractors' project requirements in support of key milestones.									
2.1.1	Demonstrate that the following business performance measure targets were met	9/30/2015			Bird	Brockman			
	Rapid Re-alignment of Resources – Usage-Based Services (UBS)								
	General and Administrative (G&A)								
2.1.2	Reduce the Information Technology (IT) infrastructure footprint considering options such as data centers, IT facilities, towers, etc. and submit an execution schedule for approval	12/31/2014	12/30/2014	MSA-1405540	Dickinson	Eckman			
	Implement the FY15 actions per the approved schedule.	9/30/2015							
3.0 Safe and Secure Operations									
3.1 Maintain operational readiness and realize efficiencies through integration, standardization, and consolidation of security systems.									
3.1.1	Implement FY15 actions per the HSPD-12 implementation plan.	9/30/2015			Lowe	Walton			
3.1.2	Complete a review of the Hanford Patrol training program to include the application of the Elite Force training to the protection of special nuclear material from a cost versus benefit perspective and compliance. Ensure the program is aligned with the current site protection strategy and any forthcoming emerging requirements. Identify potential cost-savings initiatives and submit an implementation schedule for DOE approval by 3/31/15. Implement FY15 actions of the approved schedule.	9/30/2015			Lowe	Walton			
3.1.3	Develop a long-term strategy to further consolidate fire operations, emergency preparedness, and safeguards and security activities consistent with shrinking the Hanford footprint to the Central Plateau; for example, port of entry, access control, emergency planning zones, etc. Submit for DOE approval a plan to include key milestones and DOE decision points that facilitate out-year budget planning.	7/31/2015			Lowe	Walton			
4.0 Site Stewardship									
4.1 Achieve effective and efficient utilization of Hanford Site through comprehensive and compliant land management.									
4.1.1	Perform necessary actions for developing an Area Management Plan such as assemble baseline information, perform gap analyses, develop time-phased maps, determine land use decision considerations, develop communications plan, etc., and complete a preliminary draft plan.	9/30/2015			Hathaway	Fritz			
4.1.2	Complete all FY15 reactor ISS five-year re-entries.	6/30/2015			Hathaway	Fritz			
4.1.3	Lead the integrated contractor team to complete the CERCLA five-year review draft.	9/30/2015			Voice	Fritz			
TOTAL OBJECTIVE FEE POOL									

LEGEND

	= On schedule
	= Complete
	= N/A

EXECUTIVE OVERVIEW



DASHBOARD SUMMARY, CONT.

May FY 2015								
Deliverables	Plan	Actual	Letter Number	Lead	Status			
				DOE	MSA	Overall	May	
5.0 Comprehensive Performance								
Support the accomplishment of RL key performance goals.				Branch	Olsen			
Maintain alignment of cost performance with the negotiated estimated costs contained in the contract.								
Work with DOE in a spirit of cooperation during the proposal review and negotiation process, including timely and adequate submission of proposals and requests for additional data, timely counteroffers, and conveying a positive and professional attitude to achieve fair and timely settlement of change order proposals or requests for equitable adjustment, and attaining small business goals.								
Demonstrate operational excellence in business and financial management by fulfilling contractual obligations in a fiscally responsible manner to include, but not limited to, the use of approved purchasing, estimating, accounting, property, budget, planning, billing, labor, and accounting systems; and the contractor's management of government property.								
Provide leadership to improve management effectiveness, collaborate and participate proactively with customers								
Measure overall performance under the contract via the use of a comprehensive performance measurement system.								
Integrate and coordinate all activities required to execute the contract with other Hanford contractors, specifically the timeliness, completeness, and quality of problem identification; and corrective action plans.								
Initiate and provide effective participation in business case analyses and other cross-contractor activities leading to optimal utilization of RL resources(facilities, equipment, material and services) across all Hanford contractors. Continue evaluation and improvement of the Contractor Interface Board and other similar or proposed replacement functions.								
Demonstrate operational excellence in Safeguards and Security, fire and emergency response, and emergency operations/emergency management by fulfilling contractual obligations in a fiscally responsible manner								
Perform work safely and in a compliant manner that assures the workers, public, and environment are protected from adverse consequences..								
TOTAL SUBJECTIVE FEE POOL								

LEGEND

	= On schedule
	= Complete
	= N/A



12.0 CONTRACT DELIVERABLES STATUS

The following tables itemize the contract deliverables due to RL in May, and provide a 30-day look ahead through June 2015.

May 2015 Contract Deliverables

CDRL	Deliverable	Responsible	Date Due	Date Submitted to DOE	Action	Response Time	Date Due from DOE	Date Approved by DOE
CD0123	Monthly Billing Reports for DOE Services - Apr	Eckman	5/5/15	5/5/2015	Review	None	N/A	
CD0144	Monthly Performance Report - Mar	Olsen	5/10/15	5/6/2015	N/A	N/A	N/A	
CD0180	Quarterly Energy Conservation Performance Report	Wilson	5/10/15	5/4/2015	N/A	30 days	N/A	
CD0035	Hanford Site Wildland Fire Plan	Walton	5/15/15	4/27/2015	Approve	30 days	5/28/15	
CD0051	Milestone Review and IAMIT Meeting Minutes - Mar	Wilson	5/21/15	5/14/2015	Information	N/A	N/A	
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service Invoice verification and breakdown of site contractor costs - Mar	Fritz	5/30/15	5/27/2015	Review	30 days	6/27/15	
CD0051	Milestone Review and IAMIT Meeting Minutes - Apr	Wilson	TBD *		Information	N/A	N/A	

NOTE: Areas shaded in gray indicate delivery to DOE, and when the "Date Approved by DOE" is shaded, approval has been received in return.

"Review" responses from DOE are not documented with dates, but shaded when complete.

IAMIT = Interagency Management Integration Team.

TPA = Tri-Party Agreement.

N/A = no action.



June 2015 Contract Deliverables

CDRL	Deliverable	Responsible	Date Due	Date Submitted to DOE	Action	Response Time	Date Due from DOE	Date Approved by DOE
CD0047	Radiological Assistance Program Response Plan for RAP Region 8	Walton	6/1/15	5/26/2015	Approve	60 days	7/26/15	
CD0123	Monthly Billing Reports for DOE Services - May	Eckman	6/5/15		Information	N/A	N/A	N/A
CD0144	Monthly Performance Report - Apr	Olsen	6/8/15	6/10/2015	Review	None	N/A	N/A
CD0083	Annual Electrical Load Forecasts	Fritz	6/15/15		Review	30 days		
CD0008	Force-on-Force Test Results	Walton	6/15/15		Review	45 days		
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service Invoice verification and breakdown of site contractor costs - Apr	Fritz	6/30/15		Review	30 days		
CD0129	Content (Records) Management Security Plan	Eckman	6/30/15	4/28/2015	Approve	45 days	6/13/15	
CD0169	Hanford Site Interface Management Plan	Brockman	6/30/15		Approve	30 days		
CD0051	Milestone Review and IAMIT Meeting Minutes - May	Wilson	TBD*		Information	N/A	N/A	

NOTE: Areas shaded in gray indicate delivery to DOE, and when the "Date Approved by DOE" is shaded, approval has been received in return.

"Review" responses from DOE are not documented with dates, but shaded when complete.

IAMIT = Interagency Management Integration Team.

TPA = Tri-Party Agreement.

N/A = no action.



12.1 GOVERNMENT-FURNISHED SERVICES/INFORMATION AND DOE DECISIONS

There are two GFS/I items due to MSA in 2015:

- GF049, due June 1, 2015: *DOE to provide a Hanford "planning case" budget to prepare the updated Hanford Lifecycle Scope, Schedule, and Cost Report.* On-time delivery of this item is anticipated.
- GF050, due October 31, 2015: *DOE Approval of the DRAFT Hanford Lifecycle Scope, Schedule, and Cost Report.* On-time delivery of this item is anticipated.



13.0 SELF-PERFORMED WORK

Table 15-1. Mission Support Contract Socioeconomic Reporting.

Plan Category	MSA Goal	FY15 Actual TD	Cumulative %	Trend
Small Business	50.0%	37.4%	49.4%	↑
Small Disadvantaged Business	10.0%	3.4%	14.3%	↑
Small Women-Owned Business	6.8%	14.2%	8.8%	↑
HubZone	2.7%	2.0%	2.4%	↑
Small Disadvantaged, Veteran- Owned Business	2.0%	3.7%	3.0%	↑
Veteran-Owned Small Business	2.0%	3.3%	5.3%	↓

= Improved Trend
 = Decreased Trend

Through May 2015

Prime Contract Targets:

- At least 40% contracted out beyond MSA = 47% (\$1,112M / \$2,387M)
- Small Business 25% of Total MSC Value = 23% (\$549M / \$2,387M)

Note: Potential fee reduction based on cumulative at Year 7 of the MSA contract.



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SERVICE AREA SECTIONS

Individual Service Area Section reports for May are included as follows:

- Business Operations
- Emergency Services
- Environment, Safety, Health, and Training
- Information Management
- Portfolio Management
- President's Office
- Public Works
- Site Services & Interface Management

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Business Operations

Rich Olsen, Vice President and Chief Financial Officer

Monthly Performance Report

May 2015



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INTRODUCTION

The Business Operations organization supports the Mission Support Alliance, LLC (MSA) by providing required business administration activities including internal management, human resources, contract and subcontract administration, and financial controls to effectively manage the Mission Support Contract (MSC). Business Operations is responsible for activities that include Human Resources, Finance and Accounting, Program Controls, and Contracts. Human Resources (HR) promotes competitive compensation, benefits, and development opportunities for the MSA and its teaming partners, enabling them to provide distinctive service to customers. HR is also responsible for developing and implementing personnel policies; offering creative staffing solutions; facilitating positive interaction and employee relations; and making cost-effective, value-based decisions. Finance and Accounting includes accounts payable, accounts receivable, general ledger reconciliation, payroll and all payroll services for nine companies, pricing and cost estimating, and validating the timekeeping system. Program Controls includes scope, schedule, and cost baseline management, planning, baseline change, work integration and control, earned value management, and performance reporting. Contracts includes acting as the primary point of contact for the MSA in all contractual matters with the U.S. Department of Energy (DOE), Richland Operations Office (RL); supports all MSA functional areas by providing contract administration and management; monitors all aspects of contract performance; provides subcontracting and purchasing support to accomplish the MSC mission and support the Hanford Site; reviews incoming correspondence for contractual impacts; and assigns and tracks all open action items to completion.

KEY ACCOMPLISHMENTS

PROGRAM CONTROLS

Fiscal Year (FY) 2016 Usage-Based Service (UBS) Forecast – On May 11, 2015, MSA Interface Management, working with Program Controls, issued a request to Washington River Protection Solutions (WRPS) and CH2M HILL Plateau Remediation Company (CHPRC) for service forecasts of UBS for FY 2016. This activity is the initial action required in development of MSA resource planning and associated service rates to deliver right-sized services to site contractors. Service requests are due from site contractors by June 15, 2015, with anticipated preliminary UBS rates available to site contractors and DOE by mid-July. A service forecast request may also be made of Washington Closure Hanford, LLC (WCH) pending clarification on potential contract extension and the need for continuing UBS.

CONTRACTS

Contract Modifications (Mods) – MSA received the following:

- Mod 457 definitizing Portfolio Management Task Order (PMTO) 15-002, Phase 2A Dashboard Support to DOE Office of River Protection (ORP).
- RL definitized Mod 458 incorporating the Transition and Turnover portions only, for two Long-Term Storage (LTS) transfer areas (100K and 100F IU2/IU6 & Segment 4A) into the J-2.
- Mod 459, incorporating Portfolio Management Task Order (PMTO) 15-004, Nuclear Safety Division Structured Improvement Activity.

206.1 DOE Privacy Program Rough Order of Magnitude (ROM) Cost Estimate – RL responded to MSA's 206.1 DOE Privacy Program ROM with questions. The scope involves the protection and reporting of personal information on MSA's 17 Systems of Record. MSA's response to RL's questions was submitted May 7, 2015.

Homeland Security Presidential Directive (HSPD)-12 – MSA delivered to RL the requested, updated implementation plan and ROM for HSPD-12 on May 28, 2015. MSA expects a request for proposal after the updated plan is approved.

MSA Assistance to Lift Stop Work at WRPS – MSA Materials was able to support an emergency procurement of outrigging materials in order to lift a stop work at WRPS. The order was requested April 30, 2015, placed on the same day, and shipped out from Iowa. The materials were received on site May 4, 2015. The materials allowed WRPS engineering to move forward with closing the stop work order.

HUMAN RESOURCES

Hanford Site Pension and Savings Committee – The Hanford Site Pension and Savings Committee met on May 14, 2015. Pension and Savings Plans' investment performance was reviewed, investment pricing methodology was discussed, and preliminary actuarial valuation information was presented. The committee also discussed the status of on-line fiduciary training, potential topics for a committee educational session, and administrative budget performance.

DOE Benefit Plan Metrics – MSA coordinated efforts with various Hanford Site contractors to complete the DOE Benefit Plan Metrics deliverable. The Benefit Plan Metrics assignment is composed of various worksheets containing summary plan data for the Hanford Site Pension and Savings, and Hanford Employee Welfare Trust Benefit Plans. All Site contractors submitted information through the I-Benefits system by the May 18, 2015, commitment date.

FINANCE AND ACCOUNTING

Rate Development – MSA Business Operations transmitted an electronic bulletin to Site users regarding the FY 2015 Rev 1 Forward-Pricing Rates for labor, absence, continuity of service, and continuity of pension rates.

MSA also publicized the FY 2015 updated UBS rates for Fleet Service Center, Crane and Rigging, Training and Hanford Radiological Instrumentation Program (HRIP). MSA developed the FY 2016 Preliminary Labor Rates for 2016 planning.

Support to Ongoing Audits –

- MSA gathered support for the FY 2012 KPMG Incurred Cost Submittal (ICS) audit specific to the preselect adders including the monthly credit invoice, the subcontractor invoice reconciliation and variance analysis, and gathering the transaction detail to support the costing. The FY 2012 ICS audit responses are substantially complete. Additionally, cost transactions for the Parent Organization Support Process were gathered as well as the DOE Approval letters. Inventory change transactions were supported.
- MSA continues to provide timely and accurate responses to the FY 2013 ICS audit inquiries.
- KPMG's audit of the Property System is on-going. KPMG is scheduled for field testing on June 15, 2015.
- KPMG kicked off the FY 2015 Procurement System audit on May 11, 2015, and all information required to date has been provided.
- For the FY 2015 Disclosure Statement Review, KPMG audited the May Disclosure Statement in conjunction with May accounting changes.

LOOK AHEAD

None to report.

MAJOR ISSUES

None to report.

SAFETY PERFORMANCE

No Occupational Safety and Health Administration (OSHA) injuries or First Aid cases were reported for Business Operations in May 2015.

BASLINE PERFORMANCE

Table BO-1. Business Operations Cost/Schedule Performance (dollars in millions).

Fund Type	May 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
FY 2009 Transition Cost	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$5.9	\$5.9	\$5.9	\$0.0	\$0.0
Site-wide Services	\$0.5	\$0.5	\$0.4	\$0.0	\$0.1	\$42.6	\$42.6	\$45.5	\$0.0	(\$2.9)
Subtotal	\$0.5	\$0.5	\$0.4	\$0.0	\$0.1	\$48.5	\$48.5	\$51.4	\$0.0	(\$2.9)

ACWP = Actual Cost of Work Performed.

CV = cost variance.

BCWP = Budgeted Cost of Work Performed.

FYTD = fiscal year to date.

BCWS = Budgeted Cost of Work Scheduled.

SV = schedule variance.

BAC = Budget at Completion.

BASLINE PERFORMANCE VARIANCE

Current Month Cost Variance (+\$0.1M) – The positive cost variance was primarily due to a mid-year FY 2015 retroactive adjustment (reductions) to the MSA labor adders and General and Administrative (G&A) rate.

Contract-to-Date (CTD) Cost Variance (-\$2.9M) – The unfavorable CTD variance is attributable to an increased level of support required for Performance Reporting. Additional efforts were associated with Program Controls system administration; technical baseline support; and change control. The Centralized Procurement Card (P-Card) Purchasing program was added, as well as additional staff support for Labor Relations and the Hanford Employee Welfare Trust. This variance will continue to increase as the number of resources needed to complete this work scope exceeds the number of resources from the original contract bid. In addition, Site Wide Services severance costs in FY 2013 and FY 2014 were not assumed in the baseline, and are contributing to the unfavorable CTD variance.

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Emergency Services

Craig Walton, Vice President

Monthly Performance Report

May 2015



Hanford Fire Department staff (with guests) at the 2015 Safety Exposition (EXPO)



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INTRODUCTION

The Emergency Services (ES) organization supports the site environmental clean-up missions by providing protective forces, physical security systems, information security, personnel security, nuclear materials control and accountability (MC&A), cyber security, program management, fire and emergency response services, and emergency operations.

KEY ACCOMPLISHMENTS

2015 Health & Safety Exposition (EXPO) Kids' Choice Award – Hanford Patrol along with Hanford Fire Department (HFD) participated in the 2015 Health and Safety Expo, May 12-13, 2015, together sharing the “Kids Choice” booths award. HFD members staffed the First Aid Booth, the Exit Drills in the Home (E.D.I.T.H.) display, Sparky the Fire Dog, the exhibit of HFD emergency response vehicles, and the Vehicle Accident Demonstration. Hanford Patrol and their sponsored Explorers manned two booths: Driving Safety and Firearms Safety. Using driving simulation software and a vehicle housed in a trailer, visitors had the opportunity to “drive” a car while avoiding obstacles and distractions. Firearms Safety offered a one-on-one interaction between personnel and visitors. Patrol and the Explorers presented a bicycle safety demonstration for children as well.

EMERGENCY MANAGEMENT PROGRAM (EMP)

Radiological Assistance Program (RAP) Region 8 Support

- RAP Region 8 deployed a team to the Nuclear Weapons Accident Incident Exercise on May 4-8, 2015, in Silverdale, Washington
- RAP Region 8 and the Mobile Detection Deployment Unit (MDDU) program supported the Indianapolis 500 Race May 20-26, 2015

HANFORD FIRE DEPARTMENT (HFD)

HFD Testing and Logistics – HFD Testing and Logistics continued to aggressively work the backlogged testing packages associated with a CH2M HILL Plateau Remediation Company (CHPRC) Technical Safety Requirement (TSR) violation occurrence earlier this year. This effort has resulted in a reduction of backlogged activities and increased the completion percentage of fire system testing packages from 62.5% to 96.3%.

HFD Significant Responses – On May 6, 2015, HFD crews were dispatched to a power pole fire at the old Hanford Irrigation Pumphouse at the Camp Hanford Area. While

the electrical utility was contacted to de-energize the line, extinguishing foam was applied to the ground surrounding the power pole. Once de-energized the extinguishing foam was also applied to the pole.

SAFEGUARDS AND SECURITY (SAS)

Homeland Security Presidential Directive-12 (HSPD-12) – SAS personnel submitted the HPSD-12 Implementation Plan on May 28, 2015 to the U.S. Department of Energy (DOE) Richland Operations Office (RL) and DOE Office of River Protection (ORP).

National Security System Quarterly Report – On May 14, 2015, SAS submitted the National Security System Quarterly Status Report per Contractor Requirement Document (CRD), O 205.1A (Supplemented Rev. 3), (*DOE Cyber Security Management*).

Impact Analysis and Implementation Plan Submitted – SAS submitted to RL an impact analysis and Implementation Plan for CRD O 474.2, *Nuclear Material Control and Accountability*, on May 14, 2015.

Joint Conflict and Tactical Simulation Network System Security Plan – On May 28, 2015, SAS received approval from RL for the Joint Conflict and Tactical Simulation Network System Security Plan (JCATS).

LOOK AHEAD

Nothing to report.

MAJOR ISSUES

Nothing to report.

SAFETY PERFORMANCE

Emergency Services reported no Occupational Safety and Health Administration (OSHA) Recordables in May. One minor First Aid injury was reported involving an employee who received a small abrasion to the arm while opening a valve. One Vehicle Accident was reported during a mutual aid response, when Ladder Truck 1923 backed into the Richland Fire Station, and its ladder contacted the overhang on the roll-up door. Minor damage was incurred.

BASELINE PERFORMANCE

Table ES-1. Emergency Services Cost/Schedule Performance (dollars in millions).

Fund Type	May 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
RL-0020 - Safeguards & Security	\$4.9	\$4.9	\$3.8	\$0.0	\$1.1	\$331.1	\$331.1	\$340.5	\$0.0	(\$9.4)
Site-wide Services	\$2.4	\$2.4	\$2.2	\$0.0	\$0.2	\$150.3	\$150.3	\$155.4	\$0.0	(\$5.1)
Subtotal	\$7.3	\$7.3	\$6.0	\$0.0	\$1.3	\$481.4	\$481.4	\$495.9	\$0.0	(\$14.5)

ACWP = Actual Cost of Work Performed

CV = Cost Variance

BAC = Budget at Completion

FYTD = Fiscal Year to Date

BCWP = Budgeted Cost of Work Performed

SV = Schedule Variance

BCWS = Budgeted Cost of Work Scheduled

EAC = Estimate at Completion

BASELINE PERFORMANCE VARIANCE

Current Month Cost Variance (CV) (+\$1.3M) – The positive cost variance was due to FY 2015 mid-year adjustments (reductions) to labor rate adders and cost credits for over liquidated Unit Billed Service pools.

Contract-to-Date Cost Variance (CV) (-\$14.5M) – The primary drivers for the negative cost variance are implementation of the Graded Security Policy, which was subsequent to the MSA baseline proposal and implementation, and a baseline budgeting omission for platoon shift hours in the HFD. This activity is working to RL-directed contract baseline re-alignment guidance that provides for a higher spending target than the baseline; no mitigating actions are in place at this time to reduce the overall cost overrun.



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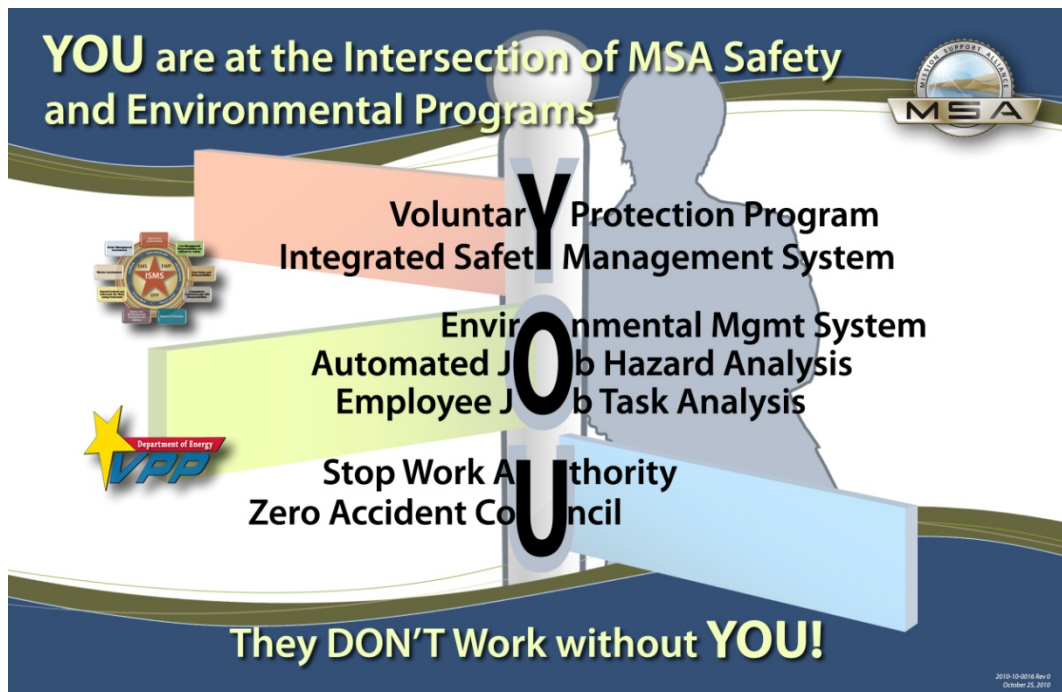


Environmental, Safety, Health & Training

Mike Wilson, Vice President

Monthly Performance Report

May 2015





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INTRODUCTION

The Environmental, Safety, Health, & Training (ESH&T) organization includes Radiological Site Services (RSS), Environmental Integration, Public Safety and Resource Protection, Safety & Health, Nuclear/Radiation Safety, Hanford Atomic Metal Trades Council (HAMTC) Safety Representatives, Safety Culture, and Volpentest Hazardous Materials Management and Emergency Response Training and Education Center (HAMMER). This team ensures that all environmental, safety, health, and training requirements are met so that Mission Support Alliance, LLC (MSA) provides its services in a safe and environmentally sound manner. The ESH&T organization develops, implements, and improves Integrated Safety Management (ISM), worker safety and health, radiation safety, and quality assurance policies and procedures that govern work performed by MSA.

The primary mission of HAMMER is to provide realistic, hands-on, standardized safety and health training to Hanford Site workers, enabling them to perform work in a safe and compliant manner. HAMMER leverages its training expertise to support national and international agencies by providing training for emergency responders and homeland security personnel, helping strengthen the safety and security envelope around the world. HAMMER also performs a critical role for the U.S. Department of Energy (DOE) to ensure energy restoration actions are managed promptly in the wake of natural disasters. Throughout all of these roles, HAMMER holds true to the core value of bringing workers and managers together with a single focus on worker safety.

KEY ACCOMPLISHMENTS

DOE Laboratory Accreditation Program (DOELAP) – The DOELAP for RSS direct and indirect radiobioassay programs was conducted on May 19 -20, 2015. The audit resulted in no deficiencies, no concerns and seven observations. The observations are recommendations for improvement or noteworthy practices, and do not require a corrective action plan or response to DOELAP. Two of the observations were noteworthy practices. Re-accreditation without additional MSA action is expected in the fall.

Relocation of RSS Complete – Hanford External Dosimetry and Hanford Radiological Instrument Programs (HRIP) completed their planned relocation from the 318 facility to the 6266 Building in May. Currently, HRIP is still relying on the well room at 318 one day per week for certain calibrations. The move consisted of the relocation of approximately 18 employees, computer enclaves, and thousands of pieces of equipment. The relocation was implemented with no significant impacts to the



customers, or the departments' ability to meet turnaround time requests/Performance Incentive requirements.

Health & Safety Exposition (EXPO) – MSA served as the executive sponsor for the 21st Health & Safety EXPO that was held on May 12-13, 2015, at the Trade, Recreation and Agricultural Center (TRAC) Facility in Pasco, WA. Over 170 exhibitors were present to promote safety among Hanford workers and members of the community. The event was organized by DOE, various Hanford Contractors, Hanford unions, and the Pacific Northwest National Laboratory (PNNL).

Subcontract for Professional Curatorial and Archival Services Awarded – The MSA Curation Services Program has awarded a subcontract to Washington State University Tri-Cities (WSU-TC). This subcontract is for providing professional curatorial and archival services for the management, conservation, and interpretation of the Hanford Collection, consisting of artifacts, documents, photographs, videos, and films relating to the Manhattan Project and Cold War Era. In addition to public outreach and education, WSU-TC will provide a repository for the collection that meets the requirements for the Curation of Federally Owned and Administered Archaeological Collections (36 CFR 79) including protecting these resources from theft, fire, breakage or deterioration.

Nuclear Forensics Methodologies Course Offered to Representatives from nine Countries – From May 11-22, 2015, the International Atomic Energy Agency (IAEA) and the National Nuclear Security Administration's Office of Nonproliferation and International Security co-sponsored a Nuclear Forensics Methodologies Course at the HAMMER Facility for 21 students representing nine countries.

HAMMER Staff Participate in National Exercise – HAMMER staff deployed in support of Federal Emergency Management Agency's (FEMA) 2015 capstone National Level Southern California Earthquake Exercise. The exercise simulated the massive destruction wrought upon Southern California following a 7.8 magnitude earthquake along the San Andres fault line. HAMMER personnel served as exercise controllers at the Master Control cell in Sacramento, California, and virtually from the HAMMER complex. HAMMER staff also participated as players for the Emergency Support Function #12 - Energy (ESF#12) mission at the FEMA National Response Coordination Center in Washington, DC. ESF#12 Headquarter staff and Regional Coordinators also participated as players for their respective areas. Exercise participation was complicated by the real-world activation and deployment of ESF#12 personnel in support of Typhoon Dolphin.



LOOK AHEAD

MSA Safety Culture Survey – On August 3-21, 2015, MSA will be conducting a safety culture survey using a platform provided by an independent subcontractor. The survey will include a standard set of safety-related questions along with a few MSA-specific questions. This activity aligns with commitments contained in MSAs 2014 Safety Culture Sustainment Plan. The goal is to use survey results in conjunction with data collected from other assessment activities to pinpoint what is working well and what may need improvement.

MAJOR ISSUES

Worker-Trainers – HAMMER staff met with representatives from CH2M HILL Plateau Remediation Company (CHPRC) and Washington River Protection Solutions LLC (WRPS) regarding the need for more worker-trainers. This positive, proactive meeting identified the level of support needed to meet current training demands. A lack of instructors resulted in the cancellation of a Beryllium Postings, Assessment, Characterization/Verification class that was scheduled in May 2015. When instructors are not available, training classes cannot be offered as scheduled. HAMMER is still seeking worker-trainers and subject matter expert instructors for several programs.

SAFETY PERFORMANCE

ESH&T had no Occupational Safety and Health Administration recordable injuries in May.

BASLINE PERFORMANCE

Table ESH&T-1. ESH&T Cost/Schedule Performance (dollars in millions).

Fund Type	May 2015					FY 2015 to Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
RL-40	\$0.3	\$0.3	\$0.4	\$0.0	(\$0.1)	\$38.8	\$38.8	\$42.5	\$0.0	(\$3.7)
SWS – RSS	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$3.9	\$3.9	\$4.5	\$0.0	(\$0.6)
SWS - Energy & Env. Services	\$1.7	\$1.7	\$0.9	\$0.0	\$0.8	\$85.4	\$85.4	\$74.8	\$0.0	\$10.6
SWS-S&H	\$0.9	\$0.9	\$1.2	\$0.0	(\$0.3)	\$73.0	\$73.0	\$87.5	\$0.0	(\$14.5)
SWS – Subtotal	\$2.6	\$2.6	\$2.1	\$0.0	\$0.5	\$162.3	\$162.3	\$166.8	\$0.0	(\$4.5)
Total ESH&T	\$2.9	\$2.9	\$2.5	\$0.0	\$0.4	\$201.1	\$201.1	\$209.3	\$0.0	(\$8.2)

ACWP = Actual Cost of Work Performed

BCWP = Budgeted Cost of Work Performed

BCWS = Budgeted Cost of Work Scheduled

BAC = Budget at Completion

CV = cost variance

FYTD = fiscal year to date

SV = schedule variance

EAC = Estimate at Completion

FYTD BASELINE PERFORMANCE VARIANCE

RL-40

Current Month Cost Variance (CV) (-\$0.1M) – The unfavorable current month variance is predominantly due to the assumption that less Environmental Management (EM) funding would be required because HAMMER could self-fund itself by performing enough services for non-Hanford entities. This assumption has been proven wrong. As a result of this inaccurate assumption, the EM budget will remain lower than the EM funds authorized. This divergent situation will remain and continue to increase the FY 2015 cost variance. Services delivered at HAMMER will not be adversely affected because the services are executed consistent with the approved Integrated Priority List (IPL) scope. No other potential contributing performance issues were identified.

Contract-to-Date Cost Variance (CV) (-\$3.7M) – The unfavorable contract-to-date variance is predominantly due to the assumption that less EM funding would be required because HAMMER could self-fund itself by performing enough services for non-Hanford entities. This assumption has been proven wrong. As a result of this inaccurate assumption, the EM budget will remain lower than the EM funds authorized. This divergent situation will remain and continue to increase the contract-to-date cost variance. Services delivered at HAMMER will not be adversely affected

because the services are executed consistent with the approved IPL scope. No other potential contributing performance issues were identified.

SWS - Radiological Site Services (RSS) Cost Variance

Current Month Cost Variance (CV) (\$0.0M) – The favorable current month variance is within variance thresholds.

Contract-to-Date Cost Variance (CV) (-\$0.6M) – The unfavorable contract-to-date variance is predominantly due to the RSS move to the 200 West Area. 200 West Area facility repairs were not expected when the move funding was established. These unexpected facility repairs included a roof leak repair, a broken motor mount was repaired, and the heating, ventilation, and air conditioning (HVAC) failed. Because nitrogen gas needs out-pace individual bottle racks, a nitrogen gas supply system is being designed and will be installed this summer, along with replacement electrical breakers. This overrun will continue.

SWS – Energy and Environmental Services Cost Variance

Current Month Cost Variance (CV) (+\$0.8M) – The favorable current month variance is primarily due to the approved IPL funding and work scope occurring at a lower level of support than the contract baseline. Expenditures will remain in accordance with approved funding and IPL scope.

Contract-to-Date Cost Variance (CV) (+\$10.6M) – The favorable contract-to-date variance is due to FY 2013-2014 IPL scope and approved funding reductions, resulting in FY 2014 staffing reductions. Most IPL scope, funding and staff were restored in FY 2015. The contract-to-date variance will continue and expenditures will be in accordance with approved funding and IPL scope.

SWS – Safety and Health Cost Variance

Current Month Cost Variance (CV) (-\$0.3M) – The unfavorable current month variance is primarily due to the approved IPL funding and work scope increases in Beryllium. The approved IPL funding and work scope continue at a higher level of support than the contract baseline assumed. No other potential contributing performance issues were identified.

Contract-to-Date Cost Variance (CV) (-\$14.5M) – The unfavorable contract-to-date variance is primarily due to IPL scope and approved funding increases in the Radiation Protection (-\$3.8M), Worker Safety and Health (-\$5.6M), and Beryllium (-\$4.6M) accounts. The approved IPL funding and work scope continue at a higher level of



support than the contract baseline assumed. No other potential contributing performance issues were identified.

MISSION SUPPORT ALLIANCE

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Information Management

Todd Eckman, Vice President

Monthly Performance Report

May 2015



*2506E2 Facility Pacification and Consolidation,
Before..... and After*



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INTRODUCTION

Mission Support Alliance, LLC's (MSA's) Information Management (IM) organization brings best-in-class IM services to the Hanford Site. A variety of infrastructure, services, and applications are provided that include support to safety, security, site infrastructure, and cleanup missions; administrative support systems and processes; telecommunications and network infrastructure; records, document, and content management; cyber security; network operations and security center; desktop services; Information Support Services including reproduction services; site forms; multi-media services; geospatial information management and site mapping services; and the Mission Service Desk; Property and Warehouse Management including inventory management; asset disposition; store delivery; courier; property management and warehouse operations. IM's goal is to ensure technology, solutions, and innovations are supporting every project's success in the Hanford Site cleanup mission. IM's goal is achieved by confirming that top quality services and solutions are delivered in a professional and timely manner.

KEY ACCOMPLISHMENTS

INFRASTRUCTURE SYSTEMS

Project L-761, Radio Fire Alarm Reporter (RFAR) Phase 2 Communication System Installation – MSA IM completed the installation of two antennas on the Federal Building. Two antennas were installed for redundancy, and a backup power rack was also installed. The antennas will provide future RFAR services to the North.

2506E2 Facility Pacification and Consolidation Cutover Complete – As part of the Site facility pacification project, the cutover of building 2506E2 was completed successfully on May 15, 2015. The pacification included removing all Hanford Local Area Network (HLAN) electronics from the 2506E2 building, and converting to a passive fiber optic cross-connect facility. All transition work was completed on the same day to reflect the changes to infrastructure, telecommunications and networking.

SourceFire/ESX Server Implemented – During the week ending May 24, 2015, MSA Cyber Engineering resolved issues with the FirePower module in the core firewall. This allowed implementation incident responders to begin monitoring internal traffic for cyber threats. The SourceFire sensors were also replaced, eliminating some aging hardware.



Move to Skype for Business®¹ Improves Security – On May 22, 2015, the Skype for Business 2015 user interface replaced the Lync®² 2013 user interface. This change was introduced as part of a critical security patch for the client software and was communicated in a general delivery message.

CONTENT & RECORDS MANAGEMENT

Integrated Document Management System (IDMS) Support – The MSA IM, Records Information Management (RIM) team received numerous information data requests for processing. Team members conducted database searches for key phrases and names, and provided responsive documents once concurrence was received from the appropriate Site contractor record officers.

Records Management Access Portal (RMAP) Records Transfer Form (RTF)

Enhancements/Virtual Box (VBR) Module in Production – The Records Management Access Portal (RMAP) Records Transfer Form (RTF) enhancements and the new Virtual Box module were moved to production on May 12, 2015. This functionality allows users to search, run reports and revise RTFs. Users can create a virtual box from the RTF module for new RTFs or create a virtual box request for boxes already in storage. The VBR will identify whether the records or VBR are sensitive, and identify who should have access to the records. The VBR also ensures that virtual boxes are scheduled according to the Hanford Integrated Records Schedules (HIRS)-approved schedules.

INFORMATION SYSTEMS

Enterprise Driven Geospatial Engine (EDGE)®³ Kicked off – MSA-IM officially kicked off work on the EDGE implementation project. EDGE is a usable, efficient, and enduring geospatial application development framework that supports existing and emerging mapping requirements as needed. The development environment is installed and functional. EDGE is scheduled to be implemented in production by fiscal year end. EDGE is the configurable and extendible commercial off-the-shelf (COTS) product selected to replace the Hanford application Qmap. It is a reusable, efficient, and enduring geospatial application development framework that supports existing and emerging mapping requirements.

¹ Registered trademark to Microsoft Corporation

² Registered trademark to Microsoft Corporation

³ Registered trademark to Latitude Geographic Company



LOOK AHEAD

Server 2003 Retirement Project (Web Server Administrators) – With support ending for Microsoft® Windows Server 2003⁴, all affected applications either must be migrated to newer host servers or retired. This effort requires engaging and coordinating with application owners, developers, web server administrators, and other stakeholders. CH2M HILL Plateau Remediation Company (CHPRC) has 30 applications currently in production status. To date, three applications are set to be retired or are being replaced, six have been migrated to new development and test servers, and most others are scheduled. All applications will be moved to new hosts by early May, and all applications will be on new production servers before June 14, 2015.

U.S. Department of Energy (DOE) Records Management Support to Office of River Protection (ORP) – An IM Record Management specialist met with DOE Richland Operations Office (RL) representatives and the RL Correspondence Control (RLCC) manager to discuss the relocation project that is starting at the ORP. Once the ORP correspondence control group is trained, they will start the hard-copy-to-electronic-copy process that RLCC is performing by permanently taking the retired boxes out of storage, reviewing the hard copy images, verifying them in the IDMS “Reference to Hard Copy” area, making any updated process changes, and moving the files into electronic format. This will reduce the number of boxes being stored, and help ORP meet its “going green” goal.

Washington River Protection Solutions LLC (WRPS) Waste Transfer Road Map (WTRP) Development Started – MSA IM started work on the requirements gathering and design development for the Waste Transfer Road Map (WTRM) project. This project will define and document a design for implementing an electronic interactive map for waste transfer planning.

MAJOR ISSUES

No issues identified.

SAFETY PERFORMANCE

There were no Occupational Safety and Health Administration recordable injuries. There were two minor First Aid injuries. One injury involved a worker with a strained arm, and the other a strained shoulder. There were no Vehicle Accidents reported in May.

⁴ Registered to Microsoft Corporation

BASLINE PERFORMANCE

Table IM-1. Information Management Cost/Schedule Performance (dollars in millions).

Fund Types	May 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
RL-0020 - Safeguards & Security	\$0.2	\$0.2	\$0.2	\$0.0	\$0.0	\$9.2	\$9.2	\$11.8	\$0.0	(\$2.6)
RL-0040 - Nuc. Fac. D&D - Remainder Hanford	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$2.1	\$2.1	\$1.7	\$0.0	\$0.4
Site-Wide Services	\$3.3	\$3.3	\$2.3	\$0.0	\$1.0	\$218.9	\$218.9	\$213.6	\$0.0	\$5.3
Subtotal	\$3.5	\$3.5	\$2.5	\$0.0	\$1.0	\$230.2	\$230.2	\$227.1	\$0.0	\$3.1

ACWP = Actual Cost of Work Performed

CV = cost variance

BCWP = Budgeted Cost of Work Performed

FYTD = fiscal year to date

BCWS = Budgeted Cost of Work Scheduled

SV = schedule variance

BAC = Budget at Completion

EAC = Estimate at Completion

BASLINE PERFORMANCE VARIANCE

CURRENT MONTH BASELINE PERFORMANCE VARIANCE

Cost Variance (+\$1.0M) – MSA completed re-aligning the baseline to the negotiated contract, and using the approved change control process, implemented the re-aligned baseline data. RL provided approval of the baseline data for reporting progress, and also provided an approved and funded priority list of items for MSA work scope.

The majority of the variances in these accounts are due to the approved funding and Integrated Priority List (IPL) scope being divergent from the baseline. FYTD variances will continue and expenditures will be in accordance with approved funding and IPL scope. Near the end of the fiscal year, MSA will assess any potential need for a cost growth proposal, and if deemed necessary, will develop and submit a proposal.



CONTRACT-TO-DATE BASELINE PERFORMANCE VARIANCE

Cost Variance (+\$3.1M) – MSA completed re-aligning the baseline to the negotiated contract, and using the approved change control process, implemented the re-aligned baseline data. RL provided approval of the baseline data for reporting progress, and also provided an approved and funded priority list of items for MSA work scope.

The majority of the contract-to-date variances in these accounts are due to the approved funding and IPL scope being divergent from the baseline. CTD variances will continue and expenditures will be in accordance with approved funding and IPL scope. Near the end of the fiscal year, MSA will assess any potential need for a cost growth proposal, and if deemed necessary, will develop and submit a proposal.



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MISSION SUPPORT ALLIANCE

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



Portfolio Management

Steve Young, Vice President

Monthly Performance Report

May 2015



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INTRODUCTION

The Mission Support Alliance, LLC (MSA) Portfolio Management (PFM) functional area delivers an integrated approach that allows the U.S. Department of Energy (DOE) Richland Operations Office (RL) to make informed decisions on cleanup efforts through alignment and integration of contractor data across government and contracting entities responsible for environmental cleanup at the Hanford Site. Through this integration, MSA PFM provides the technical support and expertise in project, portfolio, and enterprise management that allows continual optimization of the cleanup mission lifecycle, and enables DOE to successfully achieve the Hanford End State Vision. The MSA PFM organization includes: Lifecycle Planning; Work Planning, Change Control and Reporting; Mission Support; Budget Planning and Analytical Tools; and Project Interface. MSA PFM is organized to provide analytical and unbiased recommendations to enable DOE to apply its resources in the best way possible to meet mission objectives and optimize operations.

KEY ACCOMPLISHMENTS

Fiscal Year (FY) 2017-2021 Budget Formulation – With the successful upload of the FY 2017-2021 RL budget request from the Hanford Ranked Integrated Priority List (RIPL) to the DOE Office of Environmental Management (EM) Budget Prioritization Module (BPM), MSA and DOE have identified suggested improvements for RIPL. These improvements will increase functionality and speed, as well as better align the data for future uploads to EM. MSA will begin incorporating these enhancements as agreed to with RL.

PFM completed a comparative analysis of the data in RIPL, BPM and Integrated Planning, Accountability, and Budgeting System (IPABS) to ensure consistency and traceability. Milestone differences were due to timing or limitations in BPM. All results were documented and delivered to the DOE Assistant Manager for Business and Finance (AMB). The documentation will enable rapid response to questions and facilitate any changes to BPM if it is reopened.

Decision Management (Hanford Contract Alignment Board [HCAB]/ Energy Systems Acquisitions Advisory Board-Equivalent [ESAAB-E]) – PFM closed and completed the Disposition Notification for eight Decision Summary Forms (DSFs) that were approved during the last Decision Management, HCAB/ESAAB-E board meeting, and completed Disposition Notifications for each one.



The next Integration Support Team (IST) meeting is scheduled for June 18, 2015 and will include representation from the DOE Office of River Protection (ORP).

Hanford Lifecycle Scope, Schedule and Cost Report (Lifecycle Report) – PFM prepared draft dispositions to comments received on the 2015 Lifecycle Report for consideration in revising the 2016 Lifecycle Report. After considering the ongoing Tri-Party Agreement (TPA) milestone negotiations and the requirement to present a compliant planning case in the report, PFM developed and reviewed options for preparing the RL planning case to be presented in the 2016 Lifecycle Report and the draft report schedule.

Analytical Tools – MSA released an update to the Geographic Visualization (GeoVis) application into production seven weeks ahead of schedule. GeoVis is a web-based tool that displays site cleanup objects and remediation progress. This completes the RL-requested work plan deliverable of integrating subsequent units for individual development into GeoVis.

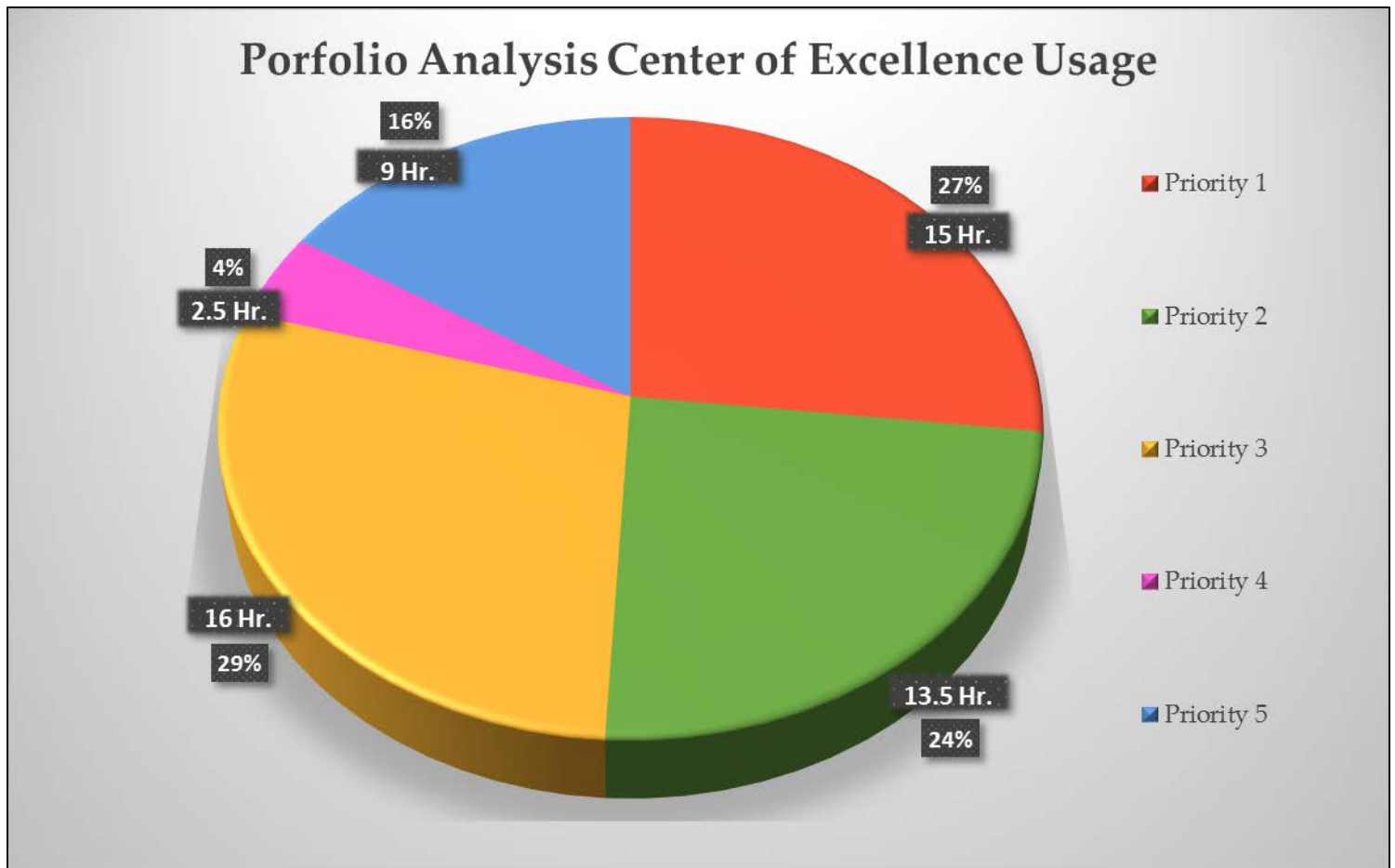
The new DOE Assistant Manager for River and Plateau (AMRP) Monthly Project Status Report was deployed on May 29, 2015 with the purpose to generate, save, and retrieve project monthly status reports by Project Breakdown Structure (PBS) and activity. This completes a FY 2015 work plan deliverable.

Issue Tracker projects for the ORP Assistant Manager for Technical and Regulatory Support (TRS) Image Report, Safety Report and Safety Report Administration were deployed to production on May 28, 2015. These projects modules will allow users to input safety data for the upcoming TRS dashboard.

Dashboards – Revisions to the ORP overall dashboard were deployed on May 29, 2015 per customer requirements to refine the focus areas, incorporate additional reports, and integrate links to other systems.

PFM met with the Deputy Project Manager and contract management staff for Washington River Protection Solutions (WRPS). A demonstration of the Portfolio Analysis Center of Excellence (PACE), dashboards and the GeoVis application were provided. The primary interest was on dashboards and how Portfolio Management can assist in streamlining project metrics and reporting.

Portfolio Analysis Center of Excellence (PACE) – Metrics for the PACE are provided in hours of usage via a dashboard. For the month of May the metrics are as follows:



MSA completed installing the new three-wall workstation in the PACE and replaced the audio receiver to eliminate speaker distortion. The new machine is noticeably faster and initial comments on its performance have been positive.

PFM supported Hanford Day for the Leadership Tri-Cities class by coordinating presentations by the RL Manager, the ORP Deputy Manager, and leadership for each site prime contractor. Overviews of the Hanford cleanup mission were provided as well as leadership best practices.



LOOK AHEAD

Nothing to report.

MAJOR ISSUES

None to report.

SAFETY PERFORMANCE

There were no Occupational Safety and Health Administration recordable or First Aid injuries reported for PFM in May 2015.

BASELINE PERFORMANCE

Table PFM-1. Portfolio Management Cost/Schedule Performance (dollars in millions).

Fund Type	May 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
1000HQ – DOE-HQ Funding	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.1	\$0.1	\$0.1	\$0.0	\$0.0
1000PD - Richland Program Direction	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.2	\$0.2	\$0.2	\$0.0	\$0.0
RL-0011 - Nuclear Mat Stab & Disp PFP	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.1	\$0.1	\$0.1	\$0.0	\$0.0
RL-0040 - Nuc Fac D&D Remainder Hanfrd	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.1	\$0.1	\$0.0	\$0.0	\$0.1
RL-0041 - Nuc. Fac. D&D RC Closure Proj	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1.1	\$1.1	\$1.0	\$0.0	\$0.1
Site-Wide Services	\$1.2	\$1.2	\$0.5	\$0.0	\$0.7	\$41.3	\$41.3	\$39.6	\$0.0	\$1.7
Subtotal	\$1.2	\$1.2	\$0.5	\$0.0	\$0.7	\$42.9	\$42.9	\$41.0	\$0.0	\$1.9

ACWP = Actual Cost of Work Performed

CV = cost variance

BCWP = Budgeted Cost of Work Performed

FYTD = fiscal year to date

BCWS = Budgeted Cost of Work Scheduled

SV = schedule variance

BAC = Budget at Completion

EAC = Estimate at Completion

BASELINE PERFORMANCE VARIANCE

Current Month Cost Variance (CV) (+\$0.7M) – A Baseline Change Request (BCR) was implemented for FY 2014 pension and labor adders in the current period.

Contract-to-Date (CTD) Cost Variance (CV) (+\$1.9M) – The positive CTD variance is primarily due to activity in FY 2013 Site-Wide Services: less Portfolio Management professional support was required than assumed and less consulting subcontract support was utilized. The positive variance is partially offset by additional Information Technology subcontract resources.



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MISSION SUPPORT ALLIANCE

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President's Office

W. K. Johnson, President

R. E. Wilkinson, Chief Operations Officer

Monthly Performance Report

May 2015



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INTRODUCTION

The President's Office (PO) is comprised of site-wide services consisting of the Communications & External Affairs (C&EA) and Quality & Performance Assurance (Q&PA).

The C&EA department provides a myriad of communication functions for U.S. Department of Energy (DOE), Hanford Site contractors, employees, and the public. The group supports DOE's Richland Operations Office (RL), addressing specific contractual objectives, commitments and milestones, and manages the Hanford Speakers Bureau and Hanford Public Tour programs. Communication efforts are facilitated internally through General Delivery Messages (GDM) and the Mission Support Alliance, LLC (MSA) internal newsletter, *Streamline*, and externally to the public through news releases, public presentations, and assisting in corporate involvement in area organizations. The C&EA function also facilitates community outreach on behalf of MSA and its employees.

The scope of the Quality & Performance Assurance (Q&PA) organization is twofold. First, Q&PA establishes quality requirements for MSA and its subcontractors. Second, Q&PA provides MSA Management with the information to evaluate and improve all aspects of the organization and the structure to formulate effective corrective actions.

KEY ACCOMPLISHMENTS

COMMUNICATIONS

Support to RL Tour Groups – MSA provided supported to RL for four separate groups tour groups in May.

- Leadership Tri-Cities (LTC) Class 20 visited Hanford, with facility briefings at the Waste Treatment Plant, the Environmental Restoration Disposal Facility (ERDF), and the Cold Test Facility, as well as a briefing near the base of Gable Mountain. MSA developed and distributed the tour agenda, secured facility briefers and tour guide, coordinated efforts for safe access around the base of Gable Mountain, and provided emergency response radio and other tour materials.
- The State and Tribal Government Working Group (STGWG) also visited Hanford in May. MSA procured two tour guides for the tour group, delivered 60 lunches to the site, assisted with departure and return of the tour group, and provided logistics support throughout the day for one of the two tour buses.



- MSA additionally coordinated two college tours for RL that took place in May, one from Western Washington University, Environmental Toxicology and Chemistry class, and one from Oregon State University, Nuclear Engineering and Health Physics class. Support included communicating with college professors; providing information on Identification (ID) requirements for Hanford Site access and Hanford security and safety guidelines; obtaining visitor names and submitting to Visitor Control for badging; securing tour guides and facility briefers; preparing information for tour guides; ordering transportation; developing and distributing tour agendas; supplying emergency radios and emergency response procedures; and assisting at the departure and return of each tour.

Hanford Site Public Tours Update – MSA conducted public tours 5 through 12 (out of 40 total planned for the year). To date, 700 visitors have participated in the 2015 Hanford Site Public tours, which is a 76% participation rate.

QUALITY & PERFORMANCE ASSURANCE

Supplier Evaluations/Source Inspections/Audits – There were several Source Inspections and Audits performed during the reporting period in support of other Hanford contractors, including Washington River Protection Solutions LLC (WRPS), and CH2M HILL Plateau Remediation Company (CHPRC).

Source Inspection activities performed during the reporting period included:

- Material Handling Facility (MHF) Services for CHPRC. Inspection activities on 7A containers include welding, pre-paint, thread engagement, and configuration control.
- American Geological Institute (AGI) Engineering for WRPS. Inspections included testing and preventive maintenance activities for the Standard and Extended Reach Sluicers.
- First Article Source Inspection activities at American Boiler Works for CHPRC. Source Inspection activities included configuration control, pre-weld and welding operations for the Sludge Treatment Storage Containers.
- Hydro Testing Source Inspection activities at Columbia Energy & Environmental Services on the UX302 Pumping Equipment for WRPS.
- Ion Exchange Modules at Orbit Industries for CHPRC. Source Inspection activities included weld inspections, fabrication configuration control, and hydro testing.



Audit activities performed during the reporting period included:

- Pacific Northwest National Laboratory's (PNNL) Rad Con Calibration Services for MSA Radiological Site Services.
- PNNL's Nondestructive Assay Services for CHPRC.
- Supplier Evaluation of PNNL's Analytical Support Operations (ASO) Group for CHPRC.

LOOK AHEAD

None identified.

MAJOR ISSUES

None identified.

SAFETY PERFORMANCE

In May, the President's Office reported no Occupational Safety and Health Administration (OSHA) Recordable injury or First Aid injury cases.



BASELINE PERFORMANCE

Table PO-1. President's Office Cost/Schedule Performance (dollars in millions).

Fund Type	May 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
Site-wide Services	\$0.5	\$0.5	\$0.4	\$0.0	\$0.1	\$32.4	\$32.4	\$34.5	\$0.0	(\$2.1)
Subtotal	\$0.5	\$0.5	\$0.4	\$0.0	\$0.1	\$32.4	\$32.4	\$34.5	\$0.0	(\$2.1)

ACWP = Actual Cost of Work Performed.

CV = cost variance.

BCWP = Budgeted Cost of Work Performed.

FYTD = fiscal year to date.

BCWS = Budgeted Cost of Work Scheduled.

SV = schedule variance.

BAC = Budget at Completion.

EAC = estimate at completion

CTD = Contract-to-Date

BASELINE PERFORMANCE VARIANCE

Current Month Cost Variance (+\$0.1) – The positive cost variance was primarily due to a mid-year FY 2015 retroactive adjustment (reductions) to the MSA labor adders and General and Administrative (G&A) rate.

Contract-to-Date (CTD) Cost Variance (-\$2.1M) – The unfavorable CTD variance is due to increased Mission Support Contract (MSC) Strategy work scope that wasn't assumed in the baseline. In addition, through the annual Integrated Priority List (IPL) process, the Quality Assurance organization has been authorized/funded to perform more work than planned in the baseline. The unfavorable variance is partially offset by a lower than planned volume of support requests for External Reviews.

MISSION SUPPORT ALLIANCE

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Public Works

Lori Fritz, Vice President

Monthly Performance Report

May 2015



Switching Station Preventative Maintenance by Electrical Utilities Crew



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INTRODUCTION

The Mission Support Alliance, LLC (MSA) Public Works (PW) function provides a myriad of services to support a broad base of customers performing their respective Hanford Site missions. PW provides best-in-class operations and support services within a culture of safety, customer service and fiscal responsibility. PW services include: Strategic Planning and Reliability Projects (Infrastructure and Services Alignment Plan [ISAP]), Ten Year Site Plan and Reliability Projects, Site Infrastructure Services (Electrical Utilities, Water Utilities, B Reactor, Roads and Grounds, and Biological Controls), Facilities Management (Work Management, Operations & Maintenance and Custodial Services), Real Property & Projects, and Compliance & Risk Mitigation. PW's goal is to provide cost-effective and timely services that are centered on customer needs in support of the Hanford environmental cleanup objectives.

KEY ACCOMPLISHMENTS

Electrical Utilities (EU) Cleans Up More Waste Preparing for Shipment – Aligning with EU's goal of reducing backlog waste streams, containers for both Basin Disposal, Inc. (BDI), and the Environmental Restoration Disposal Facility (ERDF) were filled with EU's 253E Laydown Yard waste. Included was utility pole hardware, such as porcelain insulators, lead tipped pins, wire, glass, treated wood, wire, and general debris. In addition, to improve organization at the 253E Laydown Yard, areas were graveled and graded, storage boxes staged, and equipment and parts sorted.



Laydown Yard Graded Following Removal of Surplus Equipment

Waste Treatment Plant (WTP) Switching Support – EU provided switching support on the WTP temporary construction service. This switch allowed Bechtel National Inc. to perform their annual electrical maintenance activities.



EU Crew at Electrical Switch at WTP

Maintenance at 230kV Ashe Tap Switching Station – EU completed preventive and corrective maintenance at the 230kV Ashe Tap Switching Station. EU cleaned, tested, and replaced several items including hand-crank mechanisms, line switches, and vacuum interrupters. This effort was completed in a short timeframe to minimize impacts to the Energy Northwest refueling outage.



EU Crew Performing Maintenance at 230kV Ashe Tap Switching Station

Lift Station 12 Repair for the 331 Aquatics Laboratory Facility – The sewer infrastructure transports wastewater from various 300 Area facilities to the collection system flowing to the City of Richland (WA) Wastewater Treatment Plant. In May, one of the primary lift stations, LS-12, experienced a failure of one of the two pumps. This lift station is critical in supporting the operations of the 331 Aquatics Laboratory, operated by Pacific Northwest National Laboratories (PNNL). MSA Maintenance Services developed the necessary planning documents to execute a pump replacement

for the lift station. This effort was coordinated with PNNL so that operations of the Aquatics Lab were not impacted. Follow on corrective actions were taken to meet current established electrical codes. Lift Station 12 was placed back into operation May 20, 2015, to provide reliable wastewater service to the 331 facility.

Acquisition of Compactor Truck – MSA acquired a new compactor truck that will be used to assist with tumbleweed removal across the Hanford Site, disposing of both regulated and non-regulated tumbleweeds. Currently, three refuse trucks are in use; however, these vehicles are over 20 years old with mechanical issues limiting the amount of time they are available for use. The new compactor truck will help alleviate the workload, downtime, and provide a more reliable vehicle in support of MSA Biological Controls' many customers.



New Biological Controls Compactor Truck

Hanford Comprehensive Land Use Plan Supplement Analysis (SA) – MSA Real Estate Services (RES) has been working with U.S. Department of Energy (DOE) Richland Operations Office (RL) to disposition DOE Headquarters (HQ) comments and finalize the SA document. The RL Site Manager approved the document on May 7, 2015, and the document will be readied for public release and final closeout. This completes a one-and-a-half year effort by MSA to prepare the draft and assist RL with finalizing the document. The next National Environmental Policy Administration (NEPA) five-year review will take place in 2020.

LOOK AHEAD

Nothing to report.

MAJOR ISSUES

350 Sewage Lift Station Repair and Componentry Replacement – On April 20, 2015, during daily monitoring rounds, Water & Sewer Utilities (W&SU) Stationary Operating Engineers (SOEs) discovered that the 350 Sewage Lift Station had experienced system failure. The SOEs immediately informed W&SU Management, who made the

appropriate notifications to RL, MSA, and PNNL, whose maintenance shop and two support buildings rely on the 350 Sewage Lift Station. Early identification of the failure prevented an upset condition; however, water had to be shut off to the lift station and three adjoining PNNL buildings to perform an investigation and subsequent repairs. W&SU provided drinking water, portable restrooms, and hand wash stations to avoid disruption to PNNL operations. Investigation revealed two nearly 20-year-old pumps that had outlived their design life cycle, a float tree that needed to be replaced, piping that required a confined space entry, and wiring that was not up to current code. In coordination with MSA Site Services and Interface Management, crews completed all work during a weekend shift; service was restored on May 10, 2015.



Pump Repairs Made at 350 Sewage Lift Station

SAFETY PERFORMANCE

During the month of May, there were no Occupational Safety and Health Administration recordable injuries reported within Public Works. There were two minor First Aid cases reported: an employee reported leg soreness after extensive walking in desert terrain, and another employee reported wrist and hand pain and numbness from repetitive work.

BASELINE PERFORMANCE

Table PW-1. Public Works Cost/Schedule Performance (dollars in millions).

Fund Type	May 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
RL-0014 - Rad Lqd Tk Wst Stab & Disp Ops	\$0.5	\$0.1	\$0.1	(\$0.4)	\$0.0	\$3.8	\$3.4	\$3.1	(\$0.4)	\$0.3
RL-0020 – Safeguards & Security	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1.3	\$1.3	\$1.6	\$0.0	(\$0.3)
RL-0040 - Nuc. Fac. D&D - Remainder Hanf	\$1.1	\$1.1	\$0.1	\$0.0	\$1.0	\$48.0	\$48.0	\$54.9	\$0.0	(\$6.9)
RL-0041 - Nuc. Fac. D&D - RC Closure Proj	\$0.2	\$0.1	\$0.1	(\$0.1)	\$0.0	\$14.3	\$14.2	\$13.8	(\$0.1)	\$0.4
RL-0044 - B Reactor	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.1	\$0.0	(\$0.1)
RL-0100 - Richland Comm & Reg Supt	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.3	\$0.0	(\$0.3)
Site-Wide Services	\$3.4	\$3.4	\$3.7	\$0.0	(\$0.3)	\$243.5	\$243.5	\$254.6	\$0.0	(\$11.1)
Subtotal	\$5.2	\$4.7	\$4.0	(\$0.5)	\$0.7	\$310.9	\$310.4	\$328.4	(\$0.5)	(\$18.0)

ACWP = Actual Cost of Work Performed.

CV = cost variance.

BCWP = Budgeted Cost of Work Performed.

FYTD = fiscal year to date.

BCWS = Budgeted Cost of Work Scheduled.

SV = schedule variance.

BAC = Budget at Completion.

EAC = Estimate at Completion

BASELINE PERFORMANCE VARIANCE

Current Month Schedule Variance (SV) (-\$0.5M) – Within threshold.

Current Month Cost Variance (CV) (+\$0.7M) –

RL-40 (+\$1.0M) – The positive cost variance (+\$0.8M) was due to a point adjustment made in May to move BCWS from FY 2016 to FY 2015 and earn full BCWP for crane purchases that occurred in FY 2010 per MSA Baseline Change Request (BCR) VRL40RP-15-010 dated 4/30/15.

Contract-to-Date Schedule Variance (SV) (-\$0.5M) – Within threshold.

Contract-to-Date Cost Variance (CV) (-\$18.0M) – The cumulative variances are due to the approved funding and priority list scope being divergent from the baseline. The key drivers to this variance are as follows:

SWS (-\$11.1M) includes:

- 1) Electrical Utilities – More material procurements were made due to new requirements that were not included in the baseline. These new requirements were the disposal of Power/Telecommunications lines to the Environmental Restoration Disposal Facility, a trailer mounted load center, bushings to replace the A-9 Transformer (needed for an unplanned outage), spare parts from a vendor who is going out of business, an infrared camera, and an analyzer. In addition, the baseline was not adequate for a number of maintenance items that needed to be replaced due to the aging life of the infrastructure on the Hanford site. An Enhanced Maintenance Program has been established to better predict future system failures and Predictive Maintenance is replacing the Preventative Maintenance method. Electrical Services is significantly divergent from the baseline. Contract to date variance (-\$12.8M) is primarily due to repairs relating to an aging infrastructure and upgraded staffing requirements for the labor force.
- 2) Water & Sewer Utilities – Staffing levels are currently higher than the baseline due to the maintenance activities required to keep the water and sewer distribution system maintained. The system has degraded across the site due to age. W&SU is also part of the Enhanced Maintenance Program, and has compliance issues that have increased the cost to the program. Water & Sewer Utilities is significantly divergent from the baseline. Contract to date variance (-\$14.5M) is principally due to extensive infrastructure repairs and implementation of a preventative maintenance program.
- 3) Other significant SWS contract to date variances include Waste Sampling and Characterization Facility (WSCF) (+\$2.5M), Roads & Grounds (+\$2.2M), Sanitary Waste Management and Disposal (+\$0.8M), Traffic Management (+\$1.6M), Site Infrastructure and Logistics Program Management (-\$1.5M), Work Management (-\$1.4M), Land and Facilities Management (+\$2.7M), and Central Engineering (+\$9.1M), all of which have been previously reported.

RL-40 (-\$6.9M) includes variances from several prior year Infrastructure Reliability Projects that have also been previously reported. Those projects include: L-449, Mortar Line 12-inch Water Line – Baltimore Ave. (+\$0.9M), L-399, *T-Plant Potable & Raw Water Line* (+\$1.5M), L-311, *200W Raw Water Reservoir Refurbish* (+\$4.0M), L-691, *Construct Sewer Lagoon in 200 West* (-\$3.0M), L-506, *Upgrade RTUs & SLAN – CE* (-\$1.4M), L-683, *251W Facility Mods for Dispatch Center* (-\$1.5M), L-753, *Maintenance Shelters for Crane & Rigging* (+\$1.1M), Reliability Project Spares Inventory Change (-\$2.2M), ET-51, *HLAN*



Network Upgrade - Phase 2 (-\$1.1M), L-713, Records Storage Facility (-\$2.2M), and ET60, Enterprise Voice over Internet Protocol (VoIP) Solution, Implementation (-\$2.5M).



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MISSION SUPPORT ALLIANCE

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



Site Services & Interface Management

P.K. Brockman, Vice President

Monthly Performance Report

May 2015



*Crews Work in Confined Space to Repair
Sewer Lift Station*



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INTRODUCTION

The Mission Support Alliance, LLC (MSA) Site Services & Interface Management (SS&IM) function provides a myriad of services to support a broad base of customers performing their respective Hanford Site missions. SS&IM provides operations, support, and maintenance services within a culture of safety, customer service, and fiscal responsibility. SS&IM services include: Program Support/Waste Treatment Plant (WTP) Liaison, Interface Management/Customer Service, Crane & Rigging (C&R), Fleet Services, Motor Carrier Services, and Maintenance Services. SS&IM's goal is to provide effective and timely services that are centered on customer needs in support of the Hanford environmental cleanup objectives.

KEY ACCOMPLISHMENTS

300 Area Sewer Lift Station Repair – On Saturday, May 9, 2015, Maintenance Services completed repairs and testing of the 350 sewer lift station. This was a critical project for Water & Sewer Utilities (W&SU) as it enabled sewer service to be restored to a Pacific Northwest National Laboratory (PNNL) facility in the 300 Area. The team included resources from MSA's Maintenance Services, Motor Carrier Services, C&R, W&SU, Safety & Health, and Washington River Protection Solutions LLC (WRPS) Nuclear Chemical Operators.



*Workers Lift Old Equipment Out of
350 Building Sewer Lift Station*



*Photo Shows Congestion and Confined
Space That Workers Had To Work In*

MSA Replaces Heating, Ventilation, and Air Conditioning (HVAC) at 2704HV – MSA is upgrading the HVAC system at building 2704HV for WRPS. The project consists of procuring and installing four 60-ton rooftop HVAC units, modifying 150 fan-powered terminals and installing a computer control center. The upgrade will replace four older 70-ton units.



Lifting Old Unit Off the Roof of 2704HV New Unit (Left) Installed On the Roof at 2704HV

Service Catalog Activities – As a result of customer comments on a customer satisfaction survey, the telephone services form is being revised to integrate the associated Site form. Previously, the customer was required to perform a separate activity to fill out and attach the Site form when submitting a catalog request for Telephone Services. Testing of the new form was completed, and the new form was moved to production on May 13, 2015. In addition, the video teleconference information page and request form was redesigned to provide additional information for customers and collect needed data in the request. The new informational page was published on May 12, 2015, and testing on the revised request form was completed on May 13, 2015. The form was moved to production on May 18, 2015.

Updated Service Delivery Documents – The following Service Delivery Documents (SDDs) were updated in May:

- SDD J3-19 (Fire and Emergency Response)
- SDD J3-20 (Fire and Emergency Response Services – System Maintenance)
- SDD J3-21 (Emergency Operations Center)
- SDD J3-22 (Emergency Operations – Event Reporting), SDD J3-23 (Site Safety Standards)
- SDD J3-24 (Radiological Assistance Program).



LOOK AHEAD

New Administrative Interface Agreement (AIA) with WRPS on Waste Management Services – On May 26, 2015, MSA Interface Management and MSA Compliance and Risk Mitigation met with representatives from WRPS Waste Services and WRPS Interface Management to discuss the new draft AIA for Waste Management Services (HNF-58866, Rev. 0). This new draft AIA outlines the roles and responsibilities for WRPS in providing waste designation and shipment support for MSA. During the meeting, review comments were discussed and changes proposed to the document. The final draft AIA is being routed through WRPS.

Proposed Cancellation of Pit-9 Operations AIA –MSA and Washington Closure Hanford (WCH) have expressed interest in cancelling HNF-52291, Rev. 1, the AIA between WCH, Bechtel National (BNI) and MSA, which describes the roles and responsibilities for delivering and removing borrow material at Pit-9. Because BNI has not yet removed any of the borrow material at Pit 9, which was the original purpose of the AIA, MSA and WCH believe the AIA is obsolete. However, BNI has expressed reservations in cancelling the AIA. Going forward, MSA will work with BNI to determine whether or not to cancel the AIA.

Upcoming Contract Interface Board (CIB) Meeting – MSA Interface Management will host the upcoming CIB meeting on June 25, 2015.

MAJOR ISSUES

Nothing to report.

SAFETY PERFORMANCE

During the month of May, there was one Occupational Safety and Health Administration recordable injury reported within SS&IM. An employee received a serious hand laceration after striking a wire rope anchor. In addition, there were three minor First Aid cases: an employee received a cut to the forearm while moving stainless steel sheeting; an employee experienced a shock while ringing a door buzzer, and an employee received a head contusion after being stuck by a freight elevator gate.

SITE SERVICES & INTERFACE MANAGEMENT



BASELINE PERFORMANCE

Table SS&IM-1. Site Services & Interface Management Cost/Schedule Performance (dollars in millions).

Fund Type	May 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
Site-wide Services	\$0.2	\$0.2	\$0.2	\$0.0	\$0.0	\$30.6	\$30.6	\$33.5	\$0.0	(\$2.9)
Subtotal	\$0.2	\$0.2	\$0.2	\$0.0	\$0.0	\$30.6	\$30.6	\$33.5	\$0.0	(\$2.9)

ACWP = Actual Cost of Work Performed.

CV = Cost Variance.

BCWP = Budgeted Cost of Work Performed.

FYTD = Fiscal Year to Date.

BCWS = Budgeted Cost of Work Scheduled.

SV = Schedule Variance.

BAC = Budget at Completion.

EAC = Estimate at Completion

BASELINE PERFORMANCE VARIANCE

Current Month Cost Variance (CV) (+\$0.0M) – Variance is within threshold.

Contract-to-Date Cost Variance (CV) (-\$2.9M) – The Contract-to-Date cost variance is due to the differences between the contract baseline and the approved and funded priority list (IPL) of items for MSA work scope for FY 2013 - FY 2015. These items include increased support required for Interface Management, including additional staff and support for Liaison Services.