

MISSION SUPPORT ALLIANCE

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



Monthly Performance Report February 2015

W. K. Johnson
President

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



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

TERMS

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
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
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
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 February 2015.

1.1 KEY ACCOMPLISHMENTS

282W Raw Water Pump Repaired – MSA Water Utilities staff replaced a failed mechanical coupling on the 282W Number 1 raw water pump. The mechanical coupling had failed and affected water utilities' ability to provide raw water to the 200 West Area. A new mechanical coupling was promptly installed, and the pump was put back into service.



*Repair Efforts of 282W
Raw Water Pump*

Support to Washington River Protection Solutions (WRPS) at Tank C-102 – MSA installed a new sluicer in waste storage tank C-102 in February. A sluicer is a very large, high-pressure sprayer that is inserted into a tank where it is used to break up hardened material for removal. The sluicer has an “arm” that can be operated hydraulically from a remote location. A failed sluicer was removed from the tank several months ago.

Hanford Lifecycle Scope, Schedule and Cost Report (Tri-Party Agreement [TPA] Milestone M-036-01) – MSA's Portfolio Management (PFM) staff supported the RL evaluation of Ecology's request to conduct an alternatives analysis for onsite and offsite storage of the cesium/strontium capsules in the 2016 Lifecycle Report or as part of the M-092-05 milestone. In addition, PFM personnel supported RL's public release of the 2015 Lifecycle Report and Fact Sheet, which were posted to the DOE website (www.hanford.gov) on February 23, 2015.

Fiscal Year (FY) 2017-2021 Budget Formulation –MSA supported RL and the DOE Office of Environmental Management (EM) 10-year strategic planning sessions during February. This planning initiative focused on priority work accomplishment within EM budget targets. This effort supports EM's integrated 10-year planning requirements.

MSA is currently supporting RL's preparation of the FY 2016-2017 budget overview to the Regulators scheduled for April 6, 2015. RL budget request to DOE Headquarters (HQ) support includes cost/schedule reviews and coordination of the Integrated Priority List (IPL) in the MSA-created Ranked Integrated Priority List (RIPL) system.

Final Radiological Clearance – Over a 13-day period, MSA Radiological Control completed scanning over 300 acres with the Mobile Gamma Spectrometer and collected approximately 400,000 data points. This was a key activity for completion of the final radiological clearance of an area previously constrained until an amendment to the Cultural Resource Review was completed. This data, along with the analytical data of over 120 sample points, will be evaluated with the final Radiological Release Report due to RL by July 1, 2015.

Biological Barrier on Soil Contamination Area – In February of this year, MSA's Biological Controls teamed up with CH2M HILL Plateau Remediation Company(CHPRC) Central Plateau Surveillance and Maintenance to safely apply a biological barrier fabric over 25,000 sq. ft. of land that was previously posted as a Soil Contamination Area, returning the area to an Underground Radiological Material Area posting. Six inches of gravel was then placed over the fabric. This technique allowed the radiological posting change, thereby greatly reducing the growing potential of tumbleweeds which can no longer reach the underground radioactive source and become radioactive contamination.



Biological Barrier and Gravel Before and After

Electrical Utilities' (EU) 230kV North Loop Interim Measures – During a planned three-day outage, EU performed maintenance activities on the steel structures on Hanford's Line #1, 230kV North Loop. EU inspected hardware and conductors, and replaced armor rod and suspension clamps showing signs of wear supporting the three conductor (wire) phases. This work helped ensure continued, uninterrupted power service to areas of the Hanford site.



Maintenance on North Loop Line

Meteorological Services – On February 13-14, 2015, Maintenance Services and Crane & Rigging (C&R) crafts completed preventive maintenance (PM) work on meteorological tower #11, a 200-foot tower located in the 300 Area. The work involved an ironworker climbing the tower to inspect the guy wire connections and cable attachment points. After the inspections were completed, all three levels of instrumentation on the tower were calibrated and/or replaced with new instruments. During this PM work, a new data logger system was installed. The data logger will obtain information from the instrumentation and send it to the Weather Station every half hour.



Preventive Maintenance on Met Tower 11

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	\$26.6	\$32.5	\$7.9	\$24.6
1000PD (HQ)	DOE-HQ Funding	\$84.0	\$84.7	\$76.0	\$8.7
RL-0014	Radiological Liquid Tank Waste Stabilization and Disposition Operations	\$6,925.9	\$6,245.9	\$2,316.0	\$3,929.9
RL-0020	Safeguards & Security	\$70,638.3	\$39,551.8	\$25,321.8	\$14,229.9
RL-0030	Soil & Water Remediation – Groundwater Hanford	\$19.2	\$21.6	(\$0.8)	\$22.4
RL-0040	Reliability Projects/ HAMMER/ Inventory	\$9,849.1	\$5,490.9	\$2,460.3	\$3,030.6
RL-0041	B Reactor	\$6,923.1	\$5,970.3	\$759.7	\$5,210.6
SWS	Site-Wide Services	\$185,128.3	\$99,345.8	\$66,764.7	\$32,581.1
Total		\$279,594.5	\$156,743.4	\$97,705.6	\$59,037.8

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 increased by \$459.2 for HAMMER (RL40) and by \$9,573.4KM for additional IPL scope (\$7,300.4-SWS / \$2,273K-RL40).

**Funds received through Contract Mod 447 dated March 23, 2015.

SWS – through April 27, 2015

RL20 – through May 6, 2015.

Total burn rate for remaining available funds would fund through May 12, 2015.



3.0 SAFETY PERFORMANCE

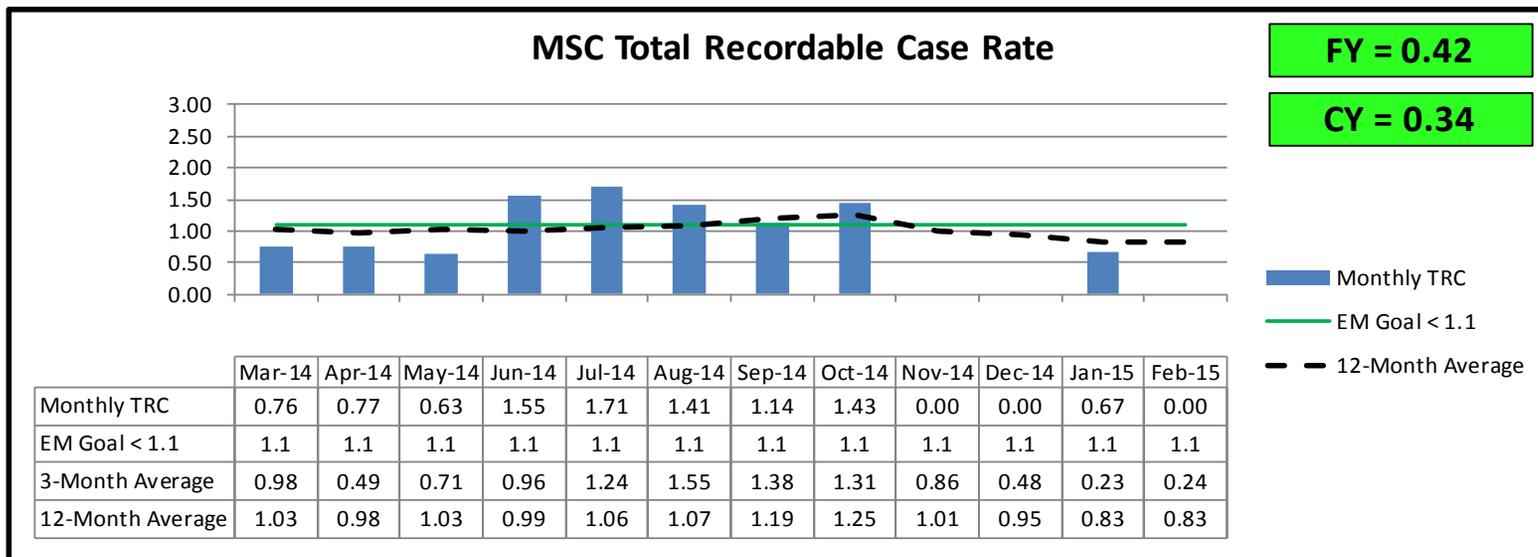
MSA had no recordable injuries during the month of February. The fiscal year total recordable case (TRC) for FY 2015 is 0.42 (below the EM goal of ≤ 1.1). Currently in FY 2015, MSA's TRC is at the lowest rate since the inception of the contract five years ago. The FY 2015 days away, restricted or transferred (DART) rate is 0.28 (below the EM goal of 0.6).

Safety communications continue to focus on situational awareness and normal routine activities that had resulted in several "walking through life" injuries. Organizations have reviewed prior years' safety statistics and incorporated initiatives that focus on injury prevention specific to their work activities into their FY 2015 Safety Improvement Plans.

As MSA enters into a higher-activity work season, increased attention on hazard identification and environmental changes are prevalent in employee communications and back to work discussions.



Table 3-1. Total Recordable Case Rate.



Definition	Analysis								
<p>Total Recordable Case (TRC) rate is calculated based on the total number of injuries per 200,000 hours that require more than first aid and must be reported.</p> <p>DOE/EM Goal for FY 2015 is 1.1</p>	<p>February: MSA had no injury classified as a 'Recordable' in February. MSA's TRC is at the lowest rate it has been at this point in the fiscal year since the inception of the contract 5 years ago.</p> <p>FYTD TRC Cases: 3 FYTD TRC Rate: 0.42</p>								
Types of injuries MSA is experiencing during FY 2015 that have been classified as TRC:									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">YTD Status</th> <th style="width: 20%;">TRC</th> </tr> </thead> <tbody> <tr> <td style="background-color: #00FF00; text-align: center;">GREEN</td> <td style="text-align: center;">≤ 1.1</td> </tr> <tr> <td style="background-color: #FFFF00; text-align: center;">YELLOW</td> <td style="text-align: center;">1.1 ≤ 1.30</td> </tr> <tr> <td style="background-color: #FF0000; text-align: center;">RED</td> <td style="text-align: center;">> 1.30</td> </tr> </tbody> </table>	YTD Status	TRC	GREEN	≤ 1.1	YELLOW	1.1 ≤ 1.30	RED	> 1.30	<ul style="list-style-type: none"> 2 out of 3 recordable injuries resulted in a sprain or strain 1 caused by a trip, 1 caused by an overexertion, and 1 caused by a laceration 3 different body parts have been affected: finger; ankle; and leg
YTD Status	TRC								
GREEN	≤ 1.1								
YELLOW	1.1 ≤ 1.30								
RED	> 1.30								
<p>Injury Prevention Actions:</p> <ul style="list-style-type: none"> MSA senior leadership continues to place importance of situational awareness during employee meetings Work groups are analyzing historical data for injuries characteristic to the upcoming seasonal changes Organizations incorporated injury prevention actions specific to their work groups into their 2015 Safety Improvement Plans Developing a "walking through life" presentation to increase employee awareness of common and/or unknown hazards 									



Table 3-2. Days Away, Restricted, Transferred

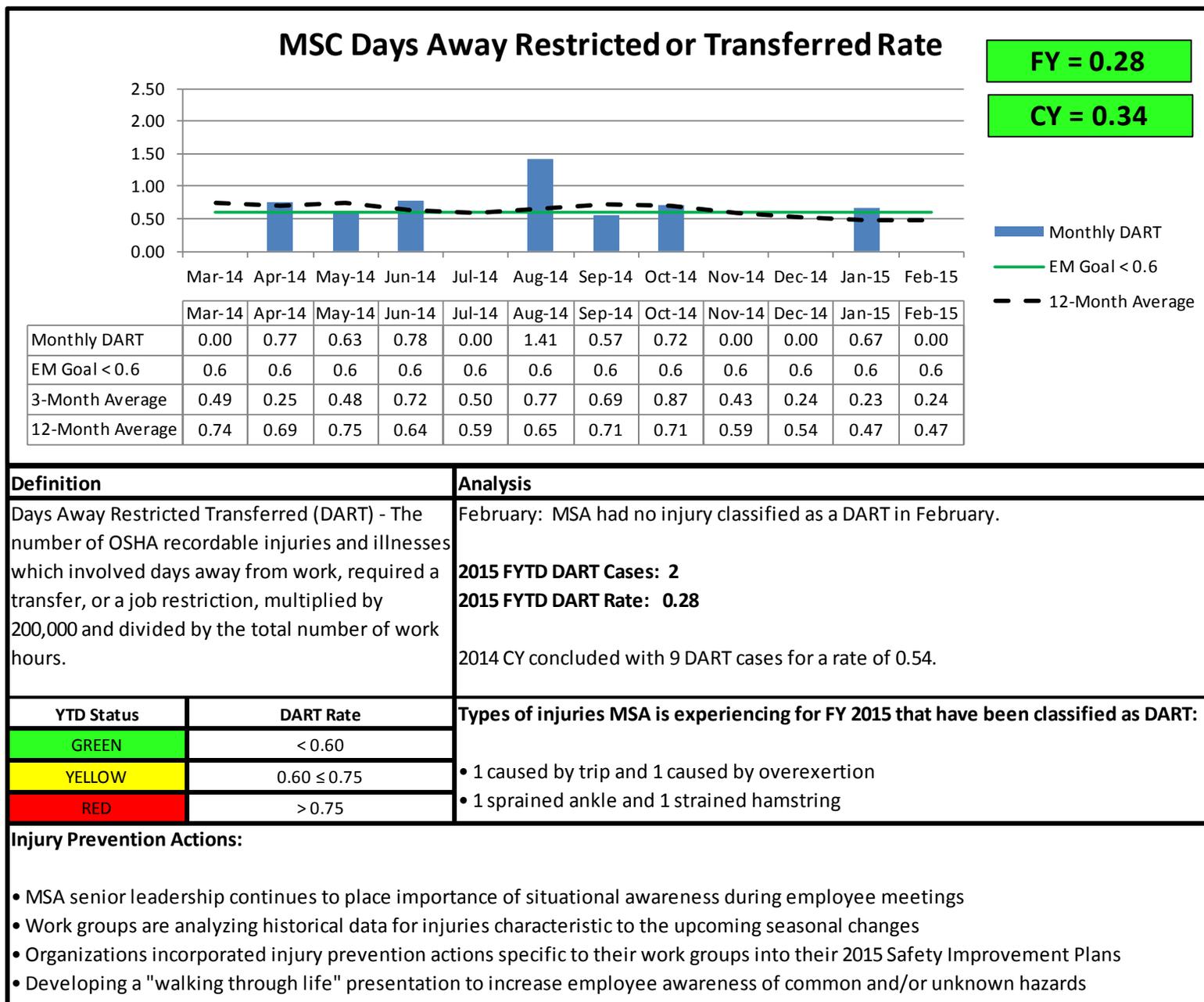
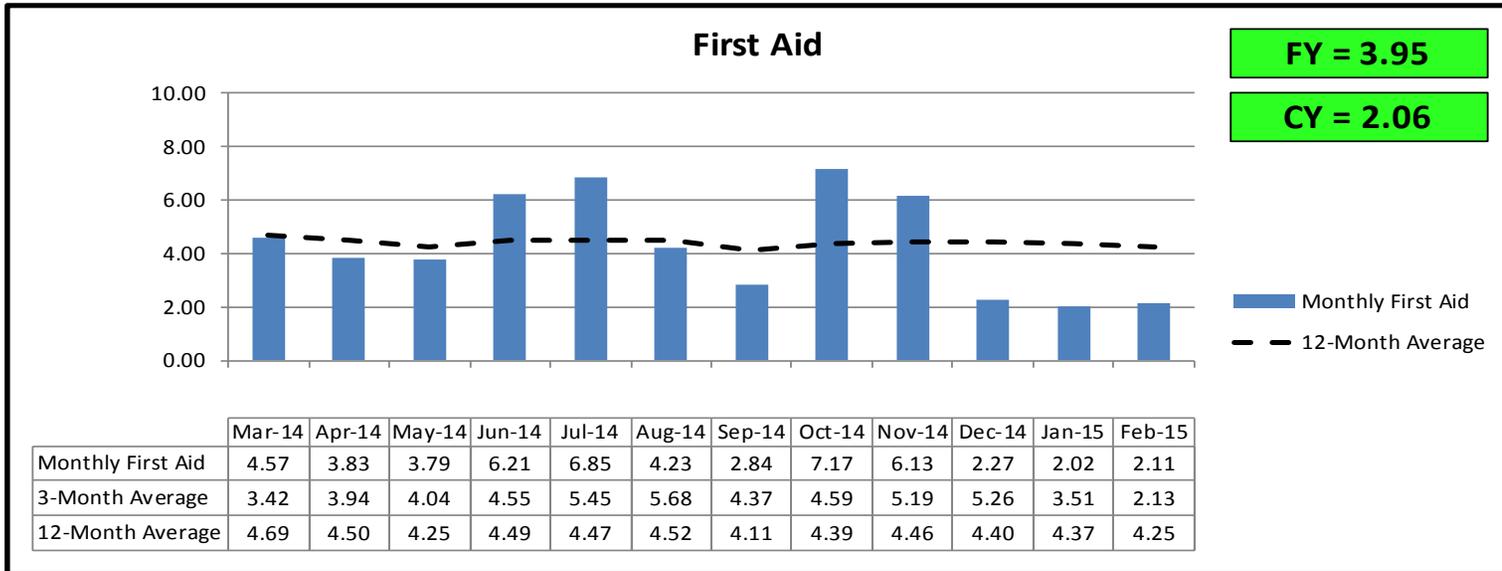




Table 3-4. First Aid Case Rate



Definition	Analysis								
<p>First Aid rate is calculated based on the total number of first aid injuries per 200,000 hours.</p>	<p>February Injuries: February concluded with 3 First Aid injury cases. An employee slipped on a wet floor inside a building and injured their ankle, an employee experienced a sore back after lifting an object, and an employee was struck on the head by an item that moved unexpectedly during a loading activity.</p> <p>FYTD First Aid Cases: 28 FYTD First Aid Case Rate: 3.95</p> <p>Types of injuries MSA experienced during FY 2015 that have been classified as First Aid:</p> <ul style="list-style-type: none"> • 35% were caused by overexertion, 32% were caused by a slip/trip/fall • 29% arm/hand injuries, 21% leg injuries, 18% back injuries, 14% eye injuries 								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>YTD Status</th> <th>First Aid Rate</th> </tr> </thead> <tbody> <tr style="background-color: #00FF00;"> <td style="text-align: center;">GREEN</td> <td style="text-align: center;">< 5.50</td> </tr> <tr style="background-color: #FFFF00;"> <td style="text-align: center;">YELLOW</td> <td style="text-align: center;">5.50 ≤ 7.50</td> </tr> <tr style="background-color: #FF0000;"> <td style="text-align: center;">RED</td> <td style="text-align: center;">> 7.50</td> </tr> </tbody> </table>	YTD Status	First Aid Rate	GREEN	< 5.50	YELLOW	5.50 ≤ 7.50	RED	> 7.50	
YTD Status	First Aid Rate								
GREEN	< 5.50								
YELLOW	5.50 ≤ 7.50								
RED	> 7.50								
<p>Injury prevention actions:</p> <ul style="list-style-type: none"> • MSA senior leadership continues to place importance of situational awareness during employee meetings • Work groups are analyzing historical data for injuries characteristic to the upcoming seasonal changes • Organizations have incorporated injury prevention actions specific to their work groups into their 2015 Safety Improvement Plans • Developing a "walking through life" presentation to increase employee awareness of common and/or unknown hazards 									



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 (2015/1/26)						
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2015/2/22)						
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No X Yes									
5. CONTRACT DATA														
a. QUANTITY N/A		b. NEGOTIATED COST \$3,339,950		c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK \$525		d. TARGET PROFIT/FEE \$209,328	e. TARGET PRICE \$3,549,278	f. ESTIMATED PRICE \$3,671,936		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) Johnson, William K			b. TITLE MSC Project Manager			
a. BEST CASE		\$3,340,476						c. SIGNATURE <i>[Signature]</i>			d. DATE SIGNED 3-31-15			
b. WORST CASE		\$3,635,738												
c. MOST LIKELY		\$3,462,608		3,340,476		(122,132)								
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	3,786	3,786	4,440	-	(654)	312,750	312,750	326,353	0	(13,603)	528,770	550,519	(21,749)	
3001.01.02 - Fire and Emergency Response	1,383	1,383	1,948	-	(566)	108,020	108,020	117,216	(0)	(9,195)	182,964	195,998	(13,033)	
3001.01.03 - Emergency Management	423	423	356	-	68	28,721	28,721	25,656	0	3,065	52,205	48,837	3,368	
3001.01.04 - HAMMER	271	271	431	-	(160)	37,506	37,506	41,210	(0)	(3,704)	50,192	56,147	(5,955)	
3001.01.05 - Emergency Services & Training Management	43	43	120	-	(77)	4,402	4,402	4,912	(0)	(510)	6,841	7,574	(734)	
3001.02.01 - Site-Wide Safety Standards	26	26	34	-	(8)	4,084	4,084	4,349	(0)	(266)	5,537	5,946	(409)	
3001.02.02 - Environmental Integration	330	330	437	-	(108)	38,711	38,711	34,727	0	3,984	56,386	52,327	4,059	
3001.02.03 - Public Safety & Resource Protection	858	858	661	-	196	38,244	38,244	32,224	0	6,019	88,772	80,744	8,029	
3001.02.04 - Radiological Site Services	30	30	87	0	(57)	3,881	3,881	4,222	0	(342)	3,827	4,420	(592)	
3001.02.05 - WSCF Analytical Services	69	69	2	(0)	66	42,372	42,372	50,387	(0)	(8,015)	46,242	53,771	(7,529)	
3001.03.01 - IM Project Planning & Controls	280	280	183	-	97	25,241	25,241	24,062	0	1,179	41,043	39,041	2,002	
3001.03.02 - Information Systems	947	947	923	-	24	73,471	73,471	72,522	(0)	949	123,394	123,081	313	
3001.03.03 - Infrastructure / Cyber Security	280	280	225	-	55	19,728	19,728	23,252	(0)	(3,524)	35,386	39,446	(4,060)	
3001.03.04 - Content & Records Management	568	568	413	-	155	44,158	44,158	41,207	-	2,951	75,396	72,091	3,305	
3001.03.05 - IR/CM Management	25	25	120	-	(96)	3,212	3,212	4,787	-	(1,575)	4,584	7,938	(3,353)	
3001.03.06 - Information Support Services	145	145	76	-	69	9,350	9,350	7,834	0	1,517	17,499	15,632	1,867	
3001.04.01 - Roads and Grounds Services	223	223	218	-	5	15,505	15,505	13,598	0	1,908	28,038	25,930	2,108	
3001.04.02 - Biological Services	258	258	464	-	(206)	19,175	19,175	19,077	0	98	33,637	34,421	(784)	
3001.04.03 - Electrical Services	406	406	958	-	(553)	40,389	40,389	52,585	0	(12,196)	67,004	83,314	(16,310)	
3001.04.04 - Water/Sewer Services	602	602	1,323	-	(720)	33,498	33,498	46,213	(0)	(12,714)	63,900	79,713	(15,814)	
3001.04.05 - Facility Services	0	-	-	(0)	-	7,909	7,909	7,900	0	9	7,909	7,950	(40)	
3001.04.06 - Transportation	-	-	11	-	(11)	7,974	7,974	9,221	0	(1,247)	7,974	9,421	(1,447)	



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 (2015/1/26)															
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728		b. Phase Operations			b. To (2015/2/22)																
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No X Yes																		
Item (1)	Current Period						Cumulative to Date					At Completion											
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance		Budgeted (12)	Estimated (13)	Variance (14)										
	Work Schedule d (2)	Work Performed (3)	Work Performed (4)	Schedule (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)	Cost Work Performed (9)	Schedule (10)	Cost (11)													
a. WORK BREAKDOWN STRUCTURE ELEMENT (Cont'd)																							
3001.04.07 - Fleet Services	45	45	48	-	(2)	5,988	5,988	6,170	0	(183)	8,538	8,775	(237)										
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	237	237	353	-	(116)	26,412	26,412	27,363	0	(952)	39,725	42,983	(3,258)										
3001.04.11 - Energy Management	263	263	150	-	113	7,958	7,958	4,500	(0)	3,458	21,312	16,979	4,333										
3001.04.12 - Hanford Historic Buildings Preservation	155	155	167	-	(12)	13,727	13,716	13,584	(11)	132	19,701	19,615	87										
3001.04.13 - Work Management	79	79	132	-	(53)	7,025	7,025	8,299	(0)	(1,273)	11,447	13,284	(1,837)										
3001.04.14 - Land and Facilities Management	398	398	463	-	(64)	23,935	23,935	22,178	(0)	1,758	45,436	44,831	606										
3001.04.15 - Mail & Courier	96	96	48	-	49	5,485	5,485	4,203	(0)	1,282	10,813	9,205	1,607										
3001.04.16 - Property Systems/Acquisitons	428	428	525	-	(97)	29,473	29,473	30,696	0	(1,223)	53,788	55,381	(1,593)										
3001.04.17 - General Supplies Inventory	11	11	(37)	-	48	1,970	1,970	1,313	0	657	2,548	1,860	688										
3001.04.18 - Maintenance Management Program Implementa	202	202	281	-	(79)	2,930	2,930	2,418	0	512	11,926	11,253	674										
3001.06.01 - Business Operations	273	273	304	-	(31)	27,709	27,709	31,116	0	(3,406)	42,876	47,516	(4,641)										
3001.06.02 - Human Resources	191	191	165	-	26	12,650	12,650	12,641	(0)	9	23,416	23,764	(348)										
3001.06.03 - Safety, Health & Quality	869	869	1,537	-	(668)	83,932	83,932	98,582	(0)	(14,650)	132,330	151,236	(18,906)										
3001.06.04 - Miscellaneous Support	536	536	211	-	325	35,443	35,443	28,901	(0)	6,542	65,542	57,168	8,374										
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	492	492	372	-	120	41,174	41,174	40,065	(0)	1,109	66,892	66,060	831										
3001.08.01 - Water System	-	-	-	-	-	11,940	11,940	4,508	0	7,432	15,979	8,546	7,432										
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	93	22	57	(71)	(35)	3,078	3,252	5,680	174	(2,428)	6,348	9,190	(2,842)										
3001.08.04 - Roads and Grounds	-	-	-	-	-	2,031	2,031	2,048	(0)	(17)	10,901	10,918	(17)										
3001.08.05 - Facility System	-	-	1	-	(1)	5,611	5,611	5,647	(0)	(37)	7,172	7,212	(40)										
3001.08.06 - Reliability Projects Studies & Estimates	-	-	(3)	-	3	2,813	2,813	4,433	(0)	(1,620)	2,813	4,433	(1,620)										
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	(55)	8	34	63	(26)	8,639	8,542	13,632	(97)	(5,090)	8,768	13,905	(5,136)										
3001.08.09 - Capital Equipment Not Related to Construction	-	-	-	-	-	7,927	7,927	8,588	(0)	(661)	12,239	12,898	(659)										
3001.08.10 - WSCF - Projects	-	-	-	-	-	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	0	122,763	122,763	0										
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																							
e. SUBTOTAL (Performance Measurement Baseline)											15,267	15,259	18,236	(8)	(2,977)	1,302,885	1,302,950	1,363,419	65	(60,469)	2,281,226	2,377,372	(96,146)



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 (2015/1/26)						
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations			b. To (2015/2/22)						
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE No X Yes									
Item (1)	Current Period				Cumulative to Date						At Completion			
	Budgeted Cost		Actual Cost Work Performed (4)	Variance		Budgeted Cost		Actual Cost Work Performed (9)	Variance		Budgeted (12)	Estimated (13)	Variance (14)	
	Work Schedule d (2)	Work Performed (3)		Schedul e (5)	Cost (6)	Work Scheduled (7)	Work Performed (8)		Schedul e (10)	Cost (11)				
a2. WORK BREAKDOWN STRUCTURE ELEMENT														
3001.01.04 - HAMMER	877	877	961	-	(85)	78,710	78,710	75,597	0	3,113	119,165	117,920	1,245	
3001.02.04 - Radiological Site Services	950	950	715	-	235	34,029	34,029	24,565	0	9,464	87,635	75,591	12,043	
3001.02.05 - WSCF Analytical Services	895	895	-	-	895	62,049	62,049	53,176	0	8,873	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	525	525	750	-	(225)	34,494	34,494	36,311	0	(1,818)	63,248	66,530	(3,282)	
3001.04.06 - Transportation	138	138	167	-	(29)	16,546	16,546	24,061	0	(7,515)	24,049	33,647	(9,598)	
3001.04.07 - Fleet Services	596	596	928	-	(332)	68,890	68,890	77,403	0	(8,513)	101,669	112,180	(10,511)	
3001.04.08 - Crane and Rigging	738	738	976	-	(238)	62,986	62,986	66,523	0	(3,538)	103,999	109,168	(5,169)	
3001.04.13 - Work Management	-	-	37	-	(37)	595	595	1,770	0	(1,176)	595	2,154	(1,559)	
3001.04.14 - Land and Facilities Management	552	552	445	-	108	34,788	34,788	33,512	(0)	1,275	65,045	63,195	1,850	
3001.04.15 - Mail & Courier	16	16	17	-	(1)	658	658	712	0	(54)	1,541	1,632	(91)	
3001.06.01 - Business Operations	714	714	787	(0)	(73)	61,648	61,648	67,389	(0)	(5,740)	100,314	107,349	(7,035)	
3001.06.02 - Human Resources	134	134	266	(0)	(131)	12,583	12,583	14,797	(0)	(2,214)	19,883	22,966	(3,084)	
3001.06.03 - Safety, Health & Quality	143	143	99	(0)	44	8,618	8,618	7,417	(0)	1,201	16,640	15,044	1,596	
3001.06.04 - Miscellaneous Support	64	64	121	(0)	(57)	7,480	7,480	8,594	(0)	(1,114)	11,147	12,842	(1,695)	
3001.06.05 - Presidents Office (G&A nonPMB)	286	286	248	(0)	38	16,476	16,476	13,447	(0)	3,029	31,822	28,541	3,281	
3001.06.06 - Strategy	20	20	16	-	4	2,274	2,274	2,039	(0)	235	3,388	3,150	239	
3001.A1.01 - Transfer - CHPRC	5,392	5,392	3,944	-	1,448	451,677	451,677	415,818	0	35,859	743,203	698,210	44,993	
3001.A1.02 - Transfer - WRPS	1,096	1,096	2,738	-	(1,642)	90,911	90,911	112,390	0	(21,478)	149,969	181,525	(31,556)	
3001.A1.03 - Transfers - FH Closeout	0	0	0	-	0	168	168	174	0	(5)	183	192	(9)	
3001.A1.04 - Tranfers - CHG Closeout	-	-	-	-	-	12	12	13	0	(0)	12	13	(0)	
3001.A2.01 - Non Transfer - BNI	-	-	17	-	(17)	1,188	1,188	2,512	0	(1,324)	1,188	2,607	(1,419)	
3001.A2.02 - Non Transfer - AMH	12	12	-	-	12	1,302	1,302	954	(0)	348	1,912	1,480	433	
3001.A2.03 - Non Transfer - ATL	15	15	18	-	(2)	725	725	608	0	116	1,541	1,403	138	
3001.A2.04 - Non-Transfer - WCH	300	300	374	-	(74)	32,851	32,851	37,120	0	(4,269)	48,496	53,256	(4,760)	
3001.A2.05 - Non-Transfers - HPM	-	-	48	-	(48)	-	-	707	0	(707)	-	1,053	(1,053)	
3001.A2.06 - Non-Transfers - BNI Corp	-	-	-	-	-	-	-	1	0	(1)	-	2	(2)	
3001.A4.01 - Request for Services	394	394	732	-	(338)	58,766	58,766	79,429	0	(20,663)	78,520	103,720	(25,199)	
3001.A4.02 - HAMMER RFSS	3	3	444	-	(441)	7,001	7,001	16,920	0	(9,919)	7,149	20,501	(13,351)	
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	19	19	49	-	(30)	6,394	6,394	9,066	(0)	(2,672)	7,284	10,189	(2,905)	
3001.A5.01 - RL PD	48	48	132	-	(83)	1,587	1,587	3,626	0	(2,039)	4,324	6,853	(2,529)	
3001.A5.02 - ORP PD	-	-	239	-	(239)	-	-	4,528	0	(4,528)	-	6,125	(6,125)	
3001.A7.01 - G&A Liquidations	(1,376)	(1,376)	(1,666)	0	290	(109,717)	(109,717)	(115,256)	0	5,539	(184,769)	(192,768)	7,999	
3001.A7.02 - DLA Liquidations	(674)	(674)	(1,066)	0	392	(50,966)	(50,966)	(59,430)	0	8,464	(87,604)	(99,928)	12,324	
3001.A7.03 - Variable Pools Revenue	(4,615)	(4,615)	(4,873)	0	258	(346,917)	(346,917)	(338,158)	0	(8,759)	(597,254)	(584,770)	(12,483)	
3001.B1.01 - UBS Assessments for Other Providers	2	2	-	-	2	67	67	-	0	67	184	-	184	
3001.B1.02 - UBS Other MSC - HAMMER M&O	10	10	-	-	10	301	301	-	(0)	301	843	-	843	
3001.B1.03 - Assessment for Other Provided Services	106	106	-	-	106	3,022	3,022	-	(0)	3,022	8,612	-	8,612	
3001.B1.04 - Assessment for PRC Services to MSC	59	59	-	-	59	1,876	1,876	-	(0)	1,876	4,977	-	4,977	
3001.B1.07 - Request for Services	0	0	-	-	0	234	234	-	(0)	234	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 (2015/1/26)								
b. Location (Address and Zip Code)		b. Number				b. Phase				b. To (2015/2/22)								
c. TYPE		d. Share Ratio				c. EVMS ACCEPTANCE												
Item (1)	Current Period						Cumulative to Date					At Completion						
	Budgeted Cost			Actual Cost			Budgeted Cost		Actual Cost									
	Work Schedule d (2)	Work Performed (3)	Work Performed (4)	Schedule e (5)	Cost (6)		Work Scheduled (7)	Work Performed (8)	Work Performed (9)	Schedule e (10)	Cost (11)	Budgeted (12)	Estimated (13)	Variance (14)				
a2. WORK BREAKDOWN STRUCTURE ELEMENT																		
b2. COST OF MONEY																		
c2. GENERAL AND ADMINISTRATIVE																		
d2. UNDISTRIBUTED BUDGET												0	0	0				
e2. SUBTOTAL (Non - Performance Measurement Baseline)	7,439	7,439	7,660	(0)	(221)	659,630	659,630	683,930	0	(24,300)	1,059,168	1,085,153	(25,986)					
f. MANAGEMENT RESERVE											83	83	0					
g. TOTAL	22,706	22,698	25,896	(8)	(3,198)	1,962,515	1,962,580	2,047,349	65	(84,770)	3,340,476	3,462,608	(122,132)					
9. RECONCILIATION TO CONTRACT BUDGET BASE																		
a. VARIANCE ADJUSTMENT																		
b. TOTAL CONTRACT VARIANCE																		



5.0 FORMAT 3, DD FORM 2734/3, BASELINE

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

CONTRACT PERFORMANCE REPORT														FORM APPROVED		
FORMAT 3 - BASELINE														OMB No. 0704-0188		
DOLLARS IN Thousands																
1. Contractor			2. Contract				3. Program				4. Report Period					
a. Name			a. Name				a. Name				a. From (2015/1/26)					
Mission Support Alliance			Mission Support Contract				Mission Support Contract									
b. Location (Address and Zip Code)			b. Number				b. Phase				b. To (2015/2/22)					
Richland, WA 99352			RL14728				Operations									
c. TYPE			d. Share Ratio				c. EVMS ACCEPTANCE									
CPAF							No X Yes									
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST			b. NEGOTIATED CONTRACT CHANGES		c. CURRENT NEGOTIATED COST (a+b)		d. ESTIMATED COST OF UNAUTHORIZED UNPRICED WORK			e. CONTRACT BUDGET BASE (C+D)		f. TOTAL ALLOCATED BUDGET		g. DIFFERENCE (E - F)		
\$2,854,966			\$484,985		\$3,339,951		\$525			\$3,340,476		\$3,340,476		\$0		
h. CONTRACT START DATE			i. CONTRACT DEFINITIZATION DATE			j. PLANNED COMPLETION DATE			k. CONTRACT COMPLETION DATE		l. ESTIMATED COMPLETION DATE					
2009/05/24			2009/05/24			2019/05/25			2019/05/25		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						Remaining FY 15 (10)	FY 16 (11)	FY 17 (12)	FY 18 (13)	FY 19 (14)			
			Mar-15 (4)	Apr-15 (5)	May FY15 (6)	June FY15 (7)	July FY15 (8)	Aug FY15 (9)								
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	1,287,618	15,149	15,832	17,936	16,585	15,105	17,988	16,563	20,408	315,508	200,343	207,001	133,460	1,317	2,280,811	
b. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	15,267	(15,149)	216	274	208	195	246	209	291	1,673	1,693	1,714	1,175	(7,595)	415	
a. PERFORMANCE MEASUREMENT BASELINE (End of Period)	1,302,885		16,048	18,209	16,793	15,299	18,234	16,771	20,699	317,180	202,036	208,715	134,635	(6,278)	2,281,226	



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

DOLLARS IN Thousands															FORM APPROVED OMB No. 0704-0188		
1. Contractor		2. Contract			3. Program				4. Report Period								
a. Name Mission Support Alliance		a. Name Mission Support Contract			a. Name Mission Support Contract				a. From (2015/1/26)								
b. Location (Address and Zip Code) Richland, WA 99352		b. Number RL14728			b. Phase Operations				b. To (2015/2/22)								
c. TYPE CPAF		d. Share Ratio			c. EVMS ACCEPTANCE 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								Remaining FY 15 (10)	FY 16 (11)	FY 17 (12)	FY 18 (13)			FY 19 (14)
			Mar-15 (4)	Apr-15 (5)	May FY15 (6)	June FY15 (7)	July FY15 (8)	Aug FY15 (9)									
a2. NON - PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	652,191	7,439	7,690	8,381	7,466	7,364	8,401	7,421	8,741	95,123	93,510	92,834	62,608	0	1,059,168		
b2. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD	7,439	(7,439)	0	0	0	0	0	0	0	0	0	(0)	(0)	0	(0)		
a2. NON - PERFORMANCE MEASUREMENT BASELINE (End of Period)	659,630		7,690	8,381	7,466	7,364	8,401	7,421	8,741	95,123	93,510	92,834	62,608		1,059,168		
7. MANAGEMENT RESERVE															83		
8. TOTAL	1,962,515		23,738	26,591	24,258	22,663	26,635	24,192	29,441	412,303	295,545	301,549	197,242	(6,278)	3,340,476		



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 (2015/1/26)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number RL14728	b. Phase Operations	b. To (2015/2/22)
	c. Type CPAF	d. Share Ratio c. EVMS Acceptance NO X YES	
5. Evaluation			
<u>Explanation of Variance / Description of Problem:</u>			
<p>Current Month Cost Variance (-\$3.2M):</p> <p>Emergency Services (-\$1.2M) - The primary drivers for the negative cost variance are due to 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.</p> <p>Environmental, Safety, Health & Training (-\$0.7M) - The unfavorable current month variance is primarily due to the approved IPL funding and work scope increases in the Radiation Protection, Worker Safety and Health, and Beryllium accounts.</p> <p>Public Works (-\$1.3M) – The variances in these accounts are due to the approved funding and priority list scope being divergent from the baseline. This situation is not an issue that requires corrective action.</p> <p>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. Finally, the baseline was not adequate for a number of maintenance items that needed to be replaced due to the aging life of the material on the Hanford site. An Enhanced Maintenance Program has been established to better predict future system failures and performance of Predictive Maintenance versus the Preventative Maintenance method.</p> <p>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.</p> <p>Impacts – Current Month Cost Variance:</p> <p>The current month cost variance is primarily due to the RL approved funding and priority list scope being divergent from the FY 2015 baseline. Due to the work scope primarily being level of effort, the current month cost variance is not necessarily indicative of performance as work is performed based upon the RL approved funding and priority list scope.</p>			



Table 6-1, cont. 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 (2015/1/26)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number RL14728		b. Phase Operations	b. To (2015/2/22)
	c. Type CPAF	d. Share Ratio	c. EVMS Acceptance NO X YES	
5. Evaluation				
<p>Corrective Action – Current Month Cost Variance: For 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.</p> <p>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. DOE-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.</p> <p>After the original submittal of the Foward Pricing Rates (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 thru FY 2013 which increased the contract value. The FY 2014 pension and labor adder proposal is currently being negotiated with the customer. At the request of RL, the labor and pension proposals are submitted annually at fiscal yearend.</p> <p>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.</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 (2015/1/26)
b. Location (Address and Zip Code)	b. Number	b. Phase	b. To (2015/2/22)
Richland, WA 99352	c. Type	d. Share Ratio	
<p>Corrective Action - Cumulative Cost Variance: For FY 2009 – FY 2012, MSA has incorporated negotiated contract variance proposals into the contract baseline. For FY 2013 thru 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.</p> <p>Cumulative Schedule Variance: Cumulative schedule variance is within threshold.</p> <p>Impacts - Cumulative Schedule Variance: None</p> <p>Corrective Action - Cumulative Schedule Variance:None</p> <p>Negotiated Contract Changes: This reporting period the Negotiated Contract Cost increased by \$0.4M from \$3,339.5M to \$3,339.9M for February 2015. This increase is due to implementation of four Baseline Change Requests in February 2015 including: VSWS-15-013, "Administrative BCR - Mod 439 - Definitization of PSRP FY 2015-2017 Variance Proposal - Place in Undistributed Budget" for (\$8.4M), VSWS-15-015, Administrative BCR, Mod 438 - Definitization of Long Term Stewardship 105C, 105D, 105DR, 105H, and 105N/109N Safe Storage Enclosures Surveillance and Maintenance Workslope - Place in Undistributed Budget for \$0.8M, VSWS-15-014, Mod 431 - Definitization of 300 Area Operations and Maintenance Transfer from WCH to MSA - for \$8.0M and VRL20-15-003, Administrative BCR - Mod 431, Modification of Section C2.1.1.1 Patrol Training Academy in the Technical Baseline (no changes to cost).</p> <p>Changes in Estimated Cost of Authorized / Unpriced Work: There were no changes to Authorized Unpriced Work for February.</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 (2015/1/26)
b. Location (Address and Zip Code)	b. Number		b. Phase	b. To (2015/2/22)
Richland, WA 99352	c. Type	d. Share Ratio	c. EVMS Acceptance	

Changes in Estimated Price:

The Estimated Price of \$3,671.9M is based on the Most Likely Management EAC (MEAC) of \$3,462.6M and fee of \$209.3M. 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 Measurement Baseline. There will be a contract change to FY 2014 pension and labor adder that is currently being negotiated with the customer.

Differences between EAC's [Format 1, Column (13) (e):

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 variance is due to the RL-approved funding and priority list scope being divergent from the baseline.

After the original submittal of the FPR, it was determined that MSA had incorrectly factored cost for the Hanford Site Savings Plan (HSPP) and the Hanford Employee Welfare Trust (HEWT) into the rates. This was disclosed to MSA in the Source Selection Evaluations Board's (SEB) Debrief of the Mission Support Contract (MSC) in May 2009. MSA received contract modifications for pension/labor cost adjustments in FY 2012 for \$30.3M and in FY 2013 for \$36.2M. MSA received contract modifications for pension costs and labor adjustments for FY 2009 through FY 2011 for \$25.0M. Similar contract modifications for pension and labor adders are expected to be negotiated for the remaining contract periods.



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 (2015/1/26)
b. Location (Address and Zip Code) Richland, WA 99352	b. Number	b. Phase	b. To (2015/2/22)
	c. Type	d. Share Ratio	

Changes in Undistributed Budget:

This reporting period the Undistributed Budget (UB) was decreased by (\$7.6M) from \$1.3M to (\$6.3M). This reduction is due to Baseline Change implementation of two Baseline Change Requests in February 2015 including: VSWS-15-013, "Administrative BCR - Mod 439 - Definitization of PSRP FY 2015-2017 Variance Proposal - Place in Undistributed Budget" for (\$8.4M) and VSWS-15-015, Administrative BCR, Mod 438 - Definitization of Long Term Stewardship 105C, 105D, 105DR, 105H, and 105N/109N Safe Storage Enclosures Surveillance and Maintenance Workscope - Place in Undistributed Budget for \$0.8M.

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 increased by \$0.4M from \$2,280.8M to \$2,281.2. The following Baseline Change Requests were approved in February 2015: VSWS-15-013, "Administrative BCR - Mod 439 - Definitization of PSRP FY 2015-2017 Variance Proposal - Place in Undistributed Budget" for (\$8.4M), VSWS-15-015, Administrative BCR, Mod 438 - Definitization of Long Term Stewardship 105C, 105D, 105DR, 105H, and 105N/109N Safe Storage Enclosures Surveillance and Maintenance Workscope - Place in Undistributed Budget for \$0.8M, VSWS-15-014, Mod 431 - Definitization of 300 Area Operations and Maintenance Transfer from WCH to MSA - for \$8.0M and VRL20-15-003, Administrative BCR - Mod 431, Modification of Section C2.1.1.1 Patrol Training Academy in the Technical Baseline (no changes to cost).

Differences in the Non - Performance Measurement Baseline:

This reporting period the Non-Performance Measurement Baseline remained the same at \$1,059.2M. There were no Baseline Change Requests implemented for Non-Performance Measurement Baseline scope.

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 – February 2015				
Account Description	BCWS	ACWP	CV	Liquidation
Direct Labor Adder				
Transportation DLA (3001.04.06.02.01)	9,250.4	1,668.8	7,581.6	(2,053.1)
Maintenance DLA (3001.04.05.02.01)	5,740.3	3,723.0	2,017.3	(2,919.8)
Janitorial Services DLA (3001.04.05.03)	374.2	235.6	138.6	(228.3)
Total DLA	15,364.9	5,627.3	9,737.6	(5,201.3)

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 – February 2015				
Account Description	BCWS	ACWP	CV	Liquidation
Usage Based Services				
Training (3001.04.02)	21,191.9	4,380.8	16,811.1	(5,560.7)
HRIP (3001.02.04.02)	4,844.8	1,657.6	3,187.2	(1,597.0)
Dosimetry (3001.04.02.03)	2,435.2	1,580.4	854.8	(2,009.5)
Work Management (3001.04.13.01)	594.6	192.5	402.1	(191.0)
Courier Services (3001.04.14.06)	59.1	75.8	(16.7)	(77.9)
Occupancy (3001.04.14.06)	8,100.3	2,513.6	5,586.7	(2,540.9)
Crane & Rigging (3001.04.08.02)	18,936.4	4,585.4	14,351.0	(4,378.5)
Fleet (3001.04.07.02)	31,928.5	3,861.0	28,067.5	(3,951.5)
Total UBS	88,090.8	18,847.1	69,243.7	(20,307.1)
Total DLA / UBS	103,455.7	24,474.4	78,981.3	(25,508.4)

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 (+\$79.0 M) – 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 PSRP and 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 February 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			VAC Cost
	BCWS	BCWP	ACWP	SV	CV	BAC	EAC	VAC	% Complete	Complete Date	Forecast Date	Schedule at Complete	
Work Scope Description (RL-14 Projects)													
L-780, 200E 13.8kV ED Sys Mods Dsgn	44.2	46.0	12.6	1.8	33.4	200.0	246.7	(46.7)	8%	11/3/15	11/3/15	G	Y
L-858, 200E 13.8kV ED Dsgn & Bse Svc Ld Reconfig	436.1	608.2	308.1	172.1	300.1	3,550.0	3,550.0	0.0	20%	12/3/15	11/19/15	G	G
Work Scope Description (RL-40 Projects)													
L-784, 300A Fire Station Upgrades	769.1	768.7	764.4	(0.4)	4.3	769.1	768.7	0.4	99%	9/30/14	3/26/15	R	G
L-761, Replace RFAR Phase 2	481.0	391.7	184.3	(89.3)	207.4	534.7	329.2	205.5	60%	5/28/15	5/28/15	G	G
HSPD-12, Logical Access Control	197.9	189.9	236.7	(8.0)	(46.8)	273.6	355.8	(82.2)	87%	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-858, *200E 13.8kV ED Design & Base Service Load Reconfiguration*: The positive schedule variance is due to completing design and surveying early.

Project L-761, *Replace RFAR Phase 2*: The schedule variance is due to material procurements planned for October not occurring as planned. A portion of the materials could not be ordered until the ultra-high frequency (UHF) frequencies had been received/approved.

Project L-784, *300 Area Fire Station Upgrades*: Project was completed on 01/29/15. The behind-schedule completion was due primarily to issues raised concerning the move of Fire Department personnel to the 400 Area during construction.

CTD Cost Variance – Project L-858, *200E 13.8kV ED Design & Base Service Load Reconfiguration*: The positive cost variance continues to be due to taking advantage of preliminary design and planning conducted as part of the 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 much less labor than was planned. Ecological and cultural reviews are taking much less effort than planned, as the construction is in a previously disturbed area, and falls under the Tank Farms Environmental Impact Statement. Numerous meetings were held in FY 2013 and FY 2014 with ORP and WRPS on this project, and enabled activities that normally are more labor-intensive to be accomplished more quickly and with less cost.)

Project L-761, *Replace RFAR Phase 2*: The positive cost variance is due to efficiencies in developing the design. Plans are to use the variance to procure and install the Federal Building and Met Tower communication systems.

CTD Variance at Completion (VAC) – Project L-858, *200E 13.8kV ED Design & Base Service Load Reconfiguration*: Variance at completions is due to design costing more than anticipated.

Project L-761, *Replace RFAR Phase 2*: Anticipated \$205.5K savings due to pre-conceptual planning allowed for design efficiencies.

Project HSPD-12, *Logical Access Control*: The VAC is primarily due to funding being provided in excess of budget.

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												
HSPD-12	HSPD-12 Logical Access Control	277	155	87%	26-Aug-13	30-Sep-15	26-Aug-13 A	30-Sep-15												
L-761 PHII	L-761, Replace RFAR (Phase II)	114	68	60%	21-Apr-14	28-May-15	21-Apr-14 A	28-May-15												
L-780	L-780, 200E Area 13.8kV Electrical Distribution System WFD Modifications and Upgrades	203	179	8%	19-Jan-15	03-Nov-15	19-Jan-15 A	03-Nov-15												
L-784	L-784, 300 Area Fire Station Upgrades	414	24	99%	11-Feb-13	30-Sep-14	11-Feb-13 A	26-Mar-15												
L-858	L-858, 200E 13.8kV ED Dsgn & Bse Svc Ld Reconfig	102	191	20%	15-Sep-14	03-Dec-15	15-Sep-14 A	19-Nov-15												

Remaining Work
 Actual Work
 Baseline

MSC - Reliability Projects
FY13 Summary Schedule
Data Date: 22-Feb-15





9.0 BASELINE CHANGE REQUEST LOG

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

One BCR incorporated a Contract Modification:

- VSWS-15-014 – Mod 431 – Definitization of 300 Area Operations and Maintenance Transfer from WCH to MSA

Two BCRs were Administrative in Nature:

- VRL20-15-003 –Administrative BCR – Mod 431 – Modification of Section C 2.1.1.1 Patrol Training Academy in the Technical Baseline
- VRL40HQ-15-001 – Realignment of FY 2015 HSPD-12 Scope, Budget and Schedule to be Consistent with Customer Direction

Two BCRs were placed in Undistributed Budget:

- VSWS-15-013 – Administrative BCR – Mod 439 – Definitization of PSRP FY 2015-2017 Variance Proposal – Place in Undistributed Budget
- VSWS-15-015 - Administrative BCR – Mod 438 – Definitization of Long Term Stewardship 105C, 105D, 105DR, 105H, and 105N/109N Safe Storage Enclosures Surveillance and Maintenance Work Scope – Place in Undistributed Budget

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	Jan 2015	1,230,506		1,230,506	1,230,506	193,995		1,050,304		2,280,810	2,280,810
VRL20-15-003				0	1,230,506	0		0		0	2,280,810
VRL40HQ-15-001				0	1,230,506	0		0		0	2,280,810
VSWS-15-013				0	1,230,506	(4,797)		(7,903)		(7,903)	2,272,908
VSWS-15-014				0	1,230,506	1,756		8,010		8,010	2,280,918
VSWS-15-015				0	1,230,506	529		716		716	2,281,634
Revised PMB Total	Feb 2015	1,230,506		1,230,506		191,483		1,051,128		2,281,634	
Prior Non-PMB Total	Jan 2015	604,007		604,007	604,007	111,087		455,161		1,059,168	1,059,168
				0	604,007					0	1,059,168
Revised Non-PMB Total	Feb 2015	604,007		604,007		111,087		455,161		1,059,168	
Total Contract Performance Baseline	Feb 2015	1,834,513		1,834,513	1,834,513			1,506,290		3,340,802	
Management Reserve	Jan 2015		0	0		83			83	83	83
Revised Management Reserve	Feb 2015		0	0		83			83	83	
Total Contract Budget Base				1,834,513				1,506,372		3,340,885	
Prior Fee Total	Jan 2015	109,961		109,961		20,884		98,837		208,797	208,797
VSWS-15-013						(226)		(452)		(452)	208,345
VSWS-15-014						116		530		530	208,875
VSWS-15-015						32		43		43	208,918
Revised Fee Total	Feb 2015	109,961		109,961		20,806		98,958		208,918	
Change Log Total	Feb 2015			1,944,473				1,605,330		3,549,803	

NOTE: HANDI/Cobra implementation errors occurred in BCRs VMSA-15-003 Rev 7 and VMSA-15-003 Rev 30. These corrections impact RL-40 HAMMER and Portfolio Management, and will be corrected in the near future.

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).

VSWS-15-013 Administrative BCR - Mod 439 - Definitization of PSRP FY 2015 - 2017 Variance Proposal - Place in Undistributed Budget (\$-8,354.7K)

VSWS-15-015 Administrative BCR - Mod 438 - Definitization of Long Term Stewardship 105C, 105D, 105DR, 105H, and 105N/109N Safe Storage Enclosures Surveillance and Maintenance Workslope - Place in Undistributed Budget (\$759.4K)



10.0 RISK MANAGEMENT

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

- Supported the following Contract Proposal Risk Evaluations:
 - Review Contract Change Proposal - CRD O 205.1B Cyber Security.
 - Risk Management, Public Works, and Compliance & Risk Mitigation team.
- Conducted the following Risk Workshop Risk Workshops to review and update all existing risks and the interrelationship with risk ranked funding profiles. The updated risk posture for FY 2015 will be used for DOE reporting and assist MSA senior management make financial business decisions, as well as the segue to implementing the Committee of Sponsoring Organizations of the Treadway Commission:
 - Portfolio Management, Site Services, Information Management, Emergency Services. Overall, to date, Risk Management has had a 45% closure rate as a result of this continuous monitoring exercise. Two organizations remain; Public Works and Environments, Safety, Health and Training.
- Participated in the review of newly developed Risk Based Approach to Management Assessment process, led by Emergency Services. Risk Management provided methods established in the Risk Management procedure to implement in this process ensuring companywide consistency.



90-Day Look Ahead

- Process FY15 IPL proposed new risks
- Review of Risk Management Plan
- Draft newly designed tools aligned with ERM
 - Risk scorecards
 - Risk characterization tables
 - Risk prioritization tables



11.0 DASHBOARD SUMMARY

February FY 2015							Lead	Status	
Deliverables	Plan	Actual	Letter Number	DOE	MSA	Overall	Feb		
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 commitments.	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								

1.1.1 Fire Protection System Maintenance – (Green) Two performance measures are off target for February: Fire Protection System Maintenance (red at 18%) and Fire Protection System Maintenance for the Plutonium Finishing Plant (red at 50%). Corrective action to address the Fire Systems Maintenance PIs has been implemented but is taking time to affect the PI.



DASHBOARD SUMMARY, CONT.

February FY 2015							Lead		Status	
Deliverables	Plan	Actual	Letter Number	DOE	MSA	Overall	Feb			
							DOE	MSA		
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 commitments.	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				Bird	Brockman		
		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							N/A	
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				Low	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				Low	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				Low	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										



DASHBOARD SUMMARY, CONT.

Deliverables	Plan	Actual	Letter Number	Lead		Status	
				DOE	MSA	Overall	Feb
5.0 Comprehensive Performance							
Support the accomplishment of RL key performance goals.	9/30/2015			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							
TOTAL FEE POOL* Value has been updated to reflect modifications received to the award fee pool during Fiscal Year 2015. Modification is needed to the PEMP for the following: Mod 424, 429 and 431							



12.0 CONTRACT DELIVERABLES STATUS

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

February 2015 Contract Deliverables

CDRL	Deliverable	Responsible	Date Due	Date Submitted to DOE	Action	Response Time	Date Due from DOE	Date Approved by DOE
CD0051	Milestone Review and IAMIT Meeting Minutes - Dec	Wilson	2/5/15	2/10/2015	Information	N/A	N/A	
CD0123	Monthly Billing Reports for DOE Services - Jan	Eckman	2/5/15	2/4/2015	Information	N/A	N/A	
CD0180	Quarterly Energy Conservation Performance Report	Wilson	2/9/15	2/2/2015	N/A	N/A	N/A	
CD0144	Monthly Performance Report - Dec.	Olsen	2/10/15	2/9/2015	Review	None	N/A	
CD0111	Contractor Personal Property Management Balanced Scorecard Report	Eckman	2/12/15	2/2/2015	Review	10 days	2/12/15	
CD0038	Summary of Fire and Other Property Damage Experienced	Walton	2/15/15	2/9/2015	Review	30 days	3/12/15	
CD0050	Report of TPA milestone status and performance statistics	Wilson	2/15/15	2/2/2015	Information	N/A	N/A	
CD0072	Input to the Report to Congress on the Federal Archeology Program	Wilson	2/15/15	2/10/2015	Review	30 days	3/13/15	
CD0100	Site-Wide Institutional Controls Plan	Fritz	2/27/15	2/5/2015	Review	30 days	3/8/15	
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Dec	Fritz	2/28/15	2/26/2015	Review	30 days	3/29/15	

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.

March 2015 Contract Deliverables

CDRL	Deliverable	Responsible	Date Due	Date Submitted to DOE	Action	Response Time	Date Due from DOE	Date Approved by DOE
CD0051	Milestone Review and IAMIT Meeting Minutes - Jan	Wilson	3/5/15	3/4/2015	Information	N/A	N/A	N/A
CD0123	Monthly Billing Reports for DOE Services - Feb	Eckman	3/5/15	3/5/2015	Information	N/A	N/A	N/A
CD0144	Monthly Performance Report - Jan	Olsen	3/10/15	3/9/2015	Review	None	N/A	N/A
CD0050	Report of TPA milestone status and performance statistics	Wilson	3/15/15	3/2/2015	Information	N/A	N/A	N/A
CD0095	National Environmental Policy Act (NEPA) 5-Year Supplemental Analysis of the CLUP (Comprehensive Land Use Plan)	Fritz	3/29/15	12/22/2014	Approve	45 days	2/6/15	1/22/2015
CD0036	Hanford Site Prescribed Fire Plan	Walton	3/30/15		Approve	30 days		
CD0084	Bonneville Power Administration (BPA) Power and Transmission Service invoice verification and breakdown of site contractor costs - Jan	Fritz	3/30/15		Review	30 days		
CD0020	Transmitter Review	Walton	3/31/15		Approve	60 days		

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

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

IAMIT = Interagency Management Integration Team. TPA = Tri-Party Agreement.

N/A = no action.





12.1 GOVERNMENT-FURNISHED SERVICES/INFORMATION AND DOE DECISIONS

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%	38.53%	49.61%	↑
Small Disadvantaged Business	10%	6.04%	14.60%	No Change
Small Women-Owned Business	6.8%	12.59%	8.59%	↑
HubZone	2.7%	1.04%	2.37%	↑
Small Disadvantaged, Veteran- Owned Business	2%	3.12%	2.96%	No Change
Veteran-Owned Small Business	2%	3.27%	5.38%	No Change

 = Improved Trend
 = Decreased Trend

Through February 2015

Prime Contract Targets:

- At least 40% contracted out beyond MSA = 49% (\$1,102M / \$2,238M)
- Small Business 25% of Total MSC Value = 24% (\$546M / \$2,238M)

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



SERVICE AREA SECTIONS

Individual Service Area Section reports for February 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

February 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

Fiscal Year (FY) 2017 Budget Formulation Data Request – During the week of February 9, MSA Program Controls provided multiple data clarifications regarding Integrated Priority List (IPL) funding requirements as provided to RL in November 2014. Specifically, MSA provided additional explanation regarding the Infrastructure Reliability Projects, and for those areas of growth—including pending MSA contract modification proposals, funding to support implementation of the ongoing enhanced maintenance program, deferred scope activities associated with prior year funding constraints, aging equipment replacements, and necessary system replacements. The impacts of not funding these areas was provided for inclusion in the RL target budget request to DOE Headquarters (HQ).



FY 2015 IPL New Scope – MSA senior management held a meeting on February 18, 2015, with the RL Assistant Manager for Mission Support and her staff to discuss MSA’s options on funding approximately \$11M of new scope in MSA’s FY 2015 IPL. The meeting was well received, and a follow-up briefing was subsequently held with the RL Assistant Manager for Business and Financial Operations on February 26, 2015.

PROGRAM CONTROLS

RL-MSA Business Operations Interface Meeting – The monthly RL-MSA Business Operations Interface Meeting (a.k.a. the Chief Financial Officer [CFO] briefing) was held on February 25, 2015. This meeting primarily addressed financial performance status, but also addressed current contract status and small business data as well.

CONTRACTS

Contract Submittals – MSA submitted to RL the following:

- Waste Sampling and Characterization Facility (WSCF) Shutdown proposal’s Truth in Negotiations Act (TINA) sweep on February 10, 2015.
- An updated 14-004 Portfolio Management Task Order (PMTO) supplemental, as funding has been exhausted due to scope creep.
- Contractor Requirements Document (CRD) O 205.1B, *Cyber Security Proposal* on February 19, 2015.

Contract Modifications (Mods) Definitized – MSA Contracts definitized the following mods:

- Long-Term Storage 105 Storage Enclosure Surveillance and Maintenance Proposal, in Mod 438.
- Public Safety and Resource Protection Program FY 2014-2017, in Mod 439.
- Incorporated the FY 2014 Final Fee distribution in Mod 440.
- FY 2014 Waste Sampling Characterization Cost Variance proposal, in Mod 441.

Hanford Information Technology (IT) Request for Proposal (RFP) – Final RFP questions were due February 6, 2015; 141 questions were received, and answers were provided by February 10, 2015. The proposal due date will be extended to March 2, 2015.

Records Management RFP Site Tour – MSA Contracts held the records management site tour and bidder conference on February 3, 2015; eight potential bidders attended. MSA received positive feedback from the bidders. Proposals are due March 18, 2015.



HUMAN RESOURCES

Community Support for Veterans – MSA HR staff provided support on a résumé writing class for 28 local veterans at the WorkSource Columbia Basin facility on February 5, 2015. After the class, one-on-one reviews were done with individual veterans. This activity was in support of MSA’s recruiting efforts of targeting desired candidates, as well as meeting the company's Equal Employment Opportunity (EEO) staffing goals.

Management Fundamentals Training – MSA HR and the Volpentest Hazardous Materials Management and Emergency Response Training and Education Center (HAMMER) recently completed the first management fundamentals training program for MSA managers and supervisors. The curriculum provided interactive training and information on performing the day-to-day functions of their job. To meet the demand for this training program, MSA HR is providing additional classes during the months of June, July, August, and December.

New On-line Succession Planning Application – On February 17, 2015, HR successfully launched a new online succession planning application, available to all MSA managers. The application allows managers to continually update their respective succession plans using real time features, and provides reporting capability for senior management. All succession plans are expected to be completed in March.

FINANCE AND ACCOUNTING

Recalculation of Labor Rates – MSA Project Finance recalculated labor rates, and Absence and Continuity of Service adders for a mid-year review. It was determined that rates have changed sufficiently to warrant a rate change in May. Meetings and coordination between the impacted departments have taken place in order to ensure the rate changes are completed by the end of fiscal month May.

LOOK AHEAD

FY 2014 Incurred Cost Submittal – The FY 2014 Incurred Cost Submittal will be provided to RL before the deadline of March 31, 2015.

Security and System Upgrades – MSA Baseline Management and Monthly Reporting kicked off the Security and System Upgrades for the Hanford Programs Integrated Control Module (HPIC) and Hanford Data Integrator (HANDI) systems on February 3, 2015. Testing for this upgrade will include support from CH2M HILL Plateau Remediation Company (CHPRC) and Washington River Protection Solution, LLC (WRPS), and is scheduled to complete by mid-April. This is an accelerated schedule



due to other Hanford contractors' requests to start after January and complete before April month end. The outcome of this project will be Site standard system compliance to cyber security and software license agreements.

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 February 2015.

BASELINE PERFORMANCE

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

Fund Type	February 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	\$0.5	\$0.0	\$0.0	\$40.4	\$40.4	\$43.8	\$0.0	(\$3.4)
Subtotal	\$0.5	\$0.5	\$0.5	\$0.0	\$0.0	\$46.3	\$46.3	\$49.7	\$0.0	(\$3.4)

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.

BASELINE PERFORMANCE VARIANCE

Current Month – No cost or schedule variance.

Contract-to-Date (CTD) Cost Variance (-\$3.4M) – 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 (HEWT). 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

February 2015



Hanford Patrol Top Shooters in Washington State



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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

EMERGENCY MANAGEMENT PROGRAM (EMP)

Radiological Assistance Program Region 8 – Emergency Management Radiological Assistance Program (RAP) Region 8 personnel participated in the following events:

- February 9-11, 2015, Northwest Regional Response Team meeting in Sequim, WA with the Mobile Detection Deployment Unit 6 deployment.
- February 16-18, 2015, RAP Global Rapid Response Information Package communication system training in Albuquerque, NM.
- February 23-27, 2015, Radiation Emergency Assistance Center/Training Site in Kennewick WA.
- February 24-25, Weapons Awareness Training in Albuquerque, NM.

HANFORD FIRE DEPARTMENT (HFD)

Fire System Maintenance and Testing Value Engineering Study – HFD personnel participated in a Value Engineering Study to develop recommendation and path forward actions required to conduct Fire Maintenance and Testing Procedure and Data Sheet technical reviews.

National Fire Protection Association Equivalency Approval – Hanford Fire Department personnel received approval from U.S. Department of Energy (DOE) Richland Operations Office (RL) for the Request for Extension of National Fire Protection Association 1710 Response Time Equivalency for an additional five-year period on February 5, 2015.

SAFEGUARDS AND SECURITY (SAS)

Sensitive Issue Tracking System (SITS) Collective Significance Review Completed – SAS personnel completed the SITS Collective Significance Review Assessment and distributed results to company representatives on February 25, 2015.



Contract Deliverables Approved – Safeguards and Security personnel received approval from RL for the following Contract Deliverables on February 2, 2015:

- CD0010, “Patrol Security Incident Plan”
- CD0008, “Force-On-Force Test Results”

LOOK AHEAD

None to report.

MAJOR ISSUES

None to report.

SAFETY PERFORMANCE

Emergency Services reported no Occupational Safety and Health Administration (OSHA) Recordable or first aid injuries in February. One Vehicle Accident was reported when an employee responded to a medical call and inadvertently drove out of the fire station with the air hose still attached. There was no damage to the vehicle.

BASELINE PERFORMANCE

Fund Type	February 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
RL-0020 - Safeguards & Security	\$3.8	\$3.8	\$4.4	\$0.0	(\$0.6)	\$312.7	\$312.7	\$326.3	\$0.0	(\$13.6)
Site-wide Services	\$1.8	\$1.8	\$2.4	\$0.0	(\$0.6)	\$141.1	\$141.1	\$147.8	\$0.0	(\$6.7)
Subtotal	\$5.6	\$5.6	\$6.8	\$0.0	(\$1.2)	\$453.8	\$453.8	\$474.1	\$0.0	(\$20.3)

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) (-\$1.2M) – The primary drivers for the negative cost variance are due to 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.

Contract-to-Date Cost Variance (CV) (-\$20.3M) – The primary drivers for the negative cost variance are due to 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

February 2015

YOU are at the Intersection of MSA Safety and Environmental Programs

You are at the intersection of:
Voluntary Protection Program
Integrated Safety Management System
Our Environmental Mgmt System
Automated Job Hazard Analysis
Employee Job Task Analysis
Under Stop Work Authority
Zero Accident Council

They **DON'T** Work without **YOU!**

2010-10-01 Rev 0
October 23, 2010



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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

Ferruginous Hawk Buffers Established – Buffer signs were placed on roadway access points at three known Ferruginous Hawk nests on the Hanford Site. Ferruginous Hawks are listed as “Threatened” in Washington State and are known to be especially sensitive to disturbance. In accordance with the Hanford Site Biological Resources Management Plan, the signs allow a 1,000 meter protective buffer for the birds, and provide a contact number (509/376-BIRD) so all site employees can contact subject matter experts on restrictions for work in the area. Buffering this early in the nesting season, along with upcoming monitoring, will provide information on continued use of these sites for the 2015 season.

Increase in HAMMER Training Attendance – Over the past four months, HAMMER has seen a dramatic upswing in training due to hiring around the site as well as an increased need for Respiratory Training. Compared with Fiscal Year (FY) 2014, there’s been an average training increase of 37% for the first four months of FY 2015.



Environmental Air Monitoring Station Efficiency – Environmental Surveillance staff analyzed and reported operational statistics of the environmental [ambient] air sampling stations during the 2014 calendar year. For the year, the stations operated at 98.5 percent operational efficiency, with a sample collection proficiency of 99.5 percent. Ambient air samples are collected on/near the Hanford site to provide data required for Radiological Dose Calculations to the public, and/or to provide compliance monitoring data for projects/facilities that have required monitoring per state and/or federal mandate.

LOOK AHEAD

MSA Safety Culture Survey – MSA has been requested to facilitate the development of a safety culture survey for MSA and CH2M Hill Plateau Remediation Company (CHPRC) employees. This activity was documented in the DOE Richland Operations Office (RL) Safety Culture Sustainability Plan submitted to EM-1. MSA has been assigned the leadership role to organize, plan, and execute this survey. A subcontractor has been retained to develop and distribute as well as capture the results of the survey. MSA will enlist the support of Hanford Atomic Metal Trades Council, Hanford Guards Union, and the Central Washington Building Trades Council to review and approve the survey questions and concur with the administration of the survey to ensure confidentiality and the interests of the workers are addressed. The survey is planned for early June 2015.

New Version of Seismic Program Software – Public Safety and Resource Protection (PSRP) staff and the MSA Occurrence Notification Center (ONC) are working with the University of Washington Pacific Northwest Seismic Network (PNSN) and the U.S. Geological Survey (USGS) in Golden, CO, to identify hardware requirements for installing Version 3 of the ShakeCast® software. The ShakeCast® system interfaces with the ShakeMap monitoring system that makes notifications to the Hanford ONC of earthquakes on and near the Hanford Site. This system uses strong motion data from the Hanford Site to calculate the probability of damage to structures very quickly after a potentially damaging earthquake. The calculations are based on high-resolution ShakeMaps and structural information for the Hanford Site facilities.

ShakeCast®, short for ShakeMap Broadcast, is a fully automated, freely-available open-source system for delivering specific ShakeMap products to critical users and for triggering established post-earthquake response protocols.



Health & Safety Exposition (EXPO) – MSA continues to meet with the Health and Safety EXPO planning team which consists of representatives from other Hanford contractors and Pacific Northwest National Laboratories (PNNL). As of the end of February, more than 100 vendors signed up to attend the two day event that will held on May 12 – 13, 2015. The committee is working with MSA Fire Department to ensure support of the Vehicle Accident demonstration. MSA is focusing efforts toward a cost-neutral event and is working with community leaders and businesses to garner local support.

HAMMER Finalizes Training Event Details – HAMMER staff spent the week of February 16, 2015, finalizing details for the National Training Center/HAMMER March Training Event in conjunction with the National Institute of Environmental Health Sciences (NIEHS) Worker Exchange. The event will be held on HAMMER’s campus March 3-5, 2015, and is expected to draw approximately 200 people.

MAJOR ISSUES

Mask Shortages – HAMMER has experienced significant difficulty getting masks free of debris from the laundering service. The continued shortage of clean and debris-free masks is hindering HAMMER’s ability to fill contractors’ needs for Respiratory Training. HAMMER had scheduled double sessions of Respiratory Training to make up for missed sessions during the stop work, but were unable to offer these sessions due to mask shortages.

SAFETY PERFORMANCE

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



BASELINE PERFORMANCE

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

Fund Type	February 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
RL-0040	\$0.3	\$0.3	\$0.4	\$0.0	(\$0.1)	\$37.3	\$37.3	\$41.0	\$0.0	(\$3.7)
SWS - RSS	\$0.0	\$0.0	\$0.1	\$0.0	(\$0.1)	\$3.9	\$3.9	\$4.2	\$0.0	(\$0.3)
SWS - Energy & Env. Services	\$1.5	\$1.5	\$1.2	\$0.0	\$0.3	\$84.9	\$84.9	\$71.5	\$0.0	\$13.4
SWS-S&H	\$0.7	\$0.7	\$1.3	\$0.0	(\$0.6)	\$70.0	\$70.0	\$83.6	\$0.0	(\$13.6)
SWS – Subtotal	\$2.2	\$2.2	\$2.6	\$0.0	(\$0.4)	\$158.8	\$158.8	\$159.3	\$0.0	(\$0.5)
Total ESH&T	\$2.5	\$2.5	\$3.0	\$0.0	(\$0.5)	\$196.1	\$196.1	\$200.3	\$0.0	(\$4.2)

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

RL-0040 – Cost Variance

Current Month Cost Variance (CV) (-\$0.1M) – The unfavorable current month variance is predominantly due to the prior assumption that less Environmental Management (EM) funding would be required because HAMMER could perform enough services for non-Hanford entities. This assumption has not materialized, and as a result 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 prior assumption that less EM funding would be required because HAMMER could perform enough services for non-Hanford entities. This assumption has not materialized, and as a result 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) (-\$0.1M) – The unfavorable current month variance is predominantly due to the RSS baseline work scope being funded as a usage based service, not SWS funded. However, the FY 2015 IPL provided SWS funding and authorized work scope for moving RSS services from the 300 Area to the 200 West area. This overrun will continue until the RSS move is complete.

Contract-to-Date Cost Variance (CV) (-\$0.3M) – Within threshold.

SWS – Energy and Environmental Services Cost Variance

Current Month Cost Variance (CV) (+\$0.3M) – The favorable current month variance is due to the approved funding and IPL scope being divergent from the baseline. This variance will continue and expenditures will be in accordance with approved funding and IPL scope. No other potential contributing performance issues were identified.

Contract-to-Date Cost Variance (CV) (+\$13.4M) – 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) (-\$0.6M) – The unfavorable current month variance is primarily due to the approved IPL funding and work scope increases in the Radiation Protection (-\$0.3M), Worker Safety and Health (-\$0.2M), and Beryllium (-\$0.1M) 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.

Contract-to-Date Cost Variance (CV) (-\$13.6M) – The unfavorable contract-to-date variance is primarily due to IPL scope and approved funding increases in the Radiation Protection (-\$3.5M), Worker Safety and Health (-\$5.3M), and Beryllium (-\$4.1M) 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.



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Information Management

Todd Eckman, Vice President

Monthly Performance Report

February 2015



Reduction of paper footprint on the Hanford Site



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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

Point-to-Point Wireless Network Connection Complete – MSA IM completed the point-to-point wireless network for the pump-and-treat network (GLAN). The final items on the install completion list were to upgrade the wireless link from 25Mbps to 50Mbps, and install the software encryption key. Before the point-to-point connection, the network continually lost connectivity to other network devices. The design engineer for the GLAN validated the connection throughput. Both items were completed successfully.

HPMC Occupational Medical Services (HPMC) Migrates to Hanford Federal Cloud (HFC) – MSA IM Systems Engineering and Architecture, in coordination with HPMC, migrated all clients from HPMC's network to the HFC's printer and campus segments of the network. They moved 30 clients; including personal computer users, printers, switches and uninterruptible power supplies. Moving these clients to the HFC helps segment the HPMC network and eases network management. This was an important pre-migration task for the HPMC datacenter consolidation Performance Incentive project.

CONTENT & RECORDS MANAGEMENT

Administrative Record (AR) Team Contributes to President's Green Initiative – The AR team has been continuously working to reduce the paper footprint at the Hanford Site. Currently one-third of the paper data packages on site have been turned into electronic records which is needed for legal retention purposes. This is approximately 435,000 pieces (175 feet) of paper that have been converted. The team will continue to work on converting the remaining two-thirds of the paper data packages to electronic records.



Reduction of paper footprint on the Hanford Site

INFORMATION SYSTEMS

New Version Released for the Solid Waste Information Tracking System (SWITS) – MSA IM released version 06.05.00 of the SWITS February 2, 2015. With this release, users will have a trimmed down version of SWITS, resulting in quicker training, less expensive maintenance, a streamlined configuration management, and greater user competency with the application.



LOOK AHEAD

Facility Pacification and Consolidation Performance Initiative Project Update – The facility pacification and consolidation project comprises removing all Hanford Local Area Network (HLAN) electronics from several buildings onsite, and converting them to passive fiber optic cross-connect facilities. This project will reduce the electrical footprint of the MSA IM resources, and reduce facility operations and maintenance costs. Infrastructure Engineering is progressing on designs and work packages for each of the facilities. The project as a whole is expected to be complete by September 30, 2015.

MAJOR ISSUES

No issues identified.

SAFETY PERFORMANCE

There were no Occupational Safety and Health Administration recordable injuries or First Aid injuries reported in February.

BASELINE PERFORMANCE

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

Fund Types	February 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	\$8.6	\$8.6	\$11.2	\$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	\$1.6	\$0.0	\$0.5
Site-Wide Services	\$2.6	\$2.6	\$2.3	\$0.0	\$0.3	\$209.4	\$209.4	\$206.3	\$0.0	\$3.1
Subtotal	\$2.8	\$2.8	\$2.5	\$0.0	\$0.3	\$220.1	\$220.1	\$219.1	\$0.0	\$1.0

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 BASELINE PERFORMANCE VARIANCE

Cost Variance (+\$0.3M) – 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.

Current Month Baseline performance variance: 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. In addition, Information Technology (IT) is working on the Request for Proposal (RFP) for an IT subcontractor.

CONTRACT-TO-DATE 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.

Current Month Baseline performance variance: the majority of the variances in these accounts are due to the approved funding and 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. In addition, IT is working on the RFP for an IT subcontractor in FY 2015.

MISSION SUPPORT ALLIANCE

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Portfolio Management

Steve Young, Vice President

Monthly Performance Report

February 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

Hanford Lifecycle Scope, Schedule and Cost Report (Tri-Party Agreement [TPA] Milestone M-036-01) – MSA’s PFM staff supported the RL evaluation of Ecology’s request to conduct an alternatives analysis for onsite and offsite storage of the cesium/strontium capsules in the 2016 Lifecycle Report or as part of the M-092-05 milestone. In addition, PFM personnel supported RL’s public release of the 2015 Lifecycle Report and Fact Sheet, which were posted to the DOE website (www.hanford.gov) on February 23, 2015.

Fiscal Year (FY) 2017-2021 Budget Formulation –MSA supported RL and the DOE Office of Environmental Management (EM) 10-year strategic planning sessions during February. This planning initiative focused on priority work accomplishment within EM budget targets. This effort supports EM’s integrated 10-year planning requirements.

MSA is currently supporting RL’s preparation of the FY 2016-2017 budget overview to the Regulators scheduled for April 6, 2015. RL budget request to DOE Headquarters (HQ) support includes cost/schedule reviews and coordination of the Integrated Priority List (IPL) in the MSA-created Ranked Integrated Priority List (RIPL) system.

Additionally, MSA updated and deployed to production the Lifecycle Planning Case in the Integrated Technical Data-mart (ITD) for DOE Budget Formulation customers.

Dashboards and Project Data Management Support (PDMS) – A new dashboard in support of DOE Office of River Protection (ORP) was released to production on



February 23, 2015. Ongoing meetings continue with Division Directors and their staff to document requirements and build the design for individual dashboards for each division.

MSA PFM staff released Revision 1 of the RL-11 dashboard in support of the Assistant Manager for River and Plateau (AMRP) two weeks ahead of schedule. This includes the last of the dashboard releases for the 2015 Fiscal Year Work Plan Performance Metrics updates and ITD revisions. In addition, PFM incorporated required changes to the Hanford Contract Alignment Board (HCAB) dashboard and Issue Tracker. The updated dashboard changes were released to production on February 23, 2015. These updates allow the dashboard to include Contract Manager reviews prior to submittal to the HCAB.

Planning Integration – PFM completed all modifications on the Critical Decision flow diagrams in compliance with DOE O 413.3B, *Program and Project Management for Acquisition of Capital Assets*, and delivered them to RL. RL incorporated the flow diagrams into the review of the Critical Decision procedure for inclusion into the RL Integrated Management System (RIMS). Additionally, in support of RL and the DOE Office of Environmental Management strategic planning, PFM provided a Lifecycle Cost Report dataset that crosswalks Work Breakdown Structure (WBS) elements to Analytical Building Blocks. This information identifies the remaining cleanup liability scope/cost profiles by RL project/program area.

Analytical Tools – The Functional Requirements Document for the Geographic Visualization (GeoVis) application was revised. The update included the integration of Regulatory Decision Documents to ensure existing requirements are current. The document was presented to RL's Waste Management and Deactivation and Decommissioning Division in support of the AMRP.

Portfolio Analysis Center of Excellence (PACE) – All PACE machines were upgraded to Office 2013 and Internet Explorer 11 before the site-wide mandatory push in an effort to avoid installation issues for users of the center.

PFM provided a demonstration of the systems and tools available in the PACE to the Consolidated Nuclear Security (CNS) team from the Y-12/Pantex Department of Energy sites. The CNS team also toured the MSA Network Operations Center and Data Center and received overviews on the Electronic Suspense Tracking and Routing System and Contractor Assurance systems.



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 February 2015.

BASELINE PERFORMANCE

Fund Type	February 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	\$0.0	\$0.0	\$0.1	\$0.0	(\$0.1)
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-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	\$0.5	\$0.5	\$0.3	\$0.0	\$0.2	\$39.7	\$39.7	\$38.7	\$0.0	\$1.0
Subtotal	\$0.5	\$0.5	\$0.3	\$0.0	\$0.2	\$41.2	\$41.2	\$40.1	\$0.0	\$1.1

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

BASELINE PERFORMANCE VARIANCE

Current Month Cost Variance (CV) (+\$0.2M) – 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 (IT) subcontract resources.



Contract-to-Date (CTD) Cost Variance (CV) (+\$1.1M) – The positive CTD variance is primarily due to activity in FY 2013: 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.

MISSION SUPPORT ALLIANCE

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President's Office

W. K. Johnson, President

R.E. Wilkinson, Chief Operations Officer

Monthly Performance Report

February 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

Hanford Advisory Board (HAB) Meeting – MSA C&EA staff supported RL by helping coordinate and manage the Hanford Advisory Board's full Board meeting February 4-5, 2015, in Richland, WA. One of MSA's prime responsibilities was to provide materials to support the meeting's primary topic – the Central Plateau Inner Area Cleanup Approach.

Support to RL for Environmental Management Regulator Briefing – In late February, C&EA supported RL by contributing content for the Environmental Management Regulator Briefing, slated to be held the first week in March. Attendees set to attend included members of the U.S. Environmental Protection Agency and the Washington State Department of Ecology. MSA staff also met with the RL Assistant Manager for River and Plateau (AMRP) to review and finalize the presentation prior to the meeting.



QUALITY & PERFORMANCE ASSURANCE

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

- Intermech Inc., for CHPRC in accordance with specified Nuclear Quality Assurance (NQA)-1-2008 with 2009 Addenda and Part II Subpart 2.14, Commercial Grade Item Dedication (CGID).
- Pacific Northwest National Laboratory (PNNL), for CHPRC in accordance with Office of Civilian Radioactive Waste Management Rev 18 requirements, including Supplement II, Sample Control..
- Fauske and Associates, Inc., for CHPRC in accordance with specified NQA-1-2008 with 2009 Addenda and Office of Civilian Radioactive Waste Management Revision 18 requirements, including Supplement I for Software.
- Apollo Mechanical Contractors, for CHPRC in accordance with specified NQA-1-2008 with 2009 Addenda and Part II Subpart 2.14.
- RJ Lee, for WRPS in accordance with specified NQA-1-2008 with 2009 Addenda.

Source Inspection activities performed during the reporting period included:

- Pump testing activities at American Geological Institute (AGI) Engineering, for WRPS in accordance with approved Test Procedure No. BHV-01, Rev. 2.

LOOK AHEAD

None identified.

MAJOR ISSUES

None identified.

SAFETY PERFORMANCE

In February, 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	February 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
Site-wide Services	\$0.4	\$0.4	\$0.4	\$0.0	\$0.0	\$30.8	\$30.8	\$33.2	\$0.0	(\$2.4)
Subtotal	\$0.4	\$0.4	\$0.4	\$0.0	\$0.0	\$30.8	\$30.8	\$33.2	\$0.0	(\$2.4)

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 (+\$0.0) – No variance to report.

CTD Cost Variance (-\$2.4M) – The unfavorable CTD variance is due to Mission Support Contract (MSC) Strategy work scope that wasn't assumed in the baseline. In addition, the Quality Assurance organization has been funded to perform more work than planned. The unfavorable variance is partially offset by a lower than planned volume of support requests for External Reviews.



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MISSION SUPPORT ALLIANCE

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Public Works

Lori Fritz, Vice President

Monthly Performance Report

February 2015



Crews Work on Sanitary Sewer System HAN048



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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

Final Radiological Clearance – Over a 13-day period, MSA Radiological Control completed scanning over 300 acres with the Mobile Gamma Spectrometer and collected approximately 400,000 data points. This was a key activity for completion of the final radiological clearance of an area previously constrained until an amendment to the Cultural Resource Review was completed. This data, along with the analytical data of over 120 sample points, will be evaluated with the final Radiological Release Report due to U.S. Department of Energy (DOE) Richland Operations Office (RL) by July 1, 2015.

Information Management (IM) Facilities Maintenance – MSA Real Estate Services (RES) has taken an active role in the management of the IM facilities. RES teamed with the MSA Work Management organization to review the backlog of IM facility maintenance items and managed to reduce the backlog list down to just ten items. Since the beginning of October 2014, RES has worked with MSA Maintenance to schedule and complete many of the backlogged IM facility maintenance items.

MSA Electrical Utilities (EU) Revises the EU Safety Program – EU updated their EU Safety Program document (UE-A-22.30, Rev 2) to incorporate new Occupational Safety and Health Administration (OSHA) requirements. Sections were changed or added because of the new OSHA requirements, including subcontractor/vendor interfaces, fall protection/positioning equipment, adverse weather, and worksite illumination requirements. EU took advantage of the revision by also fixing readability issues and adding information concerning the following: 254-E Transformer Shop/Testing Facility, work release and safety for service/construction/service organization (WRC/SOF),

training, personal protective equipment for arc-flash protection, apparel, underground electrical installations, live-line tools, and references.

Public Works Performance Metric Development – MSA Compliance and Risk Mitigation staff completed the development of the Water & Sewer Utilities (W&SU) performance metrics on February 25, 2015. These metrics were developed to measure the “health” of the water and sewer systems, and incorporate the principles of Conduct of Operations. Completion of these metrics closes Issue No. IIF-2012-0263.6 and No. IIF-2014-0178, both of which were due on February 28, 2015. Additional metrics are being developed and refined in the EU and Work Management areas.

Biological Barrier on Soil Contamination Area – In February of this year, MSA’s Biological Controls teamed up with CH2M HILL Plateau Remediation Company (CHPRC) Central Plateau Surveillance and Maintenance to safely apply a biological barrier fabric over 25,000 sq. ft. of land that was previously posted as a Soil Contamination Area, returning the area to an Underground Radiological Material Area posting. Six inches of gravel was then placed over the fabric. This technique allowed the radiological posting change, thereby greatly reducing the growing potential of tumbleweeds which can reach the underground radioactive source and become radioactive contamination.



Biological Barrier and Gravel Before and After

Electrical Utilities Inventories Laydown-Yard Transformers – In February, in an effort to remove excess equipment from the Hanford site, EU updated the inventory and locations of more than 300 of their 253E Laydown-yard transformers.



Inventory Update of Transformers

Special Permitting and Repairs for Sanitary Sewer System HAN048 – The Hanford Site is home to 38 sanitary sewer systems permitted through the Washington Department of Health (WDOH), 31 of which are managed by MSA’s W&SU. In October 2014, WDOH issued W&SU a new permit for sanitary sewer HAN048, located in the Site’s 600 Area. WDOH attached special conditions to the permit, requiring W&SU to update components by November 30, 2014, to address malfunctioning pumps. Upon receipt of the new permit, W&SU developed and implemented a work package that identified additional equipment in the 22-year-old system that needed replacement, and then developed a new path forward extending beyond the permit-mandated November deadline. W&SU requested an extension from WDOH, which they granted, along with a revised permit and a new deadline of March 31, 2015. After waiting for the arrival of all-new components, crews completed all field work on the project on February 26, 2015, without injury or incident. The system is currently performing to expectations during the operational test phase, expected to be completed on March 12, 2015, with a closure date set for March 23, 2015. Replacing the legacy pump components is increasing efficiency and reliability for the HAN048 system, while meeting critically important permitting requirements.



Replacement and Repairs to Sewer System HAN048

MSA Electrical Utilities Completes Maintenance on Hendrix Spacers – As a result of line patrol observations in February, EU tightened 60, and replaced 2, Hendrix spacers on the A-8-to-100 Area 13.8kV tie-line. This line serves as a backup feed to the 100 Areas from the A-8 Substation. The Hendrix spacer-cable system provides a compact configuration that reduces clearance requirements for wire on poles, and gives flexibility with the number of circuits used.



Hendrix Spacer-Cable System

Electrical Utilities' 230kV North Loop Interim Measures – During a three-day outage, EU performed maintenance activities on the steel structures on Hanford's Line #1, 230kV North Loop. EU inspected hardware and conductors, and replaced armor rod and suspension clamps showing signs of wear supporting the three conductor (wire) phases. This work helped ensure continued, uninterrupted power service to areas of the Hanford site.



Maintenance on North Loop Line

Raw Water Inlet Valve House Orifice Installation – MSA W&SU operates the 282E Raw Water Reservoir to distribute raw water across the Hanford Site, including for fire protection. Two valve houses – 282EA and 282EB – receive water pumped from the Columbia River and deliver it to the reservoir through automated level control valves (LCVs). In order to reduce turbulence and cavitation on the LCVs, a work package was developed for both valve houses and has already been implemented at 282EA, where flow-restricting orifice plates and a new spool piece were installed. That work was completed on February 10, 2015, and tests of the newly augmented LCV system show significantly reduced vibration and cavitation. Completion of the work package is expected later this spring when the 282EB valve houses will be augmented similarly.



Bolted Flanges with New Orifice Plates to Reduce Turbulence



LOOK AHEAD

Increasing Speed Limit Pending Approval – In an effort to reduce the number of vehicle accidents on the Hanford site, the Hanford Traffic Safety Committee voted to proceed with increasing the speed limit from 55 MPH to 60 MPH on Route 11A from the Yakima Barricade to Canton Avenue, and on Route 10 from SR240 to the WYE Barricade. This action will require approval by MSA upper management, and then submittal of a request and an engineering evaluation to the Benton County (WA) Traffic Engineer. If acceptable, the Benton County Traffic Engineer will draft a Resolution to be approved by the Benton County Commissioners.

Surveillance and Monitoring of Vacant Facilities – On December 10, 2015, RES received the cost estimate for removal of MO-368 and MO-842 to Environmental Restoration Disposal Facility (ERDF). Work began in January to prepare for movement. Carpenters removed the skirting, the Radiological Survey was scheduled, and bird dropping sanitation completed. A limited Automated Job Hazard Analysis (AJHA) is currently being completed, and MSA Environmental is working on the waste profile. MSA is on track to remove both mobiles around the March or April timeframe.

Support to Hanford Fire Department – MSA Real Estate Services was recently requested to evaluate MSA's current capability for providing other Hanford contractors (primarily Washington River Protection Solutions LLC [WRPS] and CHPRC) with respiratory protection services. Given the recent requirement to perform all single-shell-tank field activities using self-contained breathing air (SCBA) systems, the demand for filling of breathing air cylinders, SCBA rack maintenance, and mask-testing services has increased over five-fold in recent months. Based on projections from WRPS, the remainder of FY 2015 could require an additional five-fold increase beyond current needs. A draft evaluation report is in development and should be completed by the end of March.

Relocation of Range 10 – At the request of RL, MSA is working with the Patrol Training Academy to review the Relocation of Range 10 Proposal that was delivered to RL on July 3, 2012. DOE wants to review actions, schedule, and cost necessary if the area, which now includes the current Range 10, is transferred.

MAJOR ISSUES

Nothing to report



SAFETY PERFORMANCE

During the month of February, there were no Occupational Safety and Health Administration recordable injuries reported within Public Works. There was one minor First Aid case reported after an employee's head was struck as they were loading items into a truck.

BASELINE PERFORMANCE

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

Fund Type	February 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
RL-0014 - Rad Lqd Tk Wst Stab & Disp Ops	0.1	0.0	0.1	(0.1)	(0.1)	\$2.7	\$2.9	\$2.3	\$0.2	\$0.6
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	(0.1)	0.0	0.0	0.1	0.0	\$46.7	\$46.6	\$54.6	(\$0.1)	(\$8.0)
RL-0041 - Nuc. Fac. D&D - RC Closure Proj	0.2	0.2	0.2	0.0	0.0	\$13.7	\$13.7	\$13.2	\$0.0	\$0.5
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	\$2.8	\$2.8	\$4.1	\$0.0	(\$1.3)	\$225.3	\$225.3	\$242.2	\$0.0	(\$16.9)
Subtotal	\$3.0	\$3.0	\$4.4	\$0.0	(\$1.4)	\$289.7	\$289.8	\$314.3	\$0.1	(\$24.5)

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) (\$0.0M) No variance to report.

Current Month Cost Variance (CV) (-\$1.4M) –

SWS (-\$1.3M) – Biological Services received materials during the current month that had been planned earlier in the year correcting a fiscal to date underrun (-\$125K).

The variances in the Electrical Services (-\$553K) and Water Services (-\$720K)



accounts are due to the approved funding and priority list scope being divergent from the baseline.

Contract-to-Date Cost Variance (CV) (-\$24.5M) – 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 variances in these accounts are due to the approved funding and priority list scope being divergent from the baseline. All other aspects of this account were examined to ensure that there were no other performance issues affecting the data. In addition to this, there are other drivers to the variance:

- 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. Finally, 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 performance of Predictive Maintenance versus the Preventative Maintenance method. Electrical Services is significantly divergent from the baseline. Contract to date variance -\$12.2M.
- 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 -\$12.7M.
- 3) Other significant SWS contract to date variances include WSCF (-\$3.0M), Roads & Grounds (+\$1.9M), Traffic Management (+\$1.6M), SI&L Program Management (-\$1.6M), Work Management (-\$1.3M), Land and Facilities Management (+\$2.0M), and Central Engineering (+\$7.6M), all of which have been previously reported.
- 4) RL-40 (-\$8.0M) includes variances from several prior year Infrastructure Reliability Projects that have also been previously reported. Those projects include: 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 (+\$1.0M), Reliability Project Spares Inventory Change (-\$2.2M), ET51, HLAN Network Upgrade - Phase 2 (-\$1.1M), L-713, Records Storage Facility (-\$2.2M), ET60, Enterprise Voice over Internet Protocol (VoIP) Solution, Implementation (-\$2.5M), Miscellaneous CENRTC (-\$0.7M).

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Site Services & Interface Management

P.K. Brockman, Vice President

Monthly Performance Report

February 2015



Repairs Made to 282W Raw Water Pump



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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

Export Line Backfill – After the replacement of the #4 blow-off 8 inch valve on the 600 Area export water line, the system tested with leaks. The only option was to backfill and compact the excavation site. Before the backfill could begin, the export line was isolated and locked & tagged-out due to pressure on the line. Backfill materials and equipment were staged in the area in preparation for the work, and the backfill material was placed in twelve-inch lifts, as required by the work package. C&R was required for this task due to the weight of the pipe. After backfill was completed, Operations was notified so system could be returned to service.

2101M Breaker Maintenance – Maintenance Services performed breaker maintenance testing and repairs on large breakers for the 2101M facility. This was a high-risk activity that required significant coordination with the craft performing the work, electrical subject matter experts, Hanford Atomic Metal Trades Council (HAMTC) Safety Representative, facility occupants, and Safety and Health. There are approximately 20 breakers to remove, test, and repair, each requiring approximately 8 hours to complete. Completion of this work closed a long-standing Safety Logbook item.



2101M Breaker Maintenance

Heating, Ventilation, and Air Conditioning

(HVAC) Unit at 222S Labs – In February, MSA C&R personnel worked to a "Special/Engineered" lift plan developed by Washington River Protection Solutions LLC (WRPS) Engineering, lifting a 39 foot long by 7.5 foot wide by 8 foot tall HVAC unit from a vendor trailer into position at 222S Labs. The unit weighed over 25,000 lbs. and had 12 pickup points. The lift was performed in tight quarters surrounded by structures, steam lines, and power/communication lines. The accompanying photo illustrates the complexity of the required rigging assembly. The now more reliable unit, which replaced a pair of non-functioning units, will help extend the useful life of the 222S facility.



Lifting HVAC Unit from Vendor Trailer

282W Raw Water Pump Failure – On February 14, 2015, Maintenance Services, working with Water Utilities, replaced a failed mechanical coupling on the #1 raw water pump at the 282W facility. The mechanical coupling had failed on the previous day and affected Water Utilities' ability to provide raw water to the 200 West Area. After the equipment was locked and tagged out, the mechanical coupling was dismantled. The motor had to be unbolted from its base to enable removal of the coupling. The new mechanical coupling was installed and the motor moved back into place, re-shimmed, bolted down, and realigned with the pump. The mechanical coupling cover shroud was reinstalled and the pump was put back into service.



Workers Repair 282W Raw Water Pump

Meteorological Services – On February 13-14, 2015, Maintenance Services and C&R crafts completed preventive maintenance (PM) work on meteorological tower #11, a 200-foot tower located in the 300 Area. The work involved an ironworker climbing the tower to inspect the guy wire connections and cable attachment points. After the inspections were completed, all three levels of instrumentation on the tower were calibrated and/or replaced with new instruments. During this PM work, a new data logger system was installed. The data logger will obtain information from the instrumentation and send it to the Weather Station every half hour. This work was required to ensure the operation of Hanford Site meteorology towers and related information required for Hanford Site operations and maintenance activities.



Preventive Maintenance on Met Tower 11

C&R Supports WRPS at Tank C-102 – C&R personnel installed a new sluicer in Tank C-102 as a failed sluicer was removed several months ago. A sluicer is a very large high pressure sprayer that is inserted into a tank to break up hardened material in the tank to facilitate removal. The sluicer has an "arm" that can be hydraulically operated from a remote location. Both the 75-ton and the 30-ton Grove cranes were needed for this evolution.



New Sluicer Installed in Tank C-102

MO-2307 Emergent Repair – On February 26, 2015, a Maintenance group, involving pipefitters, a carpenter, insulator, electrician, industrial hygiene technician, and stationary operating engineers, successfully repaired the sewage drain line at mobile office (MO)-2307. The heat trace was reinstalled, insulation was replaced, and the skirting was reattached. This was a high priority job that CH2M HILL Plateau Remediation Company (CHPRC) requested be completed as soon as possible.



MO-2307 Emergent Repair

Updated Administrative Interface Agreement (AIA) – An AIA between MSA and WRPS (HNF-58568, Rev. 0) for temporary use of Building 4734-C by WRPS was implemented, allowing WRPS to use the facility to store office furniture for upcoming office moves.

300 Area Water Utility Interface Control Document

(ICD) – MSA Interface Management completed the 300 Area Water Utility ICD. Site prime contractors contributing to the success of this ICD included MSA, Pacific Northwest National Laboratory (PNNL), Washington Closure Hanford, LLC (WCH), and Johnson Controls, Inc. (JCI). MSA Water Utilities provided outstanding support in preparing the drawings, which illustrated key water and sewer line points of demarcation in the 300 Area. The ICD is being routed for final signature.

February Contractor Interface Board (CIB) Meeting – MSA Interface Management hosted the CIB meeting on February 19, 2014, which included representatives from CHRPC and WRPS. Agenda items included updates on the Radio Fire Alarm Reporter (RFAR) System Reliability Project and the Effluent Treatment Facility (ETF) transfer, the Fiscal Year Usage-Based Service performance to date, an update on the MSA-led Annual Forecast of Services, and an overview of the on-boarding process for new hires.

LOOK AHEAD

Nothing to report



MAJOR ISSUES

Mask Fit Issue – The ongoing issue on the use of tight fitting masks handled by the subcontractor, UNITECH, continues to be a concern at the Plutonium Finishing Plant (PFP). MSA Interface Management will continue to monitor this situation.

Suspension of MSA Refrigeration Equipment Services Support to WRPS – MSA Refrigeration Equipment Services (RES) notified WRPS that they have suspended work on all buildings with low slope roofs that do not have installed handrails or designated work areas. MSA RES representatives met with WRPS on February 25, 2015, to discuss the issue. This impacts work on only a few WRPS facilities. Action items have been assigned, and a follow-up meeting will be scheduled to review the information that has been received for future support to the affected facilities.

SAFETY PERFORMANCE

During the month of February, there were no Occupational Safety and Health Administration recordable injuries reported within SS&IM. There was one minor First Aid case: an employee reported a back strain after lifting items.



BASELINE PERFORMANCE

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

Fund Type	February 2015					Contract-to-Date				
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV
Site-wide Services	\$0.1	\$0.1	\$0.2	\$0.0	(\$0.1)	\$24.9	\$24.9	\$32.7	\$0.0	(\$7.8)
Subtotal	\$0.1	\$0.1	\$0.2	\$0.0	(\$0.1)	\$24.9	\$24.9	\$32.7	\$0.0	(\$7.8)

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) (-\$0.1M) – Current month variance is due to additional support being required for Interface Management during the month of February.

Contract-to-Date Cost Variance (CV) (-\$7.8M) – 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:

- 1) Increased support required for Interface Management, including additional staff and support for Liaison Services.
- 2) Unplanned WSCF Analytical Services Closeout Transition – MSA is in the process of submitting a contract change proposal for RL-authorized work scope for the FY 2014 and FY 2015 budgets. Once negotiated, this will be incorporated into the MSA contract.