



URS Corporation 12120 Shamrock Plaza, Suite 300 Omaha, NE 68154	Project Name: FWDA Work Plan and Removal
	Project Location: Fort Wingate, Gallup, NM
	NCR No.: 001
Project No.: 16170613	MRS: CAMU Grid: N/A
Contract#: W912QR-04-D-0025	Date: 9/11/2013

NONCONFORMANCE AND CORRECTIVE ACTION REPORT

Part I (UXOQC)

Description of Nonconforming Condition⁽¹⁾:

On 8/9/2013 and 9/6/2013 MEC disposal operations were conducted without constructing a "demolition pit" in accordance with FWDA RCRA Permit No. NM6213820974.

Apparent Quality Requirement Not Complied With⁽²⁾:

Section 3.13 of the HWMU Removal Work Plan, specifically, the CAMU will be constructed and operated in accordance with FWDA RCRA Permit No. NM6213820974. Excerpts from the Permit describing a demolition pit are:
 ATTACHMENT 1, GENERAL FACILITY DESCRIPTION, CAMU DESCRIPTION - ...Each demolition pit consists of a 15-foot by 15-foot area surrounded on three sides by a containment berm and is excavated to a depth of four feet below ground surface.
 ATTACHMENT 14, CAMU WASTE ANALYSIS PLAN, Table 1: CAMU General Unit and Waste Description, Open Detonation - Each demolition pit will occupy a 15-foot by 15-foot area and have a depth of 4 feet below ground surface. The interior surface of the demolitions pits will be composed of dirt.

Signature:

Andreas L. Kothleitner

Andreas Kothleitner, MR QPM 9/11/2103

(UXOQC)

(Date)

Corrective Action Due Date:

Next MEC Disposal

Severity Level:

3

Copy Delivered to:

SUXOS

PM

GEO Ops

MRP QCM

GEO QC

MRP Safety Mgr

Signature:

Robert L. Jarman

(SUXOS)

(Date)

Signature:

John Carson

(PM)

John Carson

(Date)

Part II OPERATIONS (Responsible Process Manager)

Recommended Corrective Actions⁽³⁾:

Resurvey:

Reacquire:

Other:

Reprocess:

Re-clear:

Complete all future MEC disposal shots within a pit at least 4 feet deep. Back fill the pit after each demolition is complete.

Root Cause Analysis (only for Security Level 1)⁽⁴⁾:

Signature:

Robert L. Jarman

(SUXOS)

(Date)

Signature:

John Carson

(PM)

9/12/2013

(Date)

Part III CORRECTIVE ACTION VERIFICATION, SUXOS, PM, UXOQC

Corrective Action

Completed:

(Date)

⁽⁵⁾ Signature:

Robert L. Jarman

(SUXOS)

⁽⁵⁾ Signature:

John Carson

(PM)

Corrective Action Verified

⁽⁵⁾ Signature:

(UXOQCS)

On: _____
_____ (Date) _____

URS Corporation 12120 Shamrock Plaza, Suite 300 Omaha, NE 68154		Project Name: FWDA Work Plan and Removal	
		Project Location: Fort Wingate, Gallu,p NM	
		NCR No.: 001	
Project No.:	16170613	MRS: CAMU	Grid: N/A
Contract#:	W912QR-04-D-0025	Date:	9/11/2013

UXOQCS Comments ⁽⁶⁾:
UXOQCS will verify that all future MEC disposal operations are conducted within a 4-foot excavated pit that is backfilled upon completion of the operation.

Approved New NCR
 Disapproved Number: _____ Signature: Andreas L. Kothleitner (UXOQC)

Note: When all actions have been completed a copy of this form shall be forwarded to project document control as part of the project records

Date:
MRS:
Grid:
Item:

URS Corporation 12120 Shamrock Plaza, Suite 300 Omaha, NE 68154	Project Name: FWDA Removal Action
	Project Location: Fort Wingate, Gallup, NM
	NCR No.: 2014-001
Project No.: 16170613	MRS: HWMU Grid: N/A
Contract#: W912QR-04-D-0025	Date: 10 June 2014

NONCONFORMANCE AND CORRECTIVE ACTION REPORT

Part I (UXOQC)

Description of Nonconforming Condition⁽¹⁾:

On 7 June 14, a portion of Stockpile #53, a portion of Stockpile #54, and all of Stockpile #51, (sampling results have indicated that stockpile 53 is contaminated above residential SSLs and stockpile 54 has potential human health risks associated with additive effects) were moved and placed on top of "Below Residential SSLs Stockpile" pile. As such, the segregation of different types of stockpile soils, after sampling results were received, was improperly managed.

Apparent Quality Requirement Not Complied With⁽²⁾:

Section 3.9 of the HWMU WP, Stockpile Management and Characterization Sampling.

Specifically, "The purpose of the stockpile sampling is to identify and segregate those processed stockpiles that have constituents that meet the cleanup criteria stipulated in Attachment 7 of the RCRA Permit from those that do not."

Signature:



Greg Wilson

10 June 2014

(UXOQC)

(Date)

Corrective Action Due Date:

10 June 2014

Severity Level:

3

Copy Delivered to:

- SUXOS PM MRP QCM MRP Safety Manager

Signature:



18 June 2014

(SUXOS)

(Date)

Signature:



18 June 2014

(PM)

(Date)

Part II OPERATIONS (Responsible Process Manager)

Recommended Corrective Actions⁽³⁾:

Resurvey: <input type="checkbox"/>	Reacquire: <input type="checkbox"/>	Other: <input type="checkbox"/>
Reprocess: <input type="checkbox"/>	Re-clear: <input checked="" type="checkbox"/>	

Stockpiles 51, 53, and 54 were placed in the "Below Residential SSLs Stockpile", but were placed in a manner where they could readily be moved back to the AOC. The piles were excavated to grade and hauled to the AOC. Additional soil was removed beneath where the piles had been placed and the area was sampled to verify that all contaminated soils were removed.

Soil samples P3HWMU-SKPL-RSSL-01 and P3HWMU-SKPL-RSSL-02 were collected 17 June 2014. The affected portion of the "Below Residential SSLs Stockpile" remains off limits until soil sample results are received and reviewed.

The results were received on 24 June and upon review it was determined that there is no soils contaminated above Residential SSLs remaining in the "Below Residential SSLs Stockpile".

Conducted additional training for all personnel involved with soils handling. The training emphasized communication and individual protocols and responsibilities prior to moving and individual stockpile. Implemented a working "Soil Stockpile Tracking Sheet" (example attached in table on last page). This will be completed by the loader/driver as stockpiles are placed in the AOC or moved following analysis to any other appropriate stockpile location.

Root Cause Analysis (only for Severity Level 1) ⁽⁴⁾:

Signature:

N/A
(SUXOS) (Date)

Signature:

N/A
(PM) (Date)

Part III CORRECTIVE ACTION VERIFICATION , SUXOS, PM, UXOQC

Corrective Action

Completed:

18 June 2014
(Date)

⁽⁵⁾ **Signature:**

 (SUXOS)

⁽⁵⁾ **Signature:**

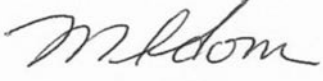
 (PM)

Corrective Action Verified

On:

01 July 2014
(Date)

⁽⁵⁾ **Signature:**

 (UXOQCS)



URS Corporation 12120 Shamrock Plaza, Suite 300 Omaha, NE 68154		Project Name: Fort Wingate Removal Action
		Project Location: Fort Wingate, Gallup, NM
		NCR No.: 001
Project No.:	16170613	MRS: HWMU Grid: N/A
Contract#:	W912QR-04-D-0025	Date: 10 June 2014

UXOQCS Comments ⁽⁶⁾:

Approved **New NCR**
 Disapproved **Number:** _____ **Signature:** _____ **(UXOQC)**

Note: When all actions have been completed a copy of this form shall be forwarded to project document control as part of the project records

Date:
MRS:
Grid:
Item:



The first four photos show the inadvertently placed soil from stockpiles SKPL-0051, SKPL-0053, and SKPL-0054.

Delineators were placed immediately to prevent any additional stockpiling.



The next five photos show the results of removing the contaminated soil piles.



The area was kept cordoned off pending soil analysis results.



Soil sample areas. High winds blew the delineators down.



PSHWMU rockpiles
SOIL STOCKPILE TRACKING SHEET

Stockpile Identification Number	Grid #	Date Started	Sample Identification Number	Date Sampled	Analytical Results Pass/Fail	Moved to (Haz Waste, Clean Backfill, Contaminated Residential SCLs)	Date Soil Moved
SKPL-0061	14	6/14/14	PSHWMU-SKPL-0061	9 June 14			
SKPL-0062	12	5 June	PSHWMU-SKPL-0062	11 June 14			
SKPL-0063	20	5 June	PSHWMU-SKPL-0063	11 June 14			
SKPL-0064	26	9 June	PSHWMU-SKPL-0064	11 June 14			
SKPL-0065	24	13 June	PSHWMU-SKPL-0065	16 June 14			
SKPL-0066	23	13 June	PSHWMU-SKPL-0066	16 June 14			
SKPL-0067	11	13 June	PSHWMU-SKPL-0067	16 June 14			
SKPL-0068	10	16 June	PSHWMU-SKPL-0068	19 June 14			
SKPL-0069	9	17 June	PSHWMU-SKPL-0069	19 June 14			
SKPL-0070	8	17 June	PSHWMU-SKPL-0070	19 June 14			
SKPL-0071			PSHWMU-SKPL-0071				
SKPL-0072			PSHWMU-SKPL-0072				
SKPL-0073			PSHWMU-SKPL-0073				
SKPL-0074			PSHWMU-SKPL-0074				
SKPL-0075			PSHWMU-SKPL-0075				
SKPL-0076			PSHWMU-SKPL-0076				
SKPL-0077			PSHWMU-SKPL-0077				
SKPL-0078			PSHWMU-SKPL-0078				
SKPL-0079			PSHWMU-SKPL-0079				
SKPL-0080			PSHWMU-SKPL-0080				
SKPL-0080			PSHWMU-SKPL-0080				

Soil Stockpile Tracking Log incorporated for tracking creation and movement of stockpiles. A working copy is required to be completed by the loader operator prior to creating or moving any stockpile. Another requirement is notification by radio to which affirms proper stockpile number and associated grid.



URS Corporation 12120 Shamrock Plaza, Suite 300 Omaha, NE 68154	Project Name: HWMU Work Plan and Removal
Project No.: 16170613	Project Location: Fort Wingate, Gallup, NM
Contract#: W912QR-04-D-0025	NCR No.: 2014-002
	MRS: HWMU Grid: N/A
	Date: 29 July 2014

NONCONFORMANCE AND CORRECTIVE ACTION REPORT

Part I (UXOQC)

Description of Nonconforming Condition⁽¹⁾:

On 28 July 2014, stockpiles SKPL-0088 and SKPL-0089 were relocated from the Area of Contamination (AOC) to the "Below Residential SSLs Stockpile" prior to receiving analytical sampling results.

Apparent Quality Requirement Not Complied With⁽²⁾:

Section 3.9 of the HWMU WP, Stockpile Management and Characterization Sampling. Specifically, "The purpose of the stockpile sampling is to identify and segregate those processed stockpiles that have constituents that meet the cleanup criteria stipulated in Attachment 7 of the RCRA Permit from those that do not."

Signature: _____ (UXOQC)	Corrective Action Due Date: 29 Jul 14 _____ (Date)	Implement upon receipt of sampling results _____ Severity Level: 3
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Copy Delivered to: SUXOS PM MRP QCM MRP Safety Manager

Signature: _____ (SUXOS)	Signature: _____ (PM)	30 Jul 14 _____ (Date)
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Part II OPERATIONS (Responsible Process Manager)

Recommended Corrective Actions⁽³⁾:	Resurvey: <input type="checkbox"/>	Reacquire: <input type="checkbox"/>	Other: <input checked="" type="checkbox"/>
	Reprocess: <input type="checkbox"/>	Re-clear: <input type="checkbox"/>	

The analytical results were received on Tuesday and Wednesday July 29 and 30. Review of the results shows that these piles do not contain any constituents that exceed Residential SSLs nor do they have any additive health effects, therefore the material may remain where placed. Corrective actions include simplification of the stockpile tracking map and procedures. Emphasized the requirement for a thorough briefing and stockpile verification for personnel involved in sampling and movement of all stockpiles. Briefed all crew on the necessity to stop any task if instructions are not understood or if clarification is needed.

Root Cause Analysis (only for Severity Level 1)⁽⁴⁾:

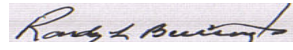
Signature: _____ (SUXOS) (Date)	Signature: _____ (PM) (Date)
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Part III CORRECTIVE ACTION VERIFICATION , SUXOS, PM, UXOQC

Corrective Action Completed:

01 Aug 14
(Date)

⁽⁵⁾ Signature:



(SUXOS)

⁽⁵⁾ Signature:



(PM)

Corrective Action Verified On:

05 Aug 14
(Date)

⁽⁵⁾ Signature:



(UXOQCS)

UXOQCS Comments ⁽⁶⁾:

- Approved
- Disapproved

New NCR

Number: _____

Signature: _____

(UXOQC)

Note: When all actions have been completed a copy of this form shall be forwarded to project document control as part of the project records

Photographs



The first three (3) shows the inadvertently placed soil from stockpiles SKPL-0088 and SKPL-0089 on existing SSL area



This photo shows the Northern boundary of where stockpiles SKPL-0088 and SKPL-0089 were dumped onto existing SSL area.



This photo shows the Southern boundary of where stockpiles SKPL-0088 and SKPL-0089 were dumped onto existing SSL area.



This Photo shows the area on the eastern boundary of the SSL area where stockpiles SKPL-0088 and SKPL-0089 were dumped.



URS Corporation 12120 Shamrock Plaza, Suite 300 Omaha, NE 68154	Project Name: HWMU Work Plan and Removal
Project No.: 16170613	Project Location: Fort Wingate, Gallup, NM
Contract#: W912QR-04-D-0025	NCR No.: 2014-003
	MRS: HWMU Grid: E1, E3, D2, D3
	Date: 28 August 2014

NONCONFORMANCE AND CORRECTIVE ACTION REPORT

Part I (UXOQC)

Description of Nonconforming Condition⁽¹⁾:

The 22 August 2014 morning geophysical Quality Control (QC) data was collected without real-time kinematic (RTK) positional corrections. The static and personnel tests were unaffected, and the background noise levels were recorded. The IVS seed response peaks were recorded, but the targeted seed positions could not be recovered.

Apparent Quality Requirement Not Complied With⁽²⁾:

Section 4.12.1.2 of the HWMU WP, Daily Geophysical Instrument QC Checks

Specifically, "Acceptance criteria for data repeatability include ± 20 percent for response amplitude of ISO items and ± 25 cm for positional accuracy."

Positional accuracy could not be verified to be within ± 25 cm due to the lack of RTK corrections.

Signature:

2
September
2014

Corrective Action Due Date:

5 September 2014

(Geo QC)

(Date)

Severity Level:

3

Copy Delivered to:

- SUXOS
 PM
 GEO Ops
 MRP QCM
 UXOQCS
 MRP Safety Mgr

Signature:

5 September 2014

(SUXOS)

(Date)

Signature:

5 September 2014

(PM)

(Date)

Part II OPERATIONS (Responsible Process Manager)

Recommended Corrective Actions⁽³⁾:

Resurvey: <input type="checkbox"/>	Reacquire: <input type="checkbox"/>	Other: <input checked="" type="checkbox"/>
Reprocess: <input type="checkbox"/>	Re-clear: <input type="checkbox"/>	

Although the 22 August 2014 preproduction IVS data was collected without an RTK correction, the IVS seed responses are within expected tolerances (i.e., 6.8% of expected), and compare favorably to the postproduction IVS data (Attachment 1). The postproduction IVS data conforms to project tolerances for both response and positional accuracy. The GPS quality indicator for all production data collected on 22 August is "4" indicative of RTK signal reception/application as recorded in the National Marine Electronics Association (NMEA) GGA (Time, position, and fix related data) string recorded in the data file. With the exception of the preproduction IVS test, the QC indicators as described above support the correctness of the 22 August 2014 production data set.

The omission of RTK corrected positional information is isolated to the preproduction IVS data. Recommend 22 August 2014 production data is accepted without reservation. Production personnel reminded to observe visual cues on GPS hardware (blinking green light) as well as quality indicator on the acquisition software graphical interface.



URS Corporation
 12120 Shamrock Plaza, Suite 300
 Omaha, NE 68154

Project Name: HWMU Work Plan and Removal

Project Location: Fort Wingate, Gallup, NM

NCR No.: 2014-003

Project No.: 16170613

MRS: HWMU

Grid: E1, E3, D2, D3

Contract#: W912QR-04-D-0025

Date: 28 August 2014

Root Cause Analysis (only for Severity Level 1) ⁽⁴⁾:

Signature:

_____ N/A _____
 (SUXOS) (Date)

Signature:

_____ N/A _____
 (PM) (Date)

Part III CORRECTIVE ACTION VERIFICATION , SUXOS, PM, UXOQC

Corrective Action Completed:

_____ (Date)

⁽⁵⁾ Signature:

_____ (SUXOS)

⁽⁵⁾ Signature:

_____ (PM)

Corrective Action Verified On:

_____ (Date)

⁽⁵⁾ Signature:

_____ *M. L. Don* _____ (UXOQCS)

⁽⁵⁾ Signature:

_____ *Harold W. ...* _____ (Project Geophys.)

Project QC Geophysicist's Comments ⁽⁶⁾:

I concur with the above explanation and recommendations.

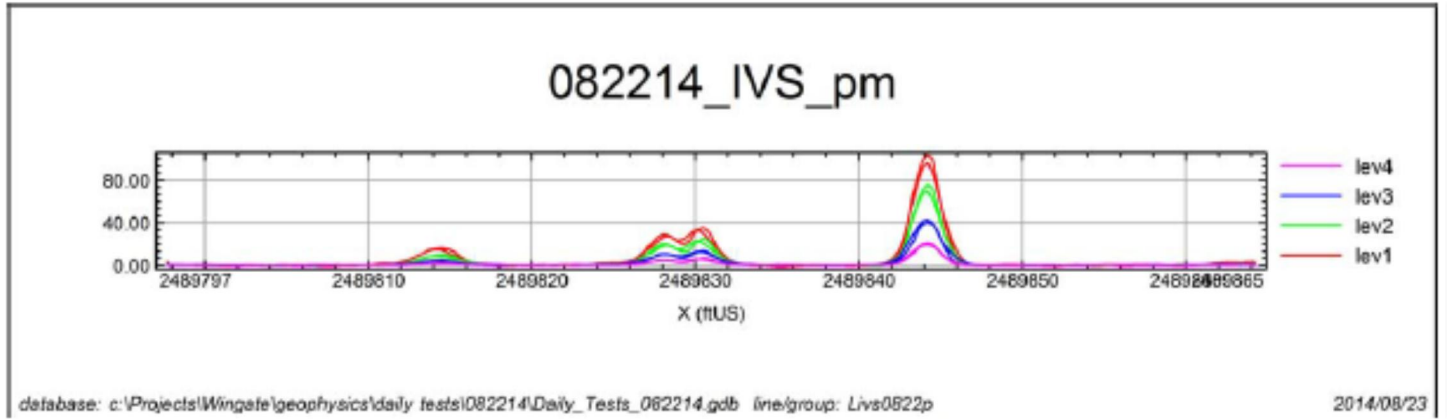
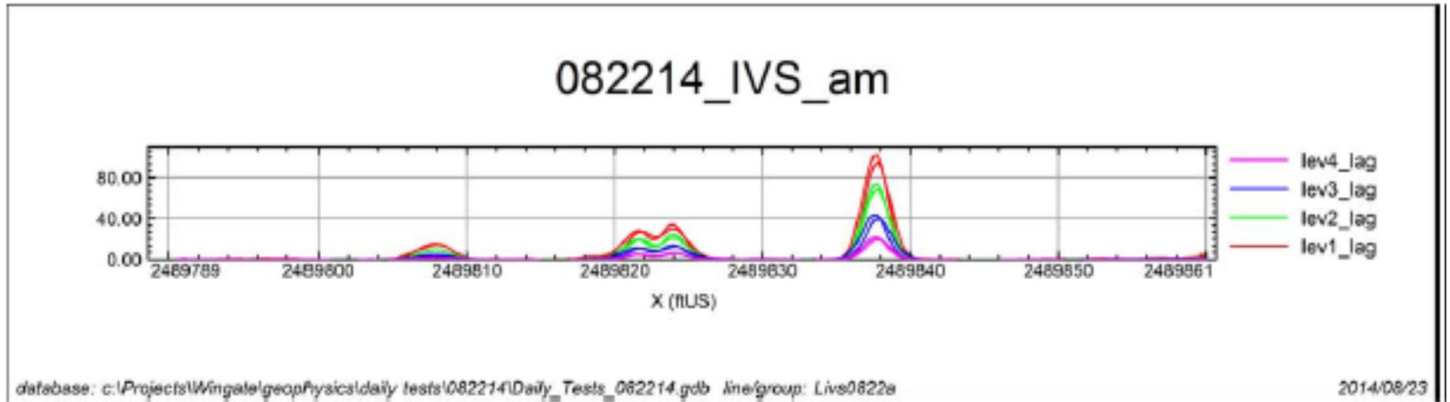
- Approved
- Disapproved

New NCR Number: _____

Signature: _____ (UXOQCS/GEOQC)

Note: When all actions have been completed a copy of this form shall be forwarded to project document control as part of the project records

Attachment 1



Removal Action		Nonconforming Process			Report Number: HWMU-2018-001
MEC Site:	FWDA Parcel 3 HWMU	Geo Survey <input type="checkbox"/>	Reacquisition <input type="checkbox"/>	Analog Removal <input type="checkbox"/>	Date: 08 Jan 2018
Grid:	A-10	Processing <input type="checkbox"/>	Target Anomaly Resolution <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	

PART I: UXOQCS

Description of Nonconforming Condition: **(1)**

QC seed # DGM-001 was not recovered from HWMU grid A10 during sub-surface removal operations.

Grid A10 was seeded with seed #DGM-001 on 14 December 2017 with DGM data collected the same day. This seed was selected as a target and given the target (Anomaly) number A10_4. Operations completed intrusive removal operations on 21 December 2017.

On 8 Jan 2018, the UXOQCS and Site Manager verified the presence of the seed at anomaly A10_4 and determined it was not recovered during intrusive removal operations.



Seed DGM-001 buried north-south horizontal at a depth of 4"

Apparent Quality Requirement not Complied With: **(2)**

WP Table 4-1: Operations did not remove an ISO (blind seed).

Signature (UXOQCS): <i>Randy L. Buehler</i>	Date: 08 January 2018	Corrective Action Due Date: 17 January 2018	
Copy Delivered to: SUXOS <input checked="" type="checkbox"/> PM <input checked="" type="checkbox"/> Geo Ops <input checked="" type="checkbox"/> MRP QCM <input checked="" type="checkbox"/> Geo QC <input checked="" type="checkbox"/> MRP Safety Manager <input type="checkbox"/>			
Signature (SUXOS): <i>Aaron S. Buehler</i>	Date: 10 January 2018	Signature (PM): <i>JL</i>	Date: 11 January 2018

PART II: OPERATIONS (Responsible Process Manager)

Corrective Action(s) (3)	Resurvey <input type="checkbox"/>	Reacquisition <input type="checkbox"/>	Other <input type="checkbox"/>
	Reprocess <input type="checkbox"/>	Re-clear <input checked="" type="checkbox"/>	

Reinforce and review intrusive procedure with both teams and allow sufficient time for the teams to perform and complete work assigned. Only personnel that attended the EM61 field training provided by a project Geophysicist will operate the EM-61 for all future reacquisition and resolution operations. Ops will re-verify (14) targets in grid A10 as well as the following B10 targets: B10_21, B10_54, B10_68, B10_86, B11_11, B11_32, B11_82, B11_87, B11_9, B9_10. Grid B10 target recovery weights poorly correlated to original mV response.

Root Cause Analysis (only for severity level 1): **(4)**

Signature (SUXOS): <i>Aaron S. Buehler</i>	Date: 10 January 2018	Signature (PM): <i>JL</i>	Date: 11 January 2018
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PART III (Corrective Action Verification, SUXOS, PM, UXOQCS):

Corrective Action Completed Date: 19 January 2018	(5) Signature (SUXOS): <i>Aaron S. Buehler</i>
	(5) Signature (PM): <i>JL</i>
Corrective Action Verified Date: 19 January 2018	(5) Signature (UXOQCS): <i>Randy L. Buehler</i>

Closeout Comments UXOQCS: **(6)**

Team safety & THA/AHA brief was completed. EM-61 pre-operational QC checks were completed and recorded by trained operators. Target locations were relocated and flagged using RTK/GPS for the following targets:

- Grid A10: A10_1, A10_2, A10_3, A10_4, A10_5, A10_6, A10_7, A10_8, A10_9, A10_10, A10_11, A10_12, A10_13, and A10_14.
- Grid B9: B9_10.
- Grid B10: B10_21, B10_54, B10_68, and B10_86.
- Grid B11: B11_9, B11_11, B11_32, B11_82, and B11_87.

All the above targets were previously investigated by Operations and reported as resolved on 21 December 2017. As part of corrective action for this NCR, Operations re-verified all fourteen (14) targets in Grid A10 and an additional ten (10) targets in grid B9, B10, and B11 which were selected for re-verification by the Project as a result of his review of the target weights correlating to original mV response.

Anomaly reacquisition for all targets was completed using the EM-61. Targets with mV readings above project threshold were intrusively investigated, any metal removed, and the final mV reading was verified with the EM-61. Any targets with a reacquisition mV response less than the project threshold of 4 mV was re-verified with the EM-61 around the flag and verified as resolved.

UXOQCS conducted real-time verification of final mV response readings for all the above targets with no discrepancies noted.

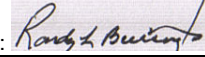
- Observed the detection and recovery of QC seed # DGM-001 at anomaly # A10_4.
- No MEC was reported during Operations' corrective action procedures for these targets.
- No false positives were reported.

Verified corrective action with no discrepancies noted. No further action is required.

Approved Disapproved

New NCR Number:

Signature (UXOQCS):



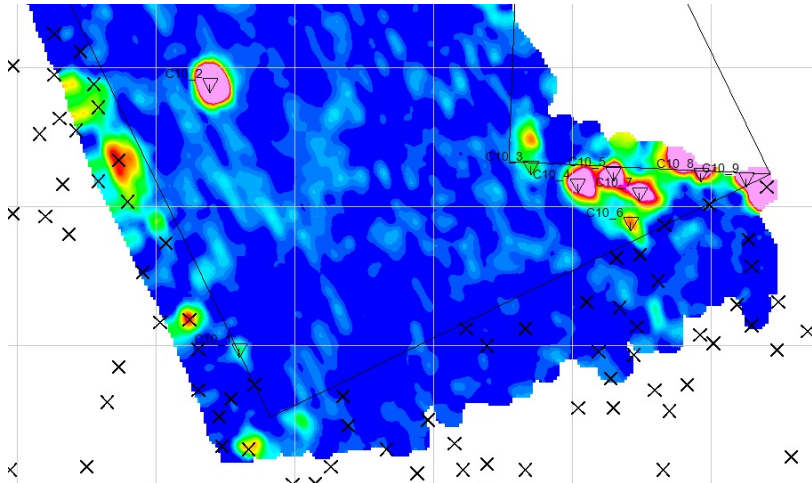
Note 1: When all actions have been completed a copy of this form shall be attached to the Grid Final QC Report Form

Removal Action		Nonconforming Process			Report Number: HWMU-2018-002
MEC Site:	FWDA Parcel 3 HWMU	Geo Survey <input type="checkbox"/>	Reacquisition <input type="checkbox"/>	Analog Removal <input type="checkbox"/>	Date: 02 Feb 2018
Grid:	B-10	Processing <input type="checkbox"/>	Target Anomaly Resolution <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	

PART I: QC Geophysicist

Description of Nonconforming Condition: **(1)**

Data collected on 27 January 2018 in grid C-10 overlapped with adjacent grids that were previously mapped and intrusively investigated, as shown in the below image. The triangles represent new target picks in C-10, while the Xs are the previously targets in B-10. Despite dig results that list these targets as resolved, it is clear that some still have a response above the project threshold.



Apparent Quality Requirement not Complied With: **(2)**

WP Table 4-1: Intrusive Investigation (Target Anomaly Resolution)

Signature (QC Geophysicist): <i>[Handwritten Signature]</i>		Date: 02 February 2018	Corrective Action Due Date: 10 February 2018
Copy Delivered to: SUXOS <input checked="" type="checkbox"/> PM <input checked="" type="checkbox"/> Geo Ops <input checked="" type="checkbox"/> MRP QCM <input checked="" type="checkbox"/> UXOQCS <input checked="" type="checkbox"/> MRP Safety Manager <input type="checkbox"/>			
Signature (SUXOS): <i>[Handwritten Signature]</i>		Date: 06 February 2018	Signature (PM): <i>[Handwritten Signature]</i> Date: 06 February 2018

PART II: OPERATIONS (Responsible Process Manager)

Corrective Action(s) (3)	Resurvey <input type="checkbox"/>	Reacquisition <input type="checkbox"/>	Other <input type="checkbox"/>
	Reprocess <input type="checkbox"/>	Re-clear <input checked="" type="checkbox"/>	

Ops will re-verify the following B10 targets: B10_61, B10_64, B10_65, B10_66, B10_77, B10_78, B10_88, and in B9, target B9_12. The following additional targets will be intrusively investigated: B10_112, B10_113, B10_111, B10_114, B10_110, C9_95 (dig list provided by Project Geo).

Root Cause Analysis (only for severity level 1): **(4)**

N/A

Signature (SUXOS): N/A	Date:	Signature (PM): N/A	Date:
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PART III (Corrective Action Verification, SUXOS, PM, UXOQCS):

Corrective Action Completed Date: 02 February 2018	(5) Signature (SUXOS): <i>[Handwritten Signature]</i>
	(5) Signature (PM): <i>[Handwritten Signature]</i>
Corrective Action Verified Date: 02 Feb. 2018	(5) Signature (UXOQCS): <i>[Handwritten Signature]</i>

Closeout Comments UXOQCS: **(6)**

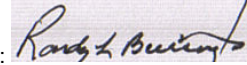
- Operations completed the following corrective action:
 - Re-verification of the following targets: B9_12, B10_61, B10_64, B10_65, B10_66, B10_77, B10_78, and B10_88.
 - The following additional targets, selected by the project Geophysicist, were intrusively investigated: C9_95, B10_112, B10_113, B10_111, B10_114, and B10_110.

- Team safety & THA/AHA brief was completed. EM-61 pre-operational QC checks were completed and recorded by trained operators. Target locations were relocated and flagged using RTK/GPS for the above targets. Anomaly reacquisition for all targets was completed using the EM-61. Targets were intrusively investigated, any metal removed, and the final mV readings were verified with the EM-61 to ensure mV responses were below project threshold of 4 mV.
 - UXOQCS conducted real-time verification of final mV response readings for all the above targets with no discrepancies noted.
 - No MEC was reported during Operations' corrective action procedures for these targets.
 - One (1) False Positive (No Find) was reported and verified at anomaly # B10_88.
- Final corrective action for this NCR is complete and approved. No further action is required.

Approved Disapproved

New NCR Number: N/A

Signature (UXOQCS):



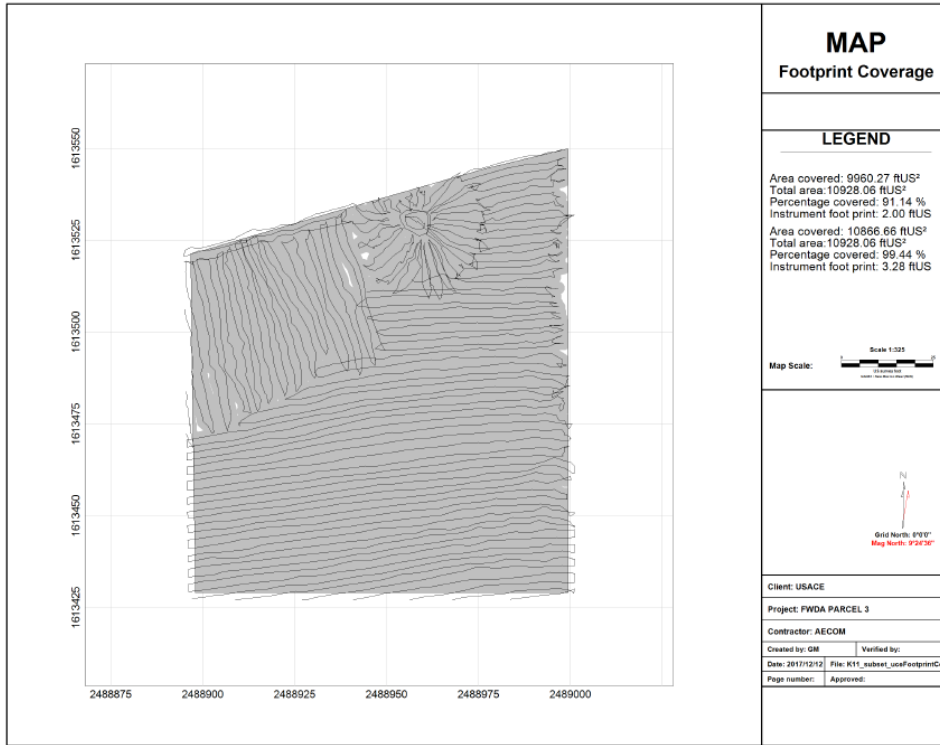
Note 1: When all actions have been completed a copy of this form shall be attached to the Grid Final QC Report Form

Removal Action		Nonconforming Process			Report Number: HWMU-2018-003
MEC Site:	FWDA Parcel 3 HWMU	Geo Survey <input checked="" type="checkbox"/>	Reacquisition <input type="checkbox"/>	Analog Removal <input type="checkbox"/>	Date: 23 February 2018
Grid:	K-11	Processing <input type="checkbox"/>	Target Anomaly Resolution <input type="checkbox"/>	Other <input type="checkbox"/>	

PART I: QC Geophysicist

Description of Nonconforming Condition: **(1)**

Data collected on 09 February 2018 in grid K-11 does not meet the criteria of 95% coverage at 0.6m, falling short with 91.14%. Grids A-10 and C-10 also fell just short of this measurement criteria with 93.91% and 94.49%, respectively.



Apparent Quality Requirement not Complied With: **(2)**

WP Table 4-1: DGM Coverage >95% coverage at project design line spacing and 98% coverage at 1 meter line spacing



Signature (QC Geophysicist): <i>[Signature]</i>	Date: 23 February 2018	Corrective Action Due Date: 02 March 2018	
Copy Delivered to: SUXOS <input checked="" type="checkbox"/> PM <input checked="" type="checkbox"/> Geo Ops <input checked="" type="checkbox"/> MRP QCM <input checked="" type="checkbox"/> UXOQCS <input checked="" type="checkbox"/> MRP Safety Manager <input type="checkbox"/>			
Signature (SUXOS): <i>[Signature]</i>	Date: 28 February 2018	Signature (PM): <i>[Signature]</i>	Date: 28 February 2018

PART II: OPERATIONS (Responsible Process Manager)



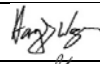
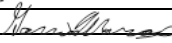
Corrective Action(s) (3)	Resurvey <input checked="" type="checkbox"/>	Reacquisition <input type="checkbox"/>	Other <input checked="" type="checkbox"/>
	Reprocess <input type="checkbox"/>	Re-clear <input type="checkbox"/>	


Grids that exhibit challenging terrain (e.g., excavation pits, soil stockpiled in adjacent grids) are more likely to be associated with coverage deficiencies. In these instances the data collection team will collect additional data in the vicinity of the terrain challenges. Obstacles to data collection will be noted in the log and the obstacle identified by encircling with the EM61 or recording the position with the RTK rover independently. A photograph will be taken of each production grid and transmitted with the raw data. In order to ensure the gaps and anomalies along the NE border of K11 are captured, infill data in K11 will be collected within a rectangular area extending approximately 15 feet west of the eastern boundary and 90 feet south of the NW corner of the K11 Grid. The K11 infill data will be collected and the results submitted with the next DGM submittal package.

Root Cause Analysis (only for severity level 1): **(4)**

Signature (SUXOS): 	Date: 28 February 2018	Signature (PM): 	Date: 28 February 2018
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PART III (Corrective Action Verification, SUXOS, PM, UXOQCS):

Corrective Action Completed Date: 09 March 2018	(5) Signature (SUXOS): 
	(5) Signature (PM): 
	(5) Signature (QC Geophysicist): 
Corrective Action Verified Date: 09 March 2018	(5) Signature (Project Geophysicist): 
Closeout Comments UXOQCS: (6)	

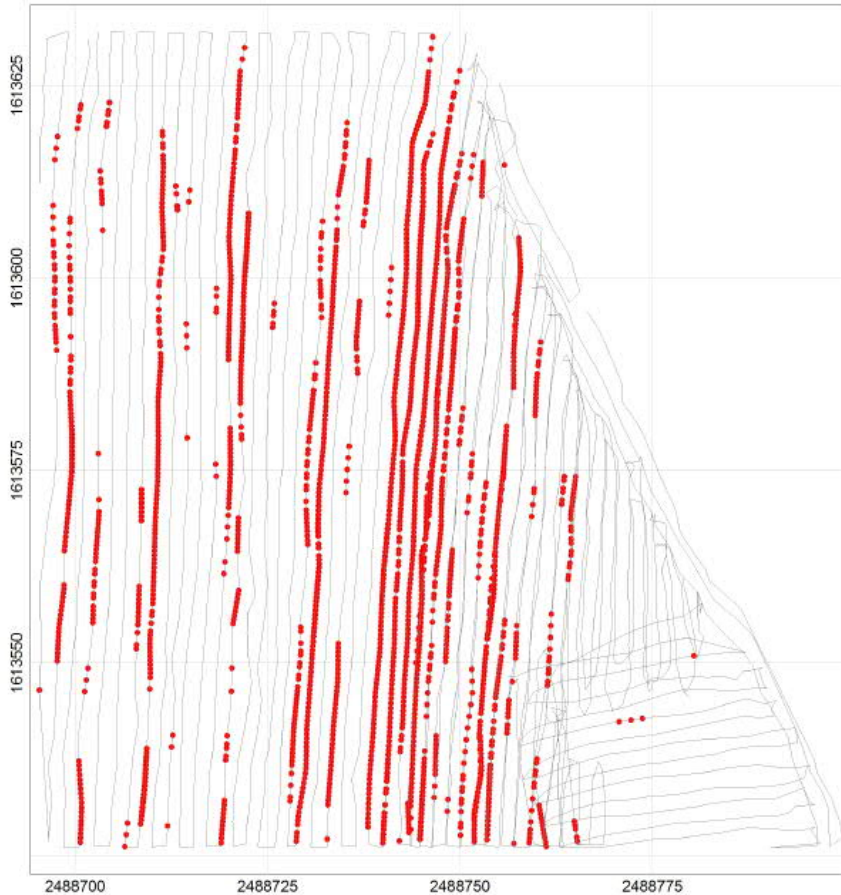
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	New NCR Number:	Signature (UXOQCS): 
Note 1: When all actions have been completed a copy of this form shall be attached to the Grid Final QC Report Form		

Removal Action		Nonconforming Process			Report Number: HWMU-2018-004
MEC Site:	FWDA Inner Fence	Geo Survey <input checked="" type="checkbox"/>	Reacquisition <input type="checkbox"/>	Analog Removal <input type="checkbox"/>	Date: 16 May 2018
Grid:	L-9	Processing <input type="checkbox"/>	Target Anomaly Resolution <input type="checkbox"/>	Other <input type="checkbox"/>	

PART I: QC Geophysicist

Description of Nonconforming Condition: (1)

Data collected on 12 May 2018 in grid L-9 does not meet the criteria of 95% coverage at or below 3.3 mph, falling short with 88%. Grids K-9 and L-8 short of this measurement criteria with 94.22% and 91.46%, respectively.



MAP Velocity

LEGEND

Velocity above acceptable range: 12.00%
 Acceptable velocity range: (0.00 to 3.30): 88.00 %
 Velocity below acceptable range: : 0.00%
 Total processed Lines : 6
 Min_Speed = 0.00
 Max_Speed = 4.27
 Mean_Speed = 2.30
 StdDev_Speed = 0.91



Client: USACE	
Project: FWDA PARCEL 3	
Contractor: AECOM	
Created by: GM	Verified by:
Date: 2017/12/12	File: L9_IP_subset_VelocityMap
Page number:	Approved:

Apparent Quality Requirement not Complied With: (2)

WP Table 4-1: DGM Coverage >95% coverage at project design speed.

Signature (QC Geophysicist): <i>[Signature]</i>		Date: 16 May 2018	Corrective Action Due Date: 21 May 2018
Copy Delivered to: SUXOS <input checked="" type="checkbox"/> PM <input checked="" type="checkbox"/> Geo Ops <input checked="" type="checkbox"/> MRP QCM <input checked="" type="checkbox"/> UXOQCS <input checked="" type="checkbox"/> MRP Safety Manager <input type="checkbox"/>			
Signature (SUXOS): <i>[Signature]</i>		Date: 16 May 2018	Signature (PM): <i>[Signature]</i>
		Date: 16 May 2018	Date: 16 May 2018

PART II: OPERATIONS (Responsible Process Manager)

Corrective Action(s) (3)	Resurvey <input type="checkbox"/>	Reacquisition <input type="checkbox"/>	Other <input checked="" type="checkbox"/>
	Reprocess <input type="checkbox"/>	Re-clear <input type="checkbox"/>	

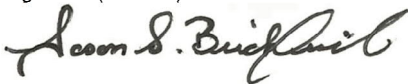

In order to reinforce the target data collection speed, the field team is directed to conduct onsite training. The maximum allowable collection speed documented in the project IVS Report (December 2017) is 3.3 mph. The collection team will practice walking with the EM61 in tow at a maximum target velocity of 3.1 mph (4.5 ft/sec). The team members must demonstrate the ability to walk 100 ft (tape measure stretched taught on the ground) at a timed rate not to exceed 22 seconds for 3 consecutive passes. Data need not be recorded during this training; however, the

team lead will record that each team member has completed the evaluation in the daily log at the next available opportunity. The velocity training will be repeated at the discretion of the Project Geophysicist.



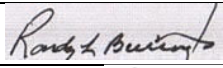

Spot checking noise between line segments that did/did not exceed the velocity MQO indicates that incremental exceedances of the 3.3 mph velocity metric does not adversely affect the data quality within the aforementioned grids. See attached spot check comparison of a segment of data within Grid L8. Excessive velocities would inevitably produce noise that may potentially contribute to an increased false positive rate; however, there is no indication that velocity exceedances were large enough to create this condition. No previous velocity metric failure has been noted during the project.

Other dynamic performance metrics to include coverage, down-line sample spacing and blind seed detection all passed project-specific MQOs. For this reason it is recommended that the data set be accepted without qualifiers.

Root Cause Analysis (only for severity level 1): **(4)**

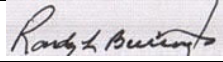
Signature (SUXOS): 	Date: 17 May 2018	Signature (PM): 	Date: 17 May 2018
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PART III (Corrective Action Verification, SUXOS, PM, UXOQCS):

Corrective Action Completed Date: 22 May 2018	(5) Signature (SUXOS): 
	(5) Signature (PM): 
Corrective Action Verified Date: 22 May 2018	(5) Signature (UXOQCS): 
	(5) Signature (Project Geophysicist): 

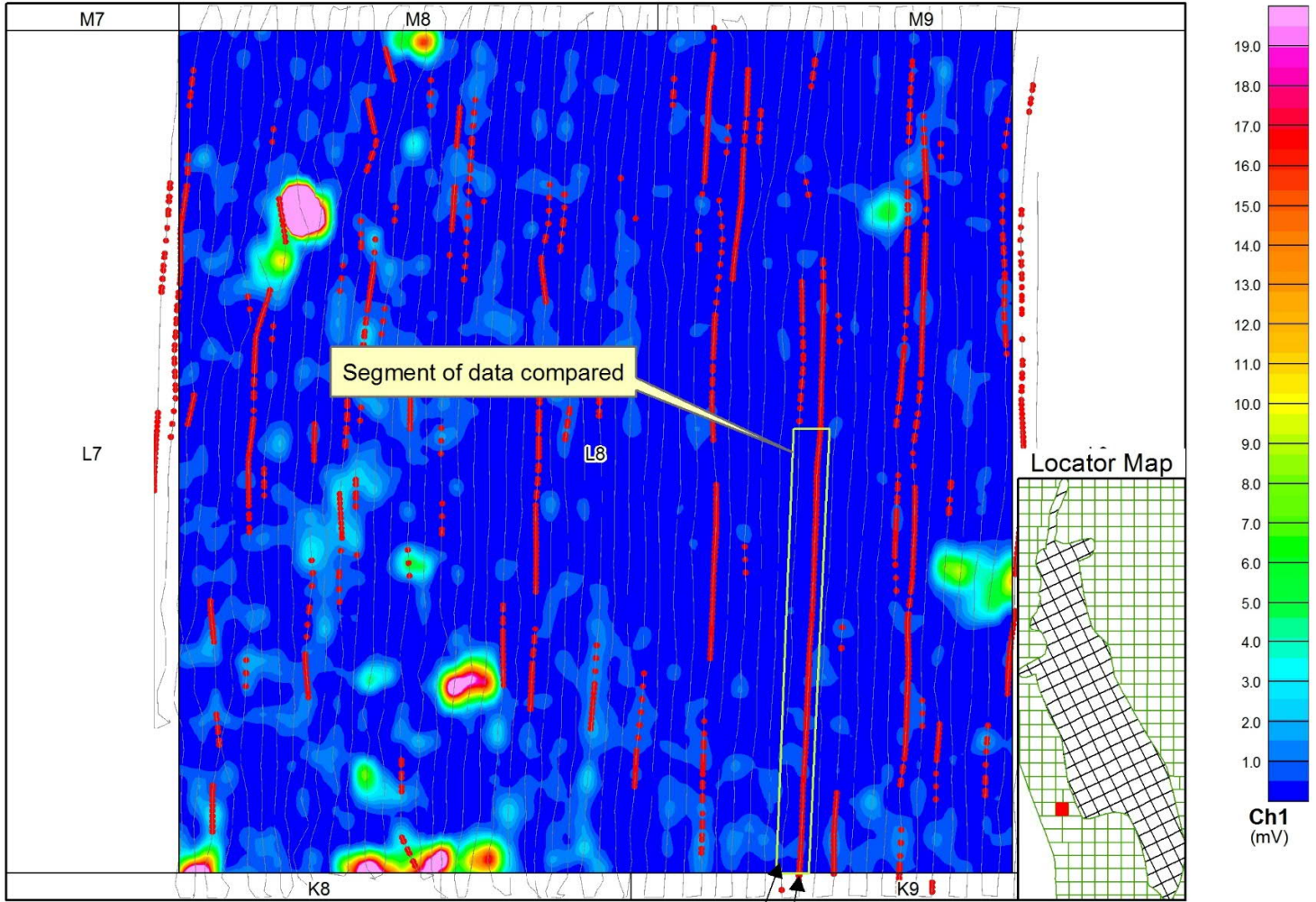
Closeout Comments UXOQCS: **(6)**

Geo personnel completed mandated training, and each demonstrated the ability to walk a 100' tape with the EM-61 in tow at a rate not exceeding 3.3 m.p.h. The T/L will document this training in the Geo T/L Logbook.

<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	New NCR Number:	Signature (UXOQCS): 
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Note 1: When all actions have been completed a copy of this form shall be attached to the Grid Final QC Report Form

Fort Wingate Depot Activity NCR HWMU-2018-004 Response



Velocity above acceptable range: 8.54%

Acceptable velocity range: (0.00 to 3.30): 91.46 %

Velocity below acceptable range: : 0.00%

Total processed Lines : 3

Min_Speed = 0.01

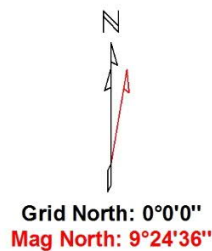
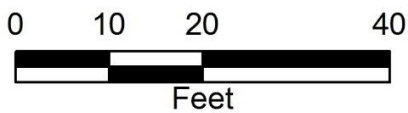
Max_Speed = 4.23

Mean_Speed = 2.53

StdDev_Speed = 0.69

Line	minimum v	maximum v	mean v	minimum lev1 response (mV)	maximum lev1 response (mV)	mean lev1 response (mV)	STDV lev1 response (mV)
Velocity \leq 3.3 mph	2.48	3.30	2.90	-0.85	1.51	0.13	0.42
Velocity \geq 3.3 mph	3.31	4.02	3.67	-1.23	1.84	0.20	0.62
IVS Background line 121217 AM	0.02	2.29	1.01	-1.83	1.48	-0.05	0.58

Coordinate System: NAD 1983 StatePlane New Mexico West FIPS 3003 Feet
 Projection: Transverse Mercator
 Datum: North American 1983
 Units: Foot US



Removal Action		Nonconforming Process			Report Number: HWMU-2019-001
MEC Site:	FWDA Parcel 3 HWMU	Geo Survey <input type="checkbox"/>	Reacquisition <input type="checkbox"/>	Analog Removal <input type="checkbox"/>	Date: 09 July 2019
Grid:	ILB - HWMU	Processing <input type="checkbox"/>	Target Anomaly Resolution <input type="checkbox"/>	Other <input checked="" type="checkbox"/>	

PART I: UXOQCS

Description of Nonconforming Condition: **(1)**

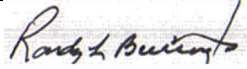
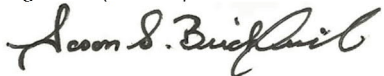

On 8 July 2019, during 2nd shift soil screening operations, a 4 lb. M83 frag bomb was identified and determined to be unacceptable to move by the Inspection Line Barricade (ILB) SUXOS-qualified and UXOSO-qualified technicians. On the morning of 9 July 2019, the M83 was not located in the designated blow-in-place (BIP) pan outside of the ILB at the hazardous waste management unit (HWMU) in accordance with work plan procedures, but rather located at the thermal flashing unit (TFU) location in a TFU basket.

NCR Severity Level 2: A classification assigned to a condition that indicates a systemic failure to prescribe or implement requirements properly and whose effect undermines the ability to ensure and demonstrate confidence in quality or safety.

Apparent Quality Requirement not Complied With: **(2)**

WP Section 3.9.1 - MEC items determined unacceptable to move by the SUXOS-qualified and UXOSO-qualified technicians will be diverted and conveyed to a safe area for disposal by detonation. The material determined to be MDAS will be deposited into a roll-off container or other container. This material will periodically be removed and transported to the Thermal Flashing Unit (TFU) for flashing.

Table 4-1: MPPEH Inspection / Verification: Failure to verify proper segregation of MPPEH.

Signature (UXOQCS): 	Date: 9 July 2019	Corrective Action Due Date: 10 July 2019	
Copy Delivered to: SUXOS <input checked="" type="checkbox"/> PM <input checked="" type="checkbox"/> Geo Ops <input checked="" type="checkbox"/> MRP QCM <input checked="" type="checkbox"/> UXOQCS <input checked="" type="checkbox"/> MRP Safety Manager <input checked="" type="checkbox"/>			
Signature (SUXOS): 	Date: 9 July 2019	Signature (PM): 	Date: 9 July 2019

PART II: OPERATIONS (Responsible Process Manager)

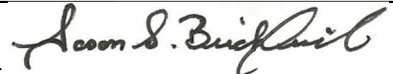

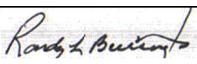
Corrective Action(s) (3)	Resurvey <input type="checkbox"/>	Reacquisition <input type="checkbox"/>	Other <input checked="" type="checkbox"/>
	Reprocess <input type="checkbox"/>	Re-clear <input type="checkbox"/>	

Written corrective action procedures are in the NCR attachment (see below) and posted in the ILB, Control Station, TFU, Inner Fence, and the MDAS trailer. Additionally; A Safety Stand Down was conducted: Each group of UXO shift personnel (Inner Fence, ILB/Control, TFU/Geo/Demo Team, and 2nd/3rd Shift) were briefed on individual roles & responsibilities, MEC/BIP procedures, MEC hazard exposure, SULU, and policy standards.

Root Cause Analysis (only for severity level 1): **(2)**

Signature (SUXOS): 	Date: 10 July 2019	Signature (PM): 	Date: 10 July 2019
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PART III (Corrective Action Verification, SUXOS, PM, UXOQCS):

Corrective Action Completed Date: 10 July 2019	(5) Signature (SUXOS): 
	(5) Signature (PM): 
Corrective Action Verified Date: 10 July 2019	(5) Signature (UXOQCS): 

Closeout Comments UXOQCS: **(6)**

Reviewed and verified Operations' standardized procedures for reporting MEC determined to be unacceptable to move (blow-in-place). Copies of the standard procedures were posted as described in Part II.

Part of the improvements to the procedures included the following:

- Requiring Control Station personnel to verify the successful transfer of the BIP via camera when directed by the ILB. The Control Station camera has a better viewing angle of the BIP pan.
- Requiring verification and accountability of all BIPs by ILB personnel prior to movement or transfer of the MDAS trailer from the ILB to the TFU.

- Requiring a visual inspection of the MDAS trailer contents prior to transfer from the ILB to the TFU. Any orange-painted metal will be verified as not to be MEC.

Attended and also briefed part of the required safety stand-down as described above in SUXOS comments.

To verify all personnel understood the BIP reporting procedures, Q/C implemented a Q/C "BIP Seed" for soil screening operations. This seed, a clearly marked medium-sized ISO, was placed in the grizzly screen and surge hopper for 1st and 2nd shift operations respectively. This seed was properly identified as a BIP during soil screening operations, and all reporting and verification procedures were followed. The BIP seed was successfully transferred to the BIP pan, verified, and reported for each shift.

This seeding program will be an on-going tool to ensure all personnel become thoroughly familiar with reporting procedures and verification of MEC determined to be unacceptable to move during soil screening operations.

<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	New NCR Number: N/A	Signature (UXOQCS): 
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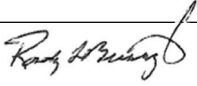
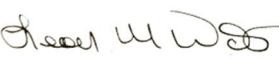

ATTACHMENT

MDAS Container Trailer Driver

- Prior to connecting to the MDAS container trailer, the driver must confirm with ILB Supervisor that all blow-in-place (BIP) items have been properly documented and are accounted for.
- The driver must also perform a visual inspection of the container contents prior to connecting the trailer. If there is any presence of orange painted metal, the trailer will not be hooked up.
- The driver must immediately communicate this condition to the SUXOS.

Unacceptable to move MEC procedures for the ILB

- When a suspected blow-in-place (BIP) item enters the inspection line, an ILB team member will announce "We have a BIP."
- The ILB Supervisor will use the belt speed control to safely stop the M3 belt (ILB conveyor belt) and then direct plant control to stop the feed. The ILB Supervisor and ILB Safety will then conduct a more thorough inspection of the item to determine if the item is acceptable or unacceptable to move.
- If the item is determined to be unacceptable to move, a BIP item, the metal around the item will be cleared facilitate a transfer of the item to the M10 stacker belt (diversion conveyor belt). If the item is determined to be acceptable to move it will be removed from the conveyor belt and placed in the ILB acceptable to move container.
- A BIP item will be painted bright orange and a line is painted on the M3 conveyor belt to assist with transferring the to the M10 stacker belt.
- The M10 stacker belt is then moved to be lined up over the BIP pan.
- The M3 belt is then activated to convey the BIP item from inside the ILB to the hopper of M10 stacker.
- The ILB Supervisor will then direct the HWMU Control Station to shut down the plant. Once the Control Station confirms with the ILB supervisor the plant has been shut down, the ILB Supervisor and Safety will exit the ILB to confirm the BIP item is in the M10 hopper, re-inspect the BIP item to confirm the explosive safety status determination that it is an unacceptable to move item, and, if so, add a couple of sock sandbags to secure the BIP item prior to it proceeding up the M10 stacker incline conveyor belt. The ILB Supervisor and Safety will also visually confirm the M10 stacker is properly lined up over the BIP pan. *Note: If the item is determined to be acceptable to move by the ILB Supervisor and Safety, the item will be removed and, depending on the status, either placed in the ILB acceptable to move container or MDAS container.
- With everyone safely back inside the ILB, the ILB Supervisor will then activate the M10 stacker belt to transfer the BIP item into the BIP pan.
- Once the transfer has been made, the plant will be shut down at the direction of the ILB Supervisor. The ILB Supervisor and Safety will then go back outside to 100% confirm the successful transfer of the BIP item into the BIP pan.
- The ILB Supervisor and Safety will proceed back into the ILB and inform the Control Station that the BIP item was successfully transferred into the BIP pan. The Control Station must acknowledge this communication and document it in their log. Upon completion of this communication, the M10 stacker will be verified as clear and will be moved back into place over the MDAS container.
- This concludes the procedures to manage an unacceptable to move MEC item that enters the ILB.
- Normal plant operations can re-commence.

 NONCONFORMANCE AND CORRECTIVE ACTION REPORT					
Removal Action		Nonconforming Process			Report Number: HWMU-2020-001
MEC Site: FWDA Parcel 3 HWMU		Geo Survey <input type="checkbox"/>	Reacquisition <input type="checkbox"/>	Analog Removal <input type="checkbox"/>	Date: 16 October 2020
Grid:	TFU	MPPEH Inspection Process <input type="checkbox"/>	Target Anomaly Resolution <input type="checkbox"/>	Other <input checked="" type="checkbox"/> See Part 1 below	
PART I: UXOQCS					
Description of Nonconforming Condition: (1)					
<p>On 16 October 2020 a USACE OESS noticed a damaged TFU basket and brought it to the UXOQCS' attention.</p> <p>It was determined on the morning of 08 October 2020, an energetic release occurred in the TFU unit during MDAS flashing operations resulting in damage to a TFU basket (see photos attached below). This TFU event and basket damage was reported to the SUXOS, Jason Birchfield, by the TFU Operator after the damaged basket was taken out of the TFU on the same day. The SUXOS did not report this event to any other UXO site management, Project Manager, Corporate Munitions Response Safety and Quality Program Managers, or the USACE.</p>					
Apparent Quality Requirement not Complied With: (2)					
Proper reporting of events causing material damage.					
Signature (UXOQCS): 		Date: 16 October 2020		Corrective Action Due Date: 26 October 2020	
Copy Delivered to: SUXOS <input checked="" type="checkbox"/> PM <input checked="" type="checkbox"/> Geo Ops <input type="checkbox"/> MRP QCM <input checked="" type="checkbox"/> UXOQCS <input checked="" type="checkbox"/> MRP Safety Manager <input checked="" type="checkbox"/>					
Signature (SUXOS): 		Date: 17 October 2020		Signature (PM): 	Date: 17 October 2020
PART II: OPERATIONS (Responsible Process Manager)					
Corrective Action(s)		Resurvey <input type="checkbox"/>	Reacquisition <input type="checkbox"/>	Other <input checked="" type="checkbox"/> See below	
		Reprocess <input type="checkbox"/>	Re-clear <input type="checkbox"/>		
PROPOSED CORRECTIVE ACTIONS					
<ol style="list-style-type: none"> HWMU ILB inspection/management system <ol style="list-style-type: none"> A minimum of five (5) UXO technicians will be required to staff the ILB and comply with COVID-19 requirements. Remedial training will be documented (see attachment) and conducted for all ILB staff prior to recommencing ILB operations. TFU management system: <ol style="list-style-type: none"> Metallic MDAS located within the TFU footprint will be re-inspected prior to recommencing TFU processing operations. A site stand-down will be documented (see attachment) and conducted to provide remedial training on the importance and requirement for each employee to report any accident, incident, or material damage to project management. It will be discussed that it is the responsibility of each employee to report any accidents, incidents, or material damage to the SUXOS, UXOSO, and UXOQCS. It will also be discussed that it is the responsibility of the SUXOS, UXOSO, UXOQCS, and/or Site Supervisor to report any accidents, incidents, or material damage to USACE verbally and in writing on the applicable forms. The employee that neglected to report the event or damage has been removed from the site and may be terminated. <p>It is the highest priority for Operations to successfully deliver this project, understanding that safety and quality are our highest priorities in everything we do.</p>					
Root Cause Analysis (only for severity level 1): Severity Level 1					
<p>In accordance with AECOM's quality control (QC) program a Root Cause Analysis (RCA) to identify corrective actions (CAs) is required to complete a non-conformance report initiated by the QC program. The RCA and CAs must be submitted for verification by the UXOQCS prior to re-commencing normal operations.</p> <p>The thermal flashing unit (TFU) experienced an energetic event causing a basket to be damaged. The RCA includes a review of the following aspects of the production process:</p> <ol style="list-style-type: none"> Inner fence MPPEH inspection/management system HWMU inspection line building (ILB) MPPEH inspection/management system Plant infeed volume/conveyor belt travel speed TFU management system 					
ROOT CAUSE ANALYSIS					
The individual analysis of each of the described production processes above is presented below.					
<ol style="list-style-type: none"> Inner fence MPPEH inspection/management system: a thorough review of the existing MPPEH inspection procedures, staffing, and management determined that there were no causal factors that contributed to the energetic event that took place in the TFU. HWMU ILB inspection/management system: a thorough review of the existing MPPEH inspection procedures, staffing, and management determined that inadequate staffing may have been a contributing factor. 					



3. **Plant infeed volume/conveyor belt travel speed:** while the volume of metallic material has recently increased, it was determined that the ILB and Control staffing have effectively managed this increase through constant communication between ILB, Control staff, and SUXOS. The ILB staff is effectively communicating to Control when and how to control the belt speed to ensure the MPPEH inspection process can be properly and safely conducted.
4. **TFU management system:** the operation of the TFU was in compliance with SOPs. The failure to report the energetic event and damaged basket was unacceptable and intentional by the SUXOS.
Note: The MDAS within the TFU footprint is secured behind two locked security fences and the area is currently staffed 24 hours per day 6 days per week. However, due to the large volume, the MDAS awaiting flashing is stored on the ground and exposed, therefore the potential exists for a new item that has not been subjected to the MPPEH inspections process to be introduced into the existing metallic MDAS laying within the TFU footprint.

The nonconformity was classified using event and causal factors based on the Table below following the root cause analysis.



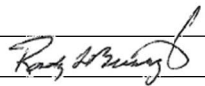
EVENT		CAUSAL FACTOR	
CODE	DESCRIPTION	CODE	DESCRIPTION
A	Noncompliance with standards, policies, procedures, or other administrative controls	1	Incorrect or inadequate procedures
B	Human error/inattention to detail	2	Insufficient, inadequate, or lack of training
C	Failure to meet contractual requirements	3	Inadequate supervision/management skills or practices
D	Errors in design		
E	Improper receipt/storage of material	4	Inadequate staffing/resources
		5	Inadequate job skills
F	Errors in construction or installation	6	Inadequate commitment
G	Other	7	Inadequate communication
		8	Inadequate organization/program interfaces
		9	Inadequate organization structure
		10	Inadequate work planning/schedule
		11	Inadequate work conditions
		12	Other

The event that occurred in the TFU to cause the basket damage is believed to be the result of an unintentional energetic release versus an unintentional detonation. This determination is based on the limited damage to a basket that has been subjected to years of heating and cooling and no structural damage to the TFU. If an unintentional detonation occurred in the TFU there would be damage to the walls and door, and the basket would have been much more severely damaged. The TFU functioned as designed thermally treating metal recovered from the HWMU. It is common to hear audible reports coming from the TFU during thermal treatment.

The results of the RCA identified the non-conformance event to be a non-compliance to follow site policies and procedures with respect to reporting the TFU event and property damage to project management and USACE. Additionally, that RCA identified that a reduction of the number of UXO technicians inside the ILB was implemented as a result of COVID-19 requirements. The causal factors contributing to this non-compliance were inadequate staffing, inadequate reporting procedures, the SUXOS demonstrated inadequate supervision/management practices, the SUXOS did not communicate with project management or USACE, and the SUXOS made his own decision to inform others when/if he determined it to be necessary.

Signature (SUXOS): 	Date: 21 October 2020	Signature (PM): 	Date: 21 October 2020
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PART III (Corrective Action Verification, SUXOS, PM, UXOQCS):

Corrective Action Completed Date: 24 October 2020	(5) Signature (SUXOS): 
	(5) Signature (PM): 
Corrective Action Verified Date: 24 October 2020	(5) Signature (UXOQCS): 

Closeout Comments UXOQCS:

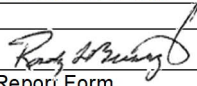
1. The re-inspection of the metallic MDAS began the morning of 24 October 2020. Prior to beginning the re-inspection process, all MDAS was consolidated into one pile and effectively removed the metal from the east bay to the metal located in the west bay. This would allow inspected MDAS to be placed into the west bay for loading into TFU baskets for flashing. UXOQCS attended the initial AHA/THA briefing for the re-inspection process. Emphasis was placed on safety, thorough inspection, equipment operation, and wind/dust hazards.

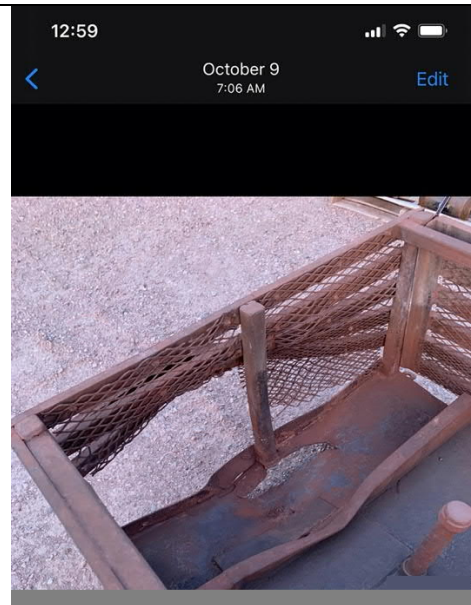
UXOQCS observed the re-inspection process throughout the day with no discrepancies noted. The inspection team worked well together striving to find the most efficient way to conduct the inspection. UXOSO and USACE OESS were on site and observed the re-inspection procedures and process.

A temporary and separate holding area for clean MDAS arriving from the plant was created to prevent any comingling with the affected MDAS. Due to the amount of metal requiring re-inspection, this process will be an on-going priority for Operations to complete. As such, this will also be a QC priority and the inspection process will be observed and documented in the DQCR for each day until complete.

2. Currently 25 personnel have received site-specific directions regarding the requirement to report accidents, incidents, and material damage to the UXOSO, UXOQCS, and SUXOS. These personnel have signed acknowledgement forms stating they received and understand the reporting policy and responsibility. UXOQCS verified the 25 acknowledgement forms signed to date with no discrepancies noted. Three (3) personnel are currently off site and will be briefed as they return to work.

UXOQCS recommends closure/approval to this NCR based on satisfactory efforts to place the corrective actions into effect.

<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	New NCR Number: N/A	Signature (UXOQCS): 
Note 1: When all actions have been completed a copy of this form shall be attached to the Grid Final QC Report Form		





The TFU pit viewed from the south looking north. The affected MD requiring re-inspection has been consolidated to the east side of the pit for re-inspection. The west-side of the pit will only be used for inspected MD (MDAS). Additionally, a non-magnetic fence/partition will be placed between the two bays to prevent co-mingling of metals.



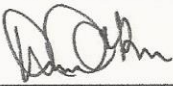

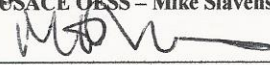

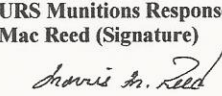
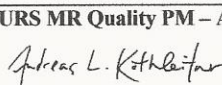
Re-inspection of affected metal in the TFU.



A temporary holding area for MDAS arriving from the plant. This will prevent comingling with the affected MDAS currently requiring re-inspection.



URS CORPORATION FIELD CHANGE REQUEST (FCR)

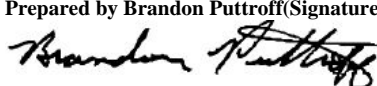

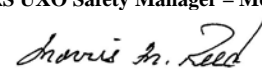


CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. 2013-001
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 04-10-13
1. DESCRIPTION: Revision of Paragraph 4.3.2 of the SSHP (Attachment 3 to the APP) Change current sentence wording from: "Each site vehicle will be equipped with at least one portable fire extinguisher rated 20 pound-BC." To the revised sentence wording: "Each site vehicle will be equipped with at least one portable fire extinguisher rated 5 pound-BC."		
2. REASON FOR CHANGE To be consistent with the requirements of EM 385-1-1 for site vehicles.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): Minor Change <input checked="" type="checkbox"/> Major Change (Impacts Cost, Schedule) <input type="checkbox"/>		
4. DISPOSITION: (Approval Required by USACE) <input type="checkbox"/> Not Approved (give reason). <input checked="" type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by: Fort Wingate URS UXOSO – Dan Kur (Signature) 	Date: 04-16-13	
USACE Project Manager – Eric Kirwan (Signature) 	Date: 4-17-13	
USACE OESS – Mike Slavens (Signature) 	Date: 4/17/13	
URS Project Manager - John Carson (Signature) 	Date: 4-17-2013	
URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) 	Date: 4-17-2013	
URS MR Quality PM – Andreas Kothleitner (Signature) 	Date: 4-17-2013	

URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. 2013-002
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 04/19/2013
1. DESCRIPTION (items involved, submit sketch, if applicable): Revise text in Section 3.5, Paragraph 2, Sentence 2: "The HWMU will be divided into 200-foot-by-200-foot 100-foot-by-100-foot grids. Figure 3-7 grid spacing changed from 200-foot-by-200 foot to 100-foot-by-100 foot.		
2. REASON FOR CHANGE The modification references the New Mexico Environmental Department (NMED) review comment dated August 16, 2012: In the revised Section 3.16.1, Confirmation Soil Sampling Method, the Permittee states, "The remainder of the site will be divided into grids approximately 150 feet by 150 feet and a composite sample will be collected from within each grid." The grid size for the remainder of the site must be no larger than 100 feet by 100 feet. This grid spacing will approximate a quarter acre and provide 4 composite samples per acre. Submit replacement pages for text and figures to correct this issue.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): Minor Change <input checked="" type="checkbox"/> Major Change (Impacts Cost, Schedule) <input type="checkbox"/>		
4. DISPOSITION: (Approval Required by USACE) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by: Fort Wingate URS Geo – Darrell Hall (Signature) 		Date: 04/19/2013
USACE Project Manager – Eric Kirwan (Signature) 		Date: 1 May 2013
URS Project Manager – John Carson (Signature) 		Date: 4/26/2013
URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) 		Date: 1 May 2013
URS MR Quality PM – Andreas Kothleitner (Signature) 		Date: 1 May 2013





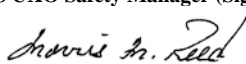
URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. 2013-003
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 06/3/2013
1. DESCRIPTION (items involved, submit sketch, if applicable): Change Section 3.10.3 (line 30, 5 th paragraph) to read, " Test coupons Thermocouples hooked to a data logger will be placed in the center of the initial loads to verify the optimal load weight and that the target load temperatures is are reached. Once it has been demonstrated that the target temperature is being reached, monthly operational tests performance verifications will be completed to verify performance, using thermocouples hooked to a data logger test coupons."		
Change Table 4-1, Thermal Treatment of MD to read, "Thermal Treatment Flashing of MDAS categorized as MD; following thermal treatment flashing of MD; Verify the monthly operational test results using colorimetric agents thermocouples with a data logger; Three phase control to include a final random sampling inspection of thermally flashed treated MD (UXOQCS); After batches of MD have been thermally flashed treated during the monthly operational test; Verify thermally treated flashed MD passes the colorimetric test has achieved target temperature of 650 degrees F for 10 minutes		
2. REASON FOR CHANGE: The use of a thermocouple in conjunction with a data logger will provide a project record of the time and temperature data for the flashing operations for the duration of the project.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <div style="text-align: center;"> <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule) </div>		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by Brandon Puttroff(Signature) 		Date: 6/4/2013
USACE Project Manager – Eric Kirwan (Signature) KIRWAN.STEPHEN.E.1048589649 <small>Digitally signed by KIRWAN.STEPHEN.E.1048589649 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=KIRWAN.STEPHEN.E.1048589649 Date: 2013.06.14 08:15:04 -04'00'</small>		Date: 6/14/13
URS Project Manager – John Carson(Signature) 		Date: 6/13/13
URS UXO Safety Manager – Morris Reed(Signature) 		Date: 6/13/2013
URS UXO Quality Manager – Andreas Kothleitner(Signature) 		Date: 6/13/2013
URS SUXOS – Bob Florence(Signature) 		Date: 6/13/2013
URS UXOQCS – Randy Burrington(Signature)		Date: 6/13/2013

<i>Randy L. Bennett</i>		
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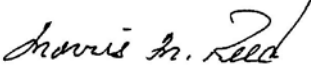



URS GROUP, INC. FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-0025	CTO # DM01	CHANGE REQUEST NO. 2013-004
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, NM	DATE: 10-10-13
RE: ___ Drawing # _____ Title: _____ ___ Specific Sections: _____ Title: _____ _x___ Other: Table 6-1 Emergency Information _____		
1. DESCRIPTION (items involved, submit sketch, if applicable): Revision to Table 6-1 Emergency Information: Change URS Regional Health and Safety Manager from: Dennis Day To: Tony Indorato Office: 757.321.1262 Cell: 757.298.1563		
2. REASON FOR CHANGE Personnel Change.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): ___X___ Minor Change ___ Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative) ___ Not Approved (give reason). ___X___ Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. ___ Considered major change – Client approval required via contract modification process		
Prepared by (Signature) Fort Wingate URS UXOSO-Daniel Kur 	Date: 10-10-13	
Client Project Manager KIRWAN.STEPHEN.E.1048589649 <small>Digitally signed by KIRWAN.STEPHEN.E.1048589649 DN: cn=US, o=US Government, ou=DoD, ou=PM, ou=USA, email=KIRWAN.STEPHEN.E.1048589649 Date: 2013.10.18 13:56:44 -0400</small>	Date: 18 October 2013	
URS Project Manager (Signature) 	Date: 10-18-13	
URS UXO Safety Manager (Signature) 	Date: 10-18-13	

URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. FWDA FCR 2013-005
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 23 October 2013
<p>1. DESCRIPTION: Revision of WP Section 3, Excavation Method, paragraph 3.7.2, lines 24-27.</p> <p>WP Section 3, paragraph 3.7.2, lines 24-27 currently states: "The armored operator station will be constructed in the bed of a heavy duty pick-up truck to allow the clearest line of sight and visibility to the excavator and the excavation face, as well as providing greater mobility during the course of the excavation activities."</p> <p>Change this Section to read: "If an unarmored mobile operator station is used to conduct the remote control excavation inside the HWMU, it must meet all of the following MSD requirements ;</p> <ol style="list-style-type: none"> 1. Be beyond the HFD of 450 feet from any armored rock truck transporting material (low input operation) based on the 155mm projectile from 2. Be beyond the MFD of 592 feet from the hammer-mill (high input operation) based on the BLU-3, and; 3. Be beyond the MFD of 592 feet from remote control excavation point (high input operation) on the BLU-3 		
<p>2. REASON FOR CHANGE: Addresses the required MSDs based on the approved DDESB ESS for the operation of an unarmored mobile operator station.</p>		
<p>3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):</p> <p>Minor Change <input checked="" type="checkbox"/> Major Change (Impacts Cost, Schedule) <input type="checkbox"/></p>		
<p>4. DISPOSITION: (Approval Required by USACE)</p> <p><input type="checkbox"/> Not Approved (give reason).</p> <p><input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records.</p> <p><input type="checkbox"/> Considered major change – Client approval required via contract modification process</p>		
<p>Prepared by: Fort Wingate URS UXOQCS – Randy Burrington (Signature) </p>		<p>Date: 23 October 2013</p>
<p>USACE Project Manager – Eric Kirwan (Signature) KIRWAN.STEPHEN.E .1048589649 <small>Digitally signed by KIRWAN.STEPHEN.E.1048589649 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=KIRWAN.STEPHEN.E.1048589649 Date: 2013.10.30 10:15:18 -04'00'</small></p>		<p>Date:</p>
<p>USACE OESS – Tim Bohannon (Signature) BOHANNON.TIMOTHY .PATRICK.1203953760 <small>Digitally signed by BOHANNON.TIMOTHY.PATRICK.1203953760 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=BOHANNON.TIMOTHY.PATRICK.1203953760 Date: 2013.10.30 08:10:09 -06'00'</small></p>		<p>Date:</p>
<p>URS Project Manager - John Carson (Signature) </p>		<p>Date: 28 October 2013</p>
<p>URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature)</p>		<p>Date: 28 October 2013</p>

	
<p>URS MR Quality PM – Andreas Kothleitner (Signature)</p> 	<p>Date: 28 October 2013</p>




URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. FWDA FCR 2013-006
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 23 October 2013
<p>1. DESCRIPTION: Revision of WP Section 3, Excavation Method, paragraph 3.7.2, lines 34-36.</p> <p>WP Section 3, paragraph 3.7.2, lines 34-36 currently states: "Excavation operations will generally be completed working from upstream to downstream (south to north) of the arroyo to prevent re-contamination of the areas where excavation work has been performed."</p> <p>Change this Section to read: "Excavation operations will be performed in a manner to prevent re-contamination of the areas where previous excavation work has been performed."</p>		
<p>2. REASON FOR CHANGE: Deletes requirement to work south-to-north and retains requirement to prevent re-contamination of worked areas.</p>		
<p>3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):</p> <p>Minor Change <input checked="" type="checkbox"/> Major Change (Impacts Cost, Schedule) <input type="checkbox"/></p>		
<p>4. DISPOSITION: (Approval Required by USACE)</p> <p><input type="checkbox"/> Not Approved (give reason).</p> <p><input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records.</p> <p><input type="checkbox"/> Considered major change – Client approval required via contract modification process</p>		
<p>Prepared by: Fort Wingate URS UXOQCS – Randy Burrington (Signature) </p>		<p>Date: 23 October 2013</p>
<p>USACE Project Manager – Eric Kirwan (Signature) KIRWAN.STEPHEN.E. Digitally signed by KIRWAN.STEPHEN.E.1048589649 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=KIRWAN.STEPHEN.E.1048589649 Date: 2013.10.30 10:16:36 -04'00'</p> <p>1048589649</p>		<p>Date:</p>
<p>USACE OESS – Tim Bohannon (Signature) BOHANNON.TIMOTHY. Digitally signed by BOHANNON.TIMOTHY.PATRICK.1203953760 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=BOHANNON.TIMOTHY.PATRICK.1203953760 Date: 2013.10.30 08:09:39 -06'00'</p> <p>PATRICK.1203953760</p>		<p>Date:</p>
<p>URS Project Manager - John Carson (Signature) </p>		<p>Date: 28 October 2013</p>
<p>URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) </p>		<p>Date: 28 October 2013</p>
<p>URS MR Quality PM – Andreas Kothleitner (Signature) </p>		<p>Date: 28 October 2013</p>



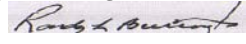

URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. FWDA FCR 2013-007
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 23 October 2013
<p>1. DESCRIPTION: Revision of WP Section 3, Initial Overhead Magnet and Inspection Line, paragraph 3.8.2, lines 33-36.</p> <p>WP Section 3, paragraph 3.8.2, lines 33-36 currently reads: "MEC items determined unacceptable to move by the inspection-line UXOSO and Supervisor will be diverted to the MEC detention area and fed onto a bed of sand by a separate transfer chute. This area is an ECO block structure configured to conduct BIP operations as described in Section 3.13."</p> <p>Change this Section to read: "MEC items determined unacceptable to move by the inspection-line UXOSO and Supervisor will be diverted to the MEC detention area and fed into a sand-filled tub or bin by a separate transfer chute. Prior to the MEC item being diverted, the inspection-line UXOSO shall ensure the eddy current equipment operator is positioned outside of the K24 or K18 (with proper hearing protection) overpressure distance. Using the onsite remote control or armored equipment the tub containing the MEC item will be moved away from the sifting plant equipment as appropriate to conduct MEC disposal operations within the HWMU."</p>		
<p>2. REASON FOR CHANGE: Ensures eddy current equipment operator safety and negates potential damage to screening plant equipment during MEC disposal operations of BIP items.</p>		
<p>3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):</p> <p>Minor Change <input checked="" type="checkbox"/> Major Change (Impacts Cost, Schedule) <input type="checkbox"/></p>		
<p>4. DISPOSITION: (Approval Required by USACE)</p> <p><input type="checkbox"/> Not Approved (give reason).</p> <p><input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records.</p> <p><input type="checkbox"/> Considered major change – Client approval required via contract modification process</p>		
<p>Prepared by: Fort Wingate URS UXOQCS – Randy Burrington (Signature) </p>		<p>Date: 23 October 2013</p>
<p>USACE Project Manager – Eric Kirwan (Signature) KIRWAN.STEPHEN.E.1048589649 <small>Digitally signed by KIRWAN.STEPHEN.E.1048589649 DN: c=US, o=US Government, ou=DoD, ou=PEL, ou=USA, ou=KIRWAN.STEPHEN.E.1048589649 Date: 2013.11.12 13:04:32 -0700</small></p>		<p>Date:</p>
<p>USACE OESS – Tim Bohannon (Signature) BOHANNON.TIMOTHY.PATRICK.120339 <small>Digitally signed by BOHANNON.TIMOTHY.PATRICK.120339 DN: c=US, o=US Government, ou=DoD, ou=PEL, ou=USA, ou=BOHANNON.TIMOTHY.PATRICK.120339 Date: 2013.11.07 12:36:18 -0700</small></p>		<p>Date:</p>
<p>URS Project Manager - John Carson (Signature) </p>		<p>Date: 30 October 2013</p>
<p>URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) </p>		<p>Date: 30 October 2013</p>

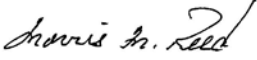
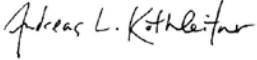
<p>URS MR Quality PM – Andreas Kothleitner (Signature)</p> 	<p>Date: 30 October 2013</p>
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URS CORPORATION FIELD CHANGE REQUEST (FCR)


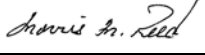
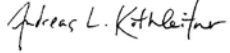
CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. FWDA FCR 2013-008
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 23 October 2013
<p>1. DESCRIPTION: Revision of WP Section 3, Eddy Current Non-Ferrous Metal Removal, paragraph 3.8.7, lines 29-34.</p> <p>WP Section 3, paragraph 3.8.7, lines 29-34 currently reads: "The entire contents of the non-ferrous waste collected from the eddy-current process will be transported to the CAMU and burned in accordance with the SOP No. 14 (Appendix I) and NMED Air Quality Bureau requirements. The material will undergo a post-burn inspection to verify the completeness of the disposal process. An MPPEH inspection will be completed on the post-burn residues as described in Section 3.11. Ash generated from the burn will be containerized for disposal in accordance with its waste profile."</p> <p>Change this Section to read: "The non-ferrous material collected at the eddy current separator will be subjected to the MPPEH inspection process as described in Section 3.11 of the WP Discovered MEC will either be transported to an ECM for storage or to the CAMU for disposal. The remaining non-ferrous material determined to be MDAS will be thermally flashed at the Thermal Flashing Unit as described in Section 3.10.3 and secured until transferred off site for final disposition.</p>		
<p>2. REASON FOR CHANGE: To implement an MPPEH inspection process for non-ferrous material collected at the eddy current separator. Also adds clarification how discovered MEC at the eddy current separator will be managed.</p>		
<p>3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):</p> <p>Minor Change <input checked="" type="checkbox"/> Major Change (Impacts Cost, Schedule) <input type="checkbox"/></p>		
<p>4. DISPOSITION: (Approval Required by USACE)</p> <p><input type="checkbox"/> Not Approved (give reason).</p> <p><input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records.</p> <p><input type="checkbox"/> Considered major change – Client approval required via contract modification process</p>		
<p>Prepared by: Fort Wingate URS UXOQCS – Randy Burrington (Signature) </p>		<p>Date: 25 October 2013</p>
<p>USACE Project Manager – Eric Kirwan (Signature) KIRWAN.STEPHEN.E.1 048589649</p> <p><small>Digitally signed by KIRWAN.STEPHEN.E.1048589649 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=KIRWAN.STEPHEN.E.1048589649 Date: 2013.10.30 10:17:19 -04'00'</small></p>		<p>Date:</p>
<p>USACE OESS – Tim Bohannon (Signature) BOHANNON.TIMOTHY.PATRICK.1203953760</p> <p><small>Digitally signed by BOHANNON.TIMOTHY.PATRICK.1203953760 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=BOHANNON.TIMOTHY.PATRICK.1203953760 Date: 2013.10.30 08:08:57 -06'00'</small></p>		<p>Date:</p>
<p>URS Project Manager - John Carson (Signature) </p>		<p>Date: 28 October 2013</p>



URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) 	Date: 28 October 2013
URS MR Quality PM – Andreas Kothleitner (Signature) 	Date: 28 October 2013

URS GROUP, INC. FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. 2014-001
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 04 Feb 2014
1. DESCRIPTION: Revision of WP Section 3, paragraph 3.9.1 Stockpile Sampling Method: WP Section 3, paragraph 3.9.1, lines 20-24 currently reads: "One composite sample will be collected from 10 subsample locations within each 250-cubic yard stockpile. Five subsample locations will be collected from the first 125 cubic yards of material deposited from the conveyor and five subsamples will be collected from the second 125 cubic yards deposited from the conveyor. The subsamples will be collected one to two feet below the surface of the stockpile." Change WP Section 3, paragraph 3.9.1, lines 20-24 to read: "One composite sample will be collected from 10 subsample locations from within each 250-cubic yard stockpile. The subsamples will be collected from various heights and depths throughout the stockpile to obtain a sample representative of the entire stockpile."		
2. REASON FOR CHANGE: Plant and excavation operations must stop during sample collection. Frequent cycles of plant stoppage and startup creates additional safety concerns with personnel exposed to moving parts, motors, belts etc. Additionally, further safety concerns arise when personnel are exposed when outside of protective shielding to collect samples. Collecting the samples from the stockpiles all at one time, at the end of the work day, will reduce the occurrence of safety issues associated with plant startup and exposure of personnel without shielding.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by USACE) <input type="checkbox"/> Not Approved (give reason). <input checked="" type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. Email from NMED is included below. Change will be documented in report. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by: Fort Wingate URS SUXOS – Randy Burrington (Signature)		Date: 4 Feb 2014
USACE Project Manager – Eric Kirwan (Signature)		Date:
USACE OESS – DJ Meyer (Signature)		Date:

URS Project Manager - John Carson (Signature) 	Date: 10 Feb 2014
URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) 	Date: 10 Feb 2014
URS MR Quality PM – Andreas Kothleitner (Signature) 	Date: 10 Feb 2014

Eric,

NMED's intent was not to create stoppages or delays in operations through this requirement. The intent of the requirement is to ensure that composite samples are representative of the entire 250 cubic yards of soils within the stockpile and does not indicate when the sampling should take place.

The requirement in the work plan intends to avoid the situation where a sampler might collect all 10 samples from near the surface of the stockpile because of ease of access and lessened time requirements. NMED's intent is to ensure that the samples are collected from various lateral and vertical locations throughout the stockpile. The stated "one to two feet below the surface" should be considered a minimum requirement considering the size of the stockpiles, i.e., sample depths of four to five feet below the surface may be required based on the stockpile geometry. The approach utilized to accomplish this requirement should be documented in the final report.


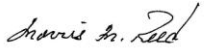
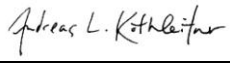
Please let me know if you need anything further.

Thank you,

Ben Wear
Environmental Scientist
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Dr. East, Bldg. 1
Santa Fe, NM 87505
(505) 476-6041

URS GROUP, INC. FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. 2014-002
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 07 Feb 2014
1. DESCRIPTION: Revision of WP Section 3, paragraph 3.8.3 Triple Deck Screen: WP Section 3, paragraph 3.8.3, lines 8-10 currently reads: "The top "reliever" screen will be a 3-inch square metal mesh designed to trap large material and protect the bottom screen." Change WP Section 3, paragraph 3.8.3, lines 8-10 to read: "The top "reliever" screen will be a combination 1 1/2-inch square metal mesh and custom fabricated punch plate screen with 11-inch by 15-inch openings designed to trap large or elongated material and protect the bottom screen." Revision of WP Section 3, paragraph 3.8.7 Eddy Current Non-Ferrous Metal Removal WP Section 3, paragraph 3.8.7, lines 22-24 currently reads: "The individual stockpiles from the radial stacker will be loaded into feeder hoppers that will transport the material to the eddy current non-ferrous metal separator." Change WP Section 3, paragraph 3.8.7, lines 22-24 to read: "The individual stockpiles from the radial stacker will be loaded into a soil shredder and then fed into feeder hoppers that will transport the material to the eddy current non-ferrous metal separator."		
2. REASON FOR CHANGE: To improve the efficiency of the screening plant and increase operating time. Incorporating the additional screen will remove long slender rocks from the process and reduce the likelihood of clogging the hammer mill. The soil shredder will break up soils with a high clay fraction that can clog the eddy current feed hopper, increasing operating time.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by USACE) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by: Fort Wingate URS SUXOS – Randy Burrington (Signature)		Date: 7 Feb 2014
USACE Project Manager – Eric Kirwan (Signature)		Date:

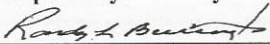
USACE OESS – DJ Myers (Signature)	Date:
URS Project Manager - John Carson (Signature) 	Date: 10 Feb 2014
URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) 	Date: 10 Feb 2014
URS MR Quality PM – Andreas Kothleitner (Signature) 	Date: 10 Feb 2014



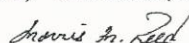
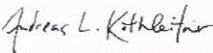
URS GROUP, INC. FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. 2014-003
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 010 Feb 2014
<p>1. DESCRIPTION: Revision of WP Section 3, paragraph 3.10.3 Flashing Process:</p> <p>WP Section 3, paragraph 3.10.3, lines 24-27 currently reads: “The furnace will be controlled with automatic thermostatic modulation for achieving the target load temperature. The cycle time will be approximately 1 hour, which provides for achieving the target temperature, a soak time of 10 minutes at 650° F, and cool down period. A data logger will record time of operation and operating temperature.”</p> <p>Change WP Section 3, paragraph 3.10.3, lines 24-27 to read: “The furnace will be controlled with automatic thermostatic modulation for achieving the target load temperature and operating time. Thermocouples mounted within each basket will read temperatures within the basket during each cycle. The modulation will initiate the furnace startup cycle, continue to operate the furnace until the temperature within the baskets have reached 650° F for 10 minutes and then initiate the cool down cycle. A data logger will record time of operation and temperature within the baskets for each cycle.</p> <p>WP Section 3, paragraph 3.10.3, lines 31-33 currently reads: “Test coupons will be placed in the initial loads to verify that target load temperature is reached. Once it has been demonstrated that target temperature is being reached, monthly performance verifications will be completed, using test coupons.”</p> <p>Delete WP Section 3, paragraph 3.10.3, lines 31-33.</p> <p>As a result of the above changes, Table 4-1, Definable Features of Work and QC Actions, Thermal Treatment of MD will be revised with the following:</p> <p>Under “Attribute” replace the current text with “Verify the cycle achieved required batch temperature and time”</p> <p>Under “QC Action” replace the current text with “Periodic review of TFU operating data (UXOQCS)”</p> <p>Under “Frequency” replace the current text with “Minimum of two times/month”</p> <p>Under “Acceptance Criteria” replace the current text with “Flashed batch reached required cycle temperature and time”</p>		
<p>2. REASON FOR CHANGE:</p> <p>To improve the quality control and efficiency of the TFU. The automatic thermostatic modulation will adjust the cycle time as necessary so the TFU reaches the target basket temperature for ten minutes. The modifications will electronically record data to document that every cycle of the TFU reaches the target basket temperature for ten minutes.</p>		
<p>3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):</p> <p><input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)</p>		

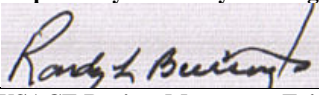
4. DISPOSITION: (Approval Required by USACE)	
<p>_____ Not Approved (give reason).</p> <p>_____ Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records.</p> <p>_____ Considered major change – Client approval required via contract modification process</p>	
Prepared by: – John Carson (Signature) 	Date: 10 Feb 2014
USACE Project Manager – Eric Kirwan (Signature)	Date:
USACE OESS – DJ Myers (Signature)	Date:
URS Project Manager - John Carson (Signature) 	Date: 10 Feb 2014
URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) 	Date: 10 Feb 2014
URS MR Quality PM – Andreas Kothleitner (Signature) 	Date: 10 Feb 2014


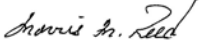

**URS GROUP, INC.
FIELD CHANGE REQUEST (FCR)**

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. 2014-004
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 20 Mar 2014
<p>1. DESCRIPTION: Revision of APP Section 12.25 Night Operations Lighting Plan:</p> <p>APP Section 12.25 currently reads: "Not Applicable."</p> <p>Revise APP Section 12.25 to read: "Night work is planned for the loading of stockpiled material into the Eddy Current plant. While night work is in progress, the stockpile, eddy current unit, conveyors and first aid station will be illuminated, in accordance with Table 7-1 of EM 385-1-1.</p> <p>No pedestrians will be in the night work loading area during the operation of the heavy equipment. The heavy equipment will have forward and rear lights. Heavy equipment operations will be monitored by the loader operator, UXOSO, and UXO Tech both visually and via remote control cameras.</p> <p>Workers will review and follow the attached Activity Hazard Analysis titled, Loading the Eddy Current Hopper During Night Hours and conduct a Daily Tailgate Safety Meeting."</p> <p>Revision of Attachment A of SSHP to include an Activity Hazard Analysis for Night Work – attached.</p> <p>Development of a Night Operations Lighting Plan – attached.</p>		
<p>2. REASON FOR CHANGE:</p> <p>The primary plant will process about 650 cy of material per day. The eddy current plant will process 400 cy of material per day. Operating a second shift will allow the eddy current plant to keep up with the primary plant and complete the work on schedule.</p>		
<p>3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):</p> <p><input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)</p>		
<p>4. DISPOSITION: (Approval Required by USACE)</p> <p><input type="checkbox"/> Not Approved (give reason).</p> <p><input checked="" type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records.</p> <p><input type="checkbox"/> Considered major change – Client approval required via contract modification process</p>		
<p>Prepared by: – Randy Burrington (Signature) </p>		<p>Date: 28 Mar 2014</p>
<p>USACE Project Manager – Eric Kirwan (Signature) <small>Digitally signed by KIRWANSTEPHEN.E.1048589649 DN: c=US, o=U.S. Government, ou=DoD, ou=PKL, ou=USA, cn=KIRWANSTEPHEN.E.1048589649 Date: 2014.04.04 15:35:21 -0400</small></p>		<p>Date:</p>

USACE OESS – DJ Myers (Signature) MYERS.DENNIS.J.1010877330 <small>Digitally signed by MYERS.DENNIS.J.1010877330 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=MYERS.DENNIS.J.1010877330 Date: 2014.04.04 13:24:42 -0500</small>	Date:
URS Project Manager - John Carson (Signature) 	Date: 28 Mar 2014
URS Biologist – Jean Paul Charpentier (Signature) 	Date: 1 Apr 2014
URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) 	Date: 28 Mar 2014
URS MR Quality PM – Andreas Kothleitner (Signature) 	Date: 28 Mar 2014



URS GROUP, INC. FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. 2014-005
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 27 Mar 2014
1. DESCRIPTION: Revision of SWPPP Section 4.2 Structural Practices: SWPPP Section 4.2, 6 th Bullet currently reads: "Covering each stockpile until it is characterized." Revise SWPPP Section 4.2, delete 6th Bullet. Revision of WP Section 6.2, Mitigation Procedures: WP Section 6.2, Mitigation Procedures 17 th bullet (page 6-9, line 10) currently reads: "Non-hazardous stockpiled soils will be covered and hazardous soils will be placed on liner and covered or placed in a lined roll-off until disposal." Revise WP Section 6.2, Mitigation Procedures 17th bullet (page 6-9, line 10) to read: "Hazardous soils will be placed on a liner and covered or placed in a lined roll-off until disposal."		
2. REASON FOR CHANGE: The existing language may imply to some readers that stockpiles must be covered. The intent of the section is to provide optional structural practices that may be implemented should existing protective measures not provide the needed protection. The language is revised to reflect the intent.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by USACE) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by: – Randy Burrington (Signature) 		Date: 27 Mar 2014
USACE Project Manager – Eric Kirwan (Signature)		Date:
USACE SWPPP Representative – Mike Scoville (Signature)		Date: 27 Mar 2014

URS Project Manager - John Carson (Signature) 	Date: 27 Mar 2014
URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) 	Date: 27 Mar 2014
URS MR Quality PM – Andreas Kothleitner (Signature) 	Date: 27 Mar 2014



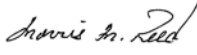

URS GROUP, INC. FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. 2014-007
TO: John Carson, URS Project Manager	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 15 Apr 2014
1. DESCRIPTION: Revision of Work Plan Section 3.10.2 Staging and Segregation of MD: WP Section 13.10.2 currently reads: "MD generated from the screening process, that has been certified as MDAS as described in Section 3.11, will be flashed. MD awaiting flashing will be kept..." Revise WP Section 13.10.2 to read: "MD generated from the screening process, that has been certified as MDAS as described in Section 3.11, will be flashed. MD recovered from the polishing magnet is small, dense material and will not be flashed. The MD recovered from the polishing magnet will undergo the MPPEH inspection process as described in Section 3.11, containerized separately from other MD, and sent offsite to a smelter for destruction." Attached letter describes the process for documentation and custody for transport and destruction of the MD recovered the polishing magnet.		
2. REASON FOR CHANGE: The material from the polishing magnet is very small, dense, and not conducive to flashing. The language provides flexibility in handling this material while meeting project objectives.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by USACE) <input type="checkbox"/> Not Approved (give reason). <input checked="" type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by: – Randy Burrington (Signature) 		Date: 15 Apr 2014
USACE Project Manager – Eric Kirwan (Signature)		Date:
USACE OESS – Dennis (DJ) Myers (Signature)		Date:
URS Project Manager - John Carson (Signature) 		Date: 15 Apr 2014


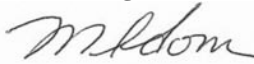

URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) 	Date: 15 Apr 2014
URS MR Quality PM – Andreas Kothleitner (Signature) 	Date: 15 Apr 2014

URS GROUP, INC. FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: W912QR-04-D-0025	CTO # DM01	CHANGE REQUEST NO. 2014-008
TO: URS Project Team	LOCATION: Fort Wingate Depot Activity, McKinley County, New Mexico	DATE: 03 June 2014
<p>1. DESCRIPTION: Revision of Night Operations Lighting Plan Technical Memorandum Section 3.0 Lighting. The first paragraph of the section states:</p> <p>“Portable light towers may be utilized throughout the work area to meet or exceed the lighting requirements for the above identified areas. Portable light towers will be placed within the work areas in position so as to provide the required lighting for each area. The towers and their placement will be tested by operating all lighting towers during a period of low or no light. A portable light meter will be utilized to verify that the requisite lighting is being achieved in each area. If the lighting in any area is insufficient then the light towers will be readjusted or moved and each area will be retested. If necessary, light towers will be added. Each area will be retested monthly to verify and document that the required lighting is being met.”</p> <p>Revise Night Operations Lighting Plan Technical Memorandum first paragraph to read:</p> <p>“Portable light towers, permanent lighting, or a combination thereof will be used throughout the work area to meet or exceed the lighting requirements for the above identified areas. Portable or pole-mounted lighting will be placed within the work areas in position so as to provide the required lighting for each area. A portable light meter will be utilized to verify that the requisite lighting is being achieved in area. If the lighting is insufficient then then the lights will readjusted or moved and the area will be retested. If necessary, additional lights will be installed. The areas will be retested monthly to verify and document that the required lighting is being met.”</p>		
<p>2. REASON FOR CHANGE: Changing portable lighting to permanent pole-mounted lighting, but maintain flexibility of using portable lighting if necessary.</p>		
<p>3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):</p> <p><input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)</p>		
<p>4. DISPOSITION: (Approval Required by USACE)</p> <p><input type="checkbox"/> Not Approved (give reason).</p> <p><input checked="" type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records.</p> <p><input type="checkbox"/> Considered major change – Client approval required via contract modification process</p>		
Prepared by: – John Carson (Signature) 		Date: 3 June 2014
USACE Project Manager – Eric Kirwan (Signature)		Date:

USACE OESS – DJ Myers (Signature)	Date:
URS Project Manager - John Carson (Signature) 	Date: 3 June 2014
URS Senior Unexploded Ordnance Supervisor – Randy Burrington (Signature) 	Date: 3 June 2014
URS Munitions Response Safety Program Manager (URS MR SPM) – Mac Reed (Signature) 	Date: 3 June 2014
URS MR Quality PM – Andreas Kothleitner (Signature) 	Date: 3 June 2014

AECOM FIELD CHANGE REQUEST (FCR)

CONTRACT: W912BV-16-C-0033	DELIVERY ORDER NAME: FWDA Parcel 3 Closure & Corrective Action	CHANGE REQUEST NO. HWMU-2017-001
DELIVERY ORDER: NA	LOCATION: Fort Wingate Depot Activity New Mexico	DATE: 6/27/2017
1. DESCRIPTION (items involved, submit sketch, if applicable): Revised figure and text to describe the HWMU processing plant layout and equipment. See attached plant layout schematic and supporting text describing the plant processes.		
2. REASON FOR CHANGE To document the plant layout and process schematic.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input checked="" type="checkbox"/> Considered minor change – APPROVED – Documents will not be formally revised. <input type="checkbox"/> Considered major change – Client approval required via contract modification process.		
Prepared by (Signature) 	Date: 26 June 2017	
SUXOS (Signature) 	Date: 26 June 2017	
AECOM Project Manager (Signature) 	Date: 26 June 2017	
USACE OESS (Signature)	Date: 27 June 2017	
USACE Project Manager (Signature)	Date:	
USACE COR (Signature)	Date:	
USACE COR (Signature)	Date:	

Point of excavation. Soils are excavated utilizing remote controlled heavy equipment. Excavated materials are fed onto a grizzly feeder with 6-inch bar spacing, allowing only material smaller than 6-inches to be fed to the processing plant. The material exiting the grizzly feeder is transferred to the processing plant via a series of overland conveyors. The conveyors can be moved and conveyors can be added or removed as the excavation location changes.

The oversize material larger than 6-inches that does not pass through the grizzly feeder will be stockpiled near the excavation area. Periodically the oversize material will be inspected for MEC by qualified UXO technicians and then run through a jaw crusher to reduce the oversize material to less than 6-inches. Once the material has been reduced in size, it will be fed into the grizzly feeder as part of the routine excavation process.

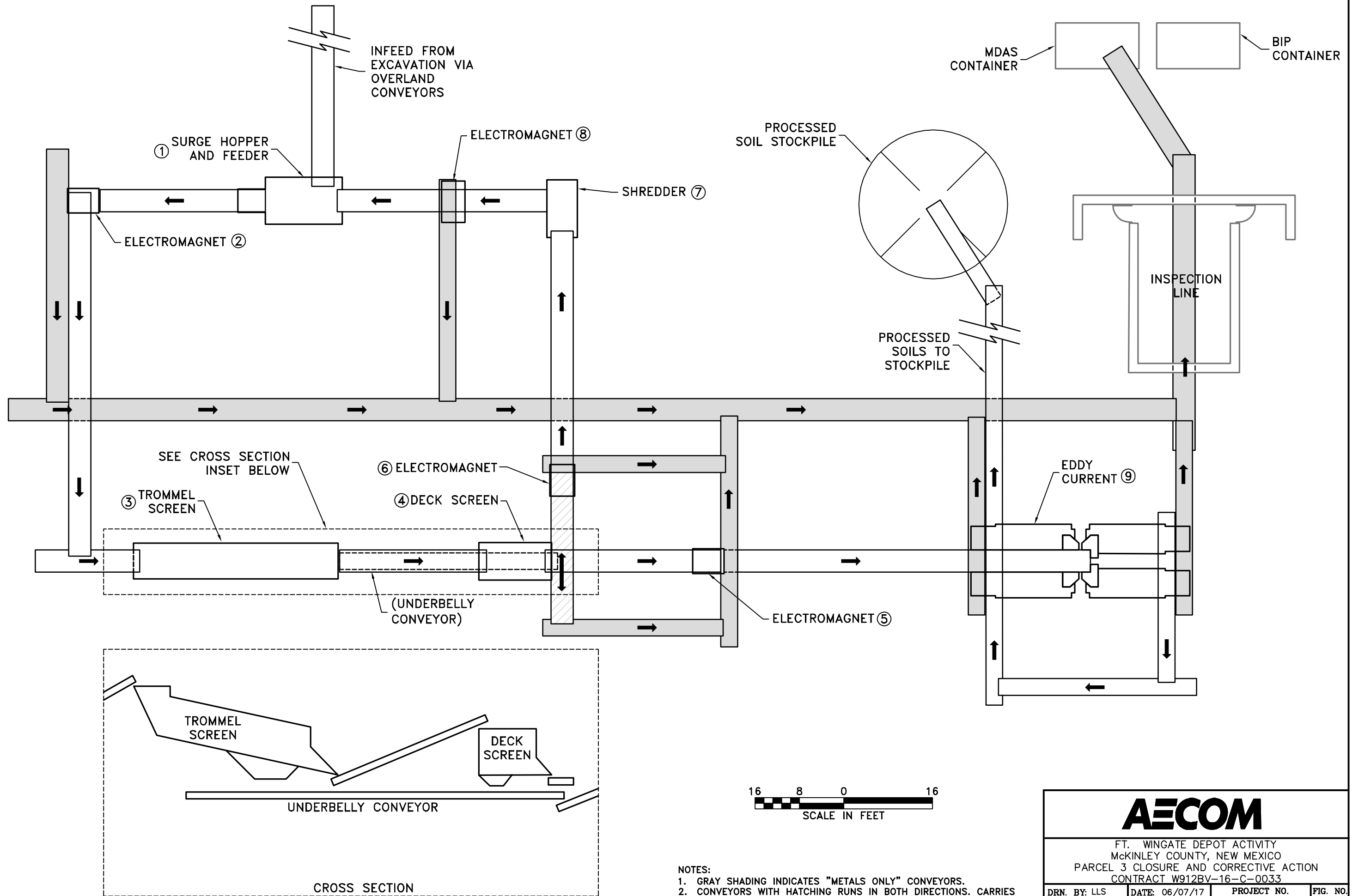
- (1) Surge hopper and feeder:** Infeed from the excavation is deposited into the surge hopper and feeder. The surge hopper allows the feed rate to the plant to be metered. Material is fed onto a conveyor toward an electromagnet (2).
- (2) Electromagnet:** Material passes beneath an electromagnet. Ferrous items are removed and deposited onto a “metals only” conveyor (shaded in gray on the attached figure) and transported to the Inspection Line to undergo MPPEH inspection. Remaining material is deposited onto a conveyor to the trommel screen (3).
- (3) Trommel Screen:** Screens material to 5/8-inch. Material > 5/8-inch is deposited onto a conveyor to the deck screen (4). Material < 5/8-inch falls through the screen and is deposited onto an underbelly conveyor to the polishing electromagnet (5).
- (4) Deck Screen:** Screens material to 5/8-inch. Material < 5/8-inch falls through the screen and is deposited onto an underbelly conveyor to the polishing electromagnet (5). Material > 5/8-inch is deposited onto a conveyor to an electromagnet (6).
- (5) Polishing electromagnet:** Material < 5/8-inch from the trommel and deck screens is passed beneath the polishing electromagnet. Ferrous items are removed and deposited onto a “metals only” conveyor and transported to the Inspection Line to undergo MPPEH inspection. Remaining material is deposited onto a conveyor to the eddy currents (9).
- (6) Electromagnet:** Material passes beneath an electromagnet. Ferrous items are removed and deposited onto a “metals only” conveyor and transported to the Inspection Line to undergo MPPEH inspection. Remaining material is deposited onto a conveyor to the shredder (7).
- (7) Shredder:** The shredder reduces the material in size so that it can ultimately pass through the trommel/deck screens. Material is crushed and deposited onto a conveyor to an electromagnet (8).
- (8) Electromagnet:** Material passes beneath an electromagnet. Ferrous items are removed and deposited onto a “metals only” conveyor and transported to the Inspection Line to undergo MPPEH inspection. Remaining material is deposited onto a conveyor to the surge hopper and feeder (1).
- (9) Eddy currents:** Material is fed through eddy currents. Non-ferrous metal items are removed deposited onto a “metals only” conveyor and transported to the Inspection Line to undergo MPPEH inspection. Remaining material is deposited onto a conveyor to stockpile area for later sampling.

Inspection Line: All metals removed from the soils are transported to the inspection line to undergo the MPPEH inspection process by qualified UXO technicians. Identified MEC that is considered unacceptable

to move is deposited into a BIP container for destruction. Identified MEC that is considered acceptable to move is transported to the ECMs for storage until destruction at a later date. All other metal is MDAS and is deposited into the MDAS container and transported to the TFU for flashing and recycling.

Processed oils Stockpile: All soils processed are transferred to the stockpile area via radial stacker. The soils will be separated into 250 cubic yard stockpiles for sampling and analytical testing.

Drawing: T:\fort_wingate\60517380\Figure1.dwg June 26, 2017 11:06:43 a.m.

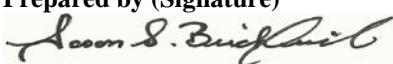


- NOTES:
1. GRAY SHADING INDICATES "METALS ONLY" CONVEYORS.
 2. CONVEYORS WITH HATCHING RUNS IN BOTH DIRECTIONS. CARRIES SOIL IN NORMAL DIRECTION AND NON FERRIS WHEN IN REVERSE.


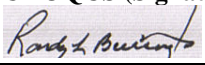

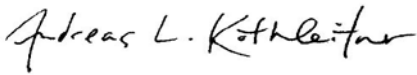
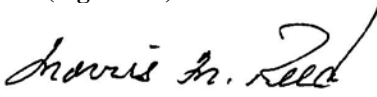
AECOM			
FT. WINGATE DEPOT ACTIVITY McKINLEY COUNTY, NEW MEXICO PARCEL 3 CLOSURE AND CORRECTIVE ACTION CONTRACT W912BV-16-C-0033			
DRN. BY: LLS	DATE: 06/07/17	PROJECT NO. 60517380	FIG. NO. 1
CHK'D. BY: JC	REVISION: 0		

AECOM

FIELD CHANGE REQUEST (FCR)

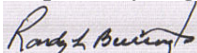
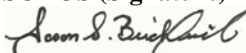
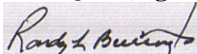

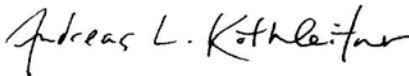
CONTRACT: W912BV-16-C-0033	DELIVERY ORDER NAME: FWDA Parcel 3 Closure & Corrective Action	CHANGE REQUEST NO. HWMU-2017-002
DELIVERY ORDER: NA	LOCATION: Fort Wingate Depot Activity New Mexico	DATE: 25 July 2017
1. DESCRIPTION (items involved, submit sketch, if applicable):		
<p>The Approved Final, Revision 1 HWMU Work Plan, Parcel 3, Section 3.4 Pre-Excavation Digital Geophysics Mapping currently reads:</p> <p>“A pre-excavation DGM will be completed in areas adjacent to the HWMU boundary to aid in determining areas that are “HWMU-like”, i.e., areas that contain sufficient number of anomalies such that excavation and processing the material through the processing plant would be more efficient than manual excavation. “HWMU-like areas will be discussed and verified with the onsite OESS prior to excavation. It is important to note that this DGM effort is not intended as a final record for closure of Parcel 3 or to revise the HWMU boundary identified by the Permit. Rather, this effort is being done strictly to help in assessing the type of procedures to be used during the removal action and to obtain approval from the USACE Contracting Officer to implement contract options. The methods and procedures described in Sections 3.15 and 3.16 will be followed for DGM work.”</p> <p>Change “will” to “may” in the first sentence of this section. The new sentence will read as follows: “A pre-excavation DGM may be completed in areas adjacent to the HWMU boundary to aid in determining areas that are “HWMU-like.”</p> <p>Additionally, change the fourth sentence in this section from: “Rather, this effort is being done strictly to help in assessing the type of procedures to be used...” to “Rather, this effort may be done to help in assessing the type of procedures to be used...”</p>		
2. REASON FOR CHANGE:		
<p>As discussed with onsite OESSs on 22 June 2017, this change will allow contractor UXO Site Managers and onsite OESSs to utilize all available site information and equipment, which may or may not include DGM, to make “HWMU-like” decisions. Implementing DGM may not be a useful tool to assist in making the “HWMU-like” decision based on site conditions. For example, there are known areas surrounding the HWMU that have not had a surface removal action completed on them, in these areas the DGM would not be an accurate tool to determine “HWMU-like” conditions.</p>		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):		
<input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative)		
<input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED – Documents will not be formally revised. <input type="checkbox"/> Considered major change – Client approval required via contract modification process.		
Prepared by (Signature) 	Date: 25 July 2017	

AECOM
FIELD CHANGE REQUEST (FCR)

SUXOS (Signature) 	Date: 25 July 2017
UXOQCS (Signature) 	Date: 25 July 2017
AECOM Project Manager (Signature) 	Date: 27 July 2017
MRQPM (Signature) 	Date: 25 July 2017
MRSPM (Signature) 	Date: 27 July 2017
USACE OESS (Signature)	Date:
USACE Project Manager (Signature)	Date:

AECOM

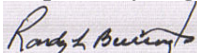
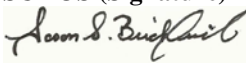
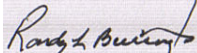


FIELD CHANGE REQUEST (FCR)

CONTRACT: W912BV-16-C-0033	DELIVERY ORDER NAME: FWDA Parcel 3 Closure & Corrective Action	CHANGE REQUEST NO. HWMU-2017-003
DELIVERY ORDER: NA	LOCATION: Fort Wingate Depot Activity New Mexico	DATE: 9 Aug 2017
1. DESCRIPTION (items involved, submit sketch, if applicable): HWMU Removal Work Plan, Approved Final, Revision 1, Section 3.8.2 Excavation Methods currently reads: “The RC dozer and excavator operators will be located inside a shielded operating station at a location that is in compliance with the minimum separation distances listed in Table 3 of the approved ESS. The requisite shielding is identified within the fragment calculation sheets located in Appendix B of the DDESB-approved ESS. Cameras will allow the operators to observe the excavation process on video monitors inside the operating station. Trimble GPS units will be utilized on the equipment for positional monitoring.” Delete following sentence from this section: “Trimble GPS units will be utilized on the equipment for positional monitoring.”		
2. REASON FOR CHANGE: Three Pan/Tilt/Zoom (PTZ) cameras will be located in optimal locations for the equipment operators to observe the physical positioning of all remote excavators and loaders working in the affected excavation.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED – Documents will not be formally revised. <input type="checkbox"/> Considered major change – Client approval required via contract modification process.		
Prepared by (Signature) 	Date: 9 Aug 2017	
SUXOS (Signature) 	Date: 9 Aug 2017	
UXOQCS (Signature) 	Date: 9 Aug 2017	
AECOM Project Manager (Signature) 	Date: 9 Aug 2017	
MRQPM (Signature) 	Date: 9 Aug 2017	

AECOM
FIELD CHANGE REQUEST (FCR)

MRSPM (Signature) 	Date: 9 Aug 2017
USACE OESS (Signature)	Date:
USACE Project Manager (Signature)	Date:

AECOM FIELD CHANGE REQUEST (FCR)

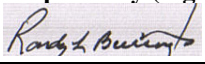
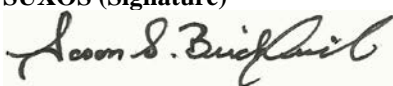
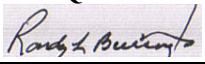

CONTRACT: W912BV-16-C-0033	DELIVERY ORDER NAME: FWDA Parcel 3 Closure & Corrective Action	CHANGE REQUEST NO. HWMU-2017-004, Revised
DELIVERY ORDER: NA	LOCATION: Fort Wingate Depot Activity New Mexico	DATE: 10 Aug 2017
1. DESCRIPTION (items involved, submit sketch, if applicable):		
<p>HWMU Removal Work Plan, Approved Final, Revision 1, Section 3.9.1 Initial Ferrous Metal Removal and MPPEH Inspection currently reads:</p> <p>“The ILB will be shielded, equipped with an emergency stop and observation cameras, and staffed with a SUXOS-qualified Tech III, a UXOSO-qualified Tech III, two UXO Tech IIIs, and two UXO Tech IIs. The requisite shielding to prevent perforation for an unintentional detonation of a 2000 lb AN-M66A2 bomb will be provided. The ILB will never...”</p> <p>Change the first sentence from this section to: “The ILB will be shielded, equipped with an emergency stop and observation cameras, and staffed with a minimum of one SUXOS-qualified Tech III, one UXOSO-qualified Tech III, one UXO Tech III, and one UXO Tech II.”</p>		
2. REASON FOR CHANGE:		
Allows site management flexibility to staff the ILB properly to conduct the MMPEH inspection process effectively.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):		
<input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative)		
<input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED – Documents will not be formally revised. <input type="checkbox"/> Considered major change – Client approval required via contract modification process.		
Prepared by (Signature) 	Date: 10 Aug 2017	
SUXOS (Signature) 	Date: 10 Aug 2017	
UXOQCS (Signature) 	Date: 11 Aug 2017	
AECOM Project Manager (Signature) 	Date: 11 Aug 2017	
MRQPM (Signature) 	Date: 11 Aug 2017	

AECOM
FIELD CHANGE REQUEST (FCR)

MRSPM (Signature) 	Date: 11 Aug 2017
USACE OESS (Signature)	Date:
USACE Project Manager (Signature)	Date:

AECOM

FIELD CHANGE REQUEST (FCR)





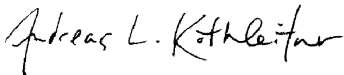
CONTRACT: W912BV-16-C-0033	DELIVERY ORDER NAME: FWDA Parcel 3 Closure & Corrective Action	CHANGE REQUEST NO. HWMU 2017-005
DELIVERY ORDER: NA	LOCATION: Fort Wingate Depot Activity New Mexico	DATE: 06 October 2017
1. DESCRIPTION (items involved, submit sketch, if applicable): <p>FWDA Parcel 3 WP Section 3.5.6 Processing Plant Setup currently reads: The processing plant will be set up on the existing plant pad located in the southern portion of the HWMU (Figure 3-2). The existing pad is relatively flat and appropriately sized to accommodate the plant and provide space for stockpile management. Additional crushed rock will be imported and graded as necessary to support construction of the plant. As part of the plant setup, pole mounted lighting will be installed throughout the plant area to allow for nighttime operation, if required.</p> <p>Change the following sentence from this section: "As part of the plant setup, pole mounted lighting will be installed throughout the plant area to allow for nighttime operation, if required."</p> <p>Revised sentence: Adequate lighting will be installed or located within the plant area to allow for nighttime operation. Lighting will be in accordance with EM-385-1-1 (Section 7 and Table 7-1) and the Night Operations Lighting Plan.</p>		
2. REASON FOR CHANGE: Allows flexibility to use portable light plants in combination with pole-mounted lighting if required based on work areas.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED – Documents will not be formally revised. <input type="checkbox"/> Considered major change – Client approval required via contract modification process.		
Prepared by (Signature)  UXOQCS		Date: 06 October 2017
SUXOS (Signature) 		Date: 09 October 2017
UXOQCS/UXOSO (Signature) 		Date: 06 October 2017
AECOM Project Manager (Signature) 		Date: 11 October 2017

AECOM
FIELD CHANGE REQUEST (FCR)

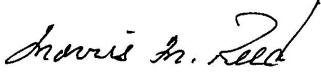
MRQPM (Signature) 	Date: 11 October 2017
MRSPM (Signature) 	Date: 11 October 2017
USACE OESS (Signature)	Date:
USACE Project Manager (Signature)	Date:

AECOM

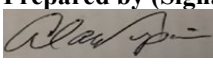
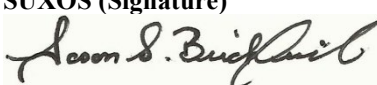
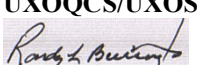

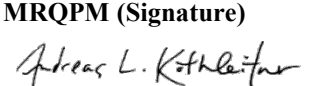
FIELD CHANGE REQUEST (FCR)

CONTRACT: W912BV-16-C-0033	DELIVERY ORDER NAME: FWDA Parcel 3 Closure & Corrective Action	CHANGE REQUEST NO. HWMU 2017-006, Revised
DELIVERY ORDER: NA	LOCATION: Fort Wingate Depot Activity New Mexico	DATE: 13 December 2017
1. DESCRIPTION (items involved, submit sketch, if applicable): WP Section 3.11 page 3-14, MPPEH Inspection Process, currently states: “Prior to public release, the SUXOS will certify and the USACE OESS will verify that the debris is free of explosive hazards. This process will be documented on DD Form 1348-1 as follows: “This certifies and verifies that the material documented as safe (MDAS) listed has been 100- percent properly inspected and, to the best of our knowledge and belief, is free of explosive hazards.” Change the first sentence to read: “Prior to public release, the Site Manager or SUXOS will certify that the debris is free of explosive hazards and the USACE OESS or UXOQCS will verify the MPPEH inspection process.”		
2. REASON FOR CHANGE: The revision to the sentence is written in accordance with EM 385-1-97 which permits the UXOQCS to also verify the MPPEH inspection process on DD Form 1348-1.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED – Documents will not be formally revised. <input type="checkbox"/> Considered major change – Client approval required via contract modification process.		
Prepared by (Signature) 		Date: 13 December 2017
SUXOS (Signature) 		Date: 13 December 2017
UXOQCS/UXOSO (Signature) 		Date: 13 December 2017
AECOM Project Manager (Signature) 		Date: 13 December 2017
MRQPM (Signature) 		Date: 13 December 2017

AECOM
FIELD CHANGE REQUEST (FCR)

MRSPM (Signature) 	Date: 13 December 2017
USACE OESS (Signature)	Date: 12 January 2018
USACE Project Manager (Signature)	Date:

AECOM FIELD CHANGE REQUEST (FCR)

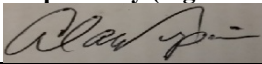

CONTRACT: W912BV-16-C-0033	DELIVERY ORDER NAME: FWDA Parcel 3 Closure & Corrective Action	CHANGE REQUEST NO. HWMU-2019-001
DELIVERY ORDER: NA	LOCATION: Fort Wingate Depot Activity New Mexico	DATE: 12 August 2019
1. DESCRIPTION (items involved, submit sketch, if applicable): WP Section 3.13, MDAS Flashing, page 3-15, currently reads: “All MDAS that is generated during the separation process will be flashed. The flashing will utilize a convective heating process to decontaminate the debris of potential explosive residues.” Change to include the following <u>additions</u> : “MDAS that is generated during the separation process will be flashed. The flashing will utilize a convective heating process to decontaminate the debris of potential explosive residues. <u>The exception to this is discovered jet/rocket-assisted take-off (JATO/RATO) bottles. JATO/RATO bottles will be transported to the CAMU and be subjected to an open burn in accordance with CAMU open burning procedures and requirements. JATO/RATO bottles that appear to have retained their integrity and are potentially energetic will be safely vented prior to being subjected to open burning at the CAMU.</u> ”		
2. REASON FOR CHANGE The revision to the sentence will allow the JATO/RATO bottles to be opened burned at the CAMU instead of thermally treated at the Thermal Flash Unit (TFU). Because of the large size of these items open burning at the CAMU is a more safe, effective, and efficient process. The temperatures achieved during CAMU open burning operations are commensurate with, or exceed, temperatures achieved during the TFU flashing process.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED – Documents will not be formally revised. <input type="checkbox"/> Considered major change – Client approval required via contract modification process.		
Prepared by (Signature) 		Date: 12 August 2019
SUXOS (Signature) 		Date: 15 August 2019
UXOQCS/UXOSO (Signature) 		Date: 14 August 2019
AECOM Project Manager (Signature) 		Date: 15 August 2019
MRQPM (Signature) 		Date: 14 August 2019

AECOM
FIELD CHANGE REQUEST (FCR)

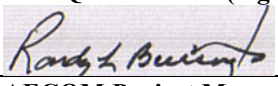

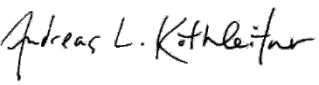
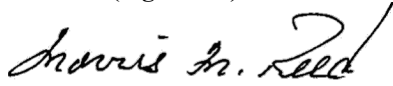
MRSPM (Signature) 	Date: 16 August 2019
USACE OESS (Signature)	Date: 16 August 2019
USACE Project Manager (Signature)	Date:

AECOM

FIELD CHANGE REQUEST (FCR)



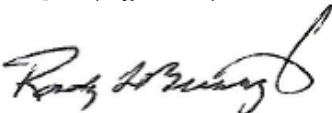
CONTRACT: W912BV-16-C-0033	DELIVERY ORDER NAME: FWDA Parcel 3 Closure & Corrective Action	CHANGE REQUEST NO. HWMU-2019-002
DELIVERY ORDER: NA	LOCATION: Fort Wingate Depot Activity New Mexico	DATE: 16 August 2019
<p>1. DESCRIPTION (items involved, submit sketch, if applicable): SOP No. 7, Page 7-7, Section 7.4, Electric Demolition SOP states: “Electric demolition operations will be conducted in accordance with the standard practices and procedures outlined in TM A-1-1-31 (U.S. ARMY, 2014).”</p> <p>Change sentence to read: <u>“<i>Electric... conducted in accordance with the DDESB-approved explosives safety submission, USACE EM 385-1-97, and Corporate SOPs.</i>”</u></p> <p>SOP No. 7, Page 7-11, Section 7.4.5, Electric Demolition Misfires states: “6. Wait one hour. Allow a minimum of 60 minutes to pass after the final attempt to fire the charge before starting to investigate, then take corrective action.”</p> <p>Change sentence to read: <u>“<i>6. Wait 30 minutes. Wait a minimum of 30 minutes to pass after the final attempt...</i>”</u></p> <p>SOP No. 7, Page 7-16, Section 7.5.5, Remote Firing Device Misfire Procedures states:</p> <p>“3. Wait 1 hour. Allow a minimum of 1 hour to pass before starting to investigate.”</p> <p>Change sentence to read: <u>“<i>3. Wait 30 minutes. Wait a minimum of 30 minutes to pass after the final attempt...</i>”</u></p> <p>“4. Check all connections. After 1 hour, ...”</p> <p>Change sentence to read: <u>“<i>4. Check all connections. After 30 minutes proceed downrange and check all connections.</i>”</u></p>		
<p>2. REASON FOR CHANGE</p> <p>Wait times have been revised to be in accordance with industry standards. This increases the efficiency of the misfire procedure but does not reduce the safety aspect of the MEC disposal operation. The reference to TM A-1-1-31 has been removed as Contractors do not receive notice of updates/revisions to this publication as it is not a DoD Military Munitions Response Program (MMRP) guidance document. In accordance with USACE CX directives, MEC disposal operations are to be conducted in compliance with the DDESB-approved ESS, EM 385-1-97 and Contractor SOPs.</p>		
<p>3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):</p> <p><input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)</p>		
<p>4. DISPOSITION: (Approval Required by Client Representative)</p> <p><input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED – Documents will not be formally revised. <input type="checkbox"/> Considered major change – Client approval required via contract modification process.</p>		
<p>Prepared by (Signature) </p>		<p>Date: 16 August 2019</p>
<p>SUXOS (Signature) </p>		<p>Date: 21 August 2019</p>

AECOM FIELD CHANGE REQUEST (FCR)



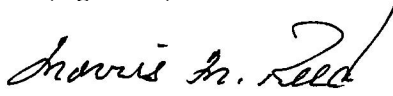
UXOQCS/UXOSO (Signature) 	Date: 20 August 2019
AECOM Project Manager (Signature) 	Date: 20 August 2019
MRQPM (Signature) 	Date: 20 August 2019
MRSPM (Signature) 	Date: 20 August 2019
USACE OESS (Signature)	Date:
USACE Project Manager (Signature)	Date:

AECOM

FIELD CHANGE REQUEST (FCR)



CONTRACT: W912BV-16-C-0033	DELIVERY ORDER NAME: FWDA Parcel 3 Closure & Corrective Action	CHANGE REQUEST NO. HWMU-2020-001 (Revision to HWMU-2017-004, Revised)
DELIVERY ORDER: NA	LOCATION: Fort Wingate Depot Activity New Mexico	DATE: 30 March 2020
1. DESCRIPTION (items involved, submit sketch, if applicable):		
<p>HWMU Removal Work Plan, Approved Final, Revision 1, Section 3.9.1 Initial Ferrous Metal Removal and MPPEH Inspection with Field Change Request HWMU-2017-004, Revised, currently reads:</p> <p>“The ILB will be shielded, equipped with an emergency stop and observation cameras, and staffed with a minimum of one SUXOS-qualified Tech III, one UXOSO-qualified Tech III, one UXO Tech III, and one UXO Tech II.” The requisite shielding to prevent perforation for an unintentional detonation of a 2000 lb AN-M66A2 bomb will be provided. The ILB will never...”</p> <p>Change the first sentence from this section to: ““The ILB will be shielded, equipped with an emergency stop and observation cameras, and staffed with a minimum of one SUXOS-qualified Tech III, one UXOSO-qualified Tech III, and one UXO Tech II.””</p>		
2. REASON FOR CHANGE:		
<p>The HWMU Removal Work Plan minimum ILB staffing requirements to conduct the MPPEH inspection process are greater than the minimum industry requirements in accordance with USACE EM 385-1-97. Reducing the minimum number of ILB personnel required, but still being compliant with USACE EM 385-1-97 and site-specific requirements, will allow site management greater flexibility to staff the ILB.</p>		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):		
<input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative)		
<input type="checkbox"/> Not Approved (give reason). <input checked="" type="checkbox"/> Considered minor change – APPROVED – Documents will not be formally revised. <input type="checkbox"/> Considered major change – Client approval required via contract modification process.		
Prepared by (Signature) 	Date: 30 March 2020	
SUXOS (Signature) 	Date: 30 March 2020	
UXOQCS (Signature) 	Date: 30 March 2020	

AECOM
FIELD CHANGE REQUEST (FCR)

AECOM Project Manager (Signature) 	Date: 30 March 2020
MRQPM (Signature) 	Date: 30 March 2020
MRSPPM (Signature) 	Date: 30 March 2020
USACE OESS (Signature)	Date:
USACE Project Manager (Signature)	Date:

AECOM

FIELD CHANGE REQUEST (FCR)

CONTRACT: W912BV-16-C-0033	DELIVERY ORDER NAME: FWDA Parcel 3 Closure & Corrective Action	CHANGE REQUEST NO. HWMU-2024-001
DELIVERY ORDER: N/A	LOCATION: Fort Wingate Depot Activity New Mexico	DATE: 12 January 2024
1. DESCRIPTION (items involved, submit sketch, if applicable): Append HWMU Removal Plan, Approved Final, Revision 1, Section 3.9.1 Initial Ferrous Metal Removal and MPPEH Inspection with the following paragraph: “MPPEH items determined acceptable to move by the ILB Supervisor and ILB Safety Officer removed from the conveyor belt will be transported to B Block for future destruction or an additional detailed MPPEH inspection. A secondary MPPEH inspection may be conducted to potentially reduce the number of acceptable to move MPPEH items that require to be destroyed at the CAMU by re-categorizing them as MDAS. Items determined to be MDAS will be transported to the TFU for flashing, and items determined to be MEC will be either transported to the CAMU for immediate destruction or re-stored in one of the ECMs in Block B until destruction at a later date.”		
2. REASON FOR CHANGE The UXO Site Management Team (Site Manager, SUXOS, UXOSO, UXOQCS) assessed the acceptable to move MPPEH items stored in B Block the first week after the Holiday break and determined that approximately 30% of the items were MDAS. The re-categorization of acceptable to move MPPEH items to MDAS reduces UXO Technician exposure to burning and explosive operations. No changes are being made to the ILB Team or operations as the UXO Site Management Team determined the ILB Team is operating as designed by erring on the conservative side when making an explosives safety status determination of items traveling on a conveyor belt.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input checked="" type="checkbox"/> Considered minor change – APPROVED – Documents will not be formally revised. <input type="checkbox"/> Considered major change – Client approval required via contract modification process.		
Prepared by (Signature) 	Date: 1/17/24	
USACE Project Manager (Signature)	Date:	
AECOM Project Manager (Signature) Carson, John (Omaha) <small>Digitally signed by Carson, John (Omaha) DN: cn=Carson, John (Omaha), ou=USOMA1, email=john.c.carson@aecom.com Date: 2024.01.20.11:29:13 -0600</small>	Date:	
 Health and Safety Manager (Signature)	Date: 19 January 2024	