APPENDIX A

DAILY REPORTS

Daily Site Report/QC Form

USACE, Army National Guard Directorate and West Virginia Army National Guard - Munitions Response Services at Camp Dawson, Kingwood, West Virginia

CONTRACT NO./D.O. No.:	**WORK ORDER NO.:**	**DATE/ TIME ON- AND OFF-SITE**
Contract No. W912DR-09-D-0006, D.O. No.: 0008	**03886.551.008**	7 October 2013

WEATHER/TEMPERATURE: Raining/ 74°

WORK LOCATION: Known Distance (KD) Range Munitions Response Site at Camp Dawson, Kingwood, West Virginia

PERSONNEL/AFFILIATION (PRINT)

Jess Anderson WESTON

Chuck Rapone WESTON

Doug Gates WESTON

John Haines ARNG

SUBCONTRACTOR: MT2/ Advance Land Services **TRADE/SERVICE:** Surveyor

Mike Burkett MT2

Cory Acuff Advance Land Services

Steven Thorn Advance Land Services

_____/

HEALTH AND SAFETY:

☒ Daily H&S Brief and Discussion

- Prior to work and as needed

Discussion Topics: PPE for activities performed (boots, gloves, and safety glasses), Slips/Trips/Falls, Munitions Safety Inclement weather, ticks, poison ivy, uneven terrain, lead contamination, potential UXO

☒ Personnel Sign In	☒ Review Applicable SOPs	☐ Phone / Radio Check	☒ First Aid Kit	☐ Fire Prevention Equipment	☐ Issues / Injuries

WORK AREA AND EQUIPMENT DOCUMENTATION (Inspection and Condition):

☒ Vehicle Inspection ☐ Survey Equipment Operable ☐ Conex Box Insp. ☐ Housekeeping ☐ Other Equipment Inspection / Compliance

Equipment QC Inspected: Weston pickup truck; Soil recovery probes ☐ Compliance

PPE: ☒ Level D (Gloves, glasses, safety toe boots,) Modifications:

Comments: XRF set up and calibrated by MT2

WORK COMPLETED:

☒ Surveyor activities (List) Lay out sampling grid
☒ Soil Sampling
☒ XRF Sampling
☒ QC Documentation in accordance with UFP-QAPP and applicable SOPS (Specify activities and tasks below)
☒ Field Sampling ID
☐ _____

☐ Equipment Transport (mob/demob to/from site-List)
☐ Equipment Maintenance
☐ Equipment Issues (List below)
☐ _____
☐ _____
☐ _____

Comments: _____

MATERIALS DELIVERED (Amount, Condition, and Purpose):

None

PROBLEMS/RESOLUTIONS:

None

FURTHER DISCUSSION (List Topic and Comment):

Weston/MT2 set up command/staging area (tables, chairs, XRF equipment, ovens) calibrated XRF, set up GPS. Conducted Health and Safety brief and walked the site.

Surveyors began to lay out and stake the 25'X25' grid around work area. Completed area surrounding the known impact area. Field team was able to begin sampling the known impact area. MT2 ran the samples through the XRF analyzer. Lead results ranges from 17 ppm to 3,768 ppm. The field team utilized the 50' step out approach to the nodes north and west of the known impact area. These nodes were sampled and lead XRF results indicate low levels of lead present in the surface soil.

PREPARED BY:

Charles Rapone

#64

Camp Dawson
Field XRF Results

Date	Sample ID	Reading	Mode	LiveTime	field1	Pb (ppm)	Pb +/-
7-Oct-13	Standardization	1	Standardiz	9.71			
7-Oct-13	Standardization, Resolution = 230	2	Standardiz	34.55			
7-Oct-13	Instrument Blank SiO2	3	Soil	82.51	standard	8	2
7-Oct-13	Instrument Blank SiO2	4	Soil	82.33	standard	11	2
7-Oct-13	Instrument Blank SiO2	5	Soil	82.53	standard	7	2
7-Oct-13	NIST Standard 2711 Medium	6	Soil	77.34	standard	1,085	14
7-Oct-13	NIST Standard 2711 Medium	7	Soil	77	standard	1,105	14
7-Oct-13	NIST Standard 2711 Medium	8	Soil	77.04	standard	1,093	14
7-Oct-13	NIST Standard 2711 Medium	9	Soil	77.03	standard	1,125	14
7-Oct-13	NIST Standard 2711 Medium	10	Soil	77.17	standard	1,106	14
7-Oct-13	NIST Standard 2711 Medium	11	Soil	77.41	standard	1,107	14
7-Oct-13	NIST Standard 2711 Medium	12	Soil	77.25	standard	1,122	14
7-Oct-13	CDW-KD-01-SS01	13	Soil	78.17	standard	19	3
7-Oct-13	CDW-KD-02-SS01	14	Soil	76.29	standard	22	3
7-Oct-13	CDW-KD-03-SS01	15	Soil	73.08	standard	2,077	21
7-Oct-13	CDW-KD-04-SS01	16	Soil	75.84	standard	3,768	36
7-Oct-13	Method Blank	17	Soil	71.76	standard	18	2
7-Oct-13	CDW-KD-03-SS02	18	Soil	74.42	standard	1,359	16
	Changed Battery on XRF						
7-Oct-13	Standardization, Resolution = 230	19	Standardiz	34.7			
7-Oct-13	CDW-KD-03-SS03	20	Soil	78.03	standard	858	12
7-Oct-13	CDW-KD-03-SS04	21	Soil	73.74	standard	175	5
7-Oct-13	CDW-KD-04-SS02	22	Soil	72.9	standard	1,895	19
7-Oct-13	CDW-KD-04-SS03	23	Soil	74.3	standard	99	4
7-Oct-13	CDW-KD-05-SS01	24	Soil	73.56	standard	218	5
7-Oct-13	CDW-KD-06-SS01	25	Soil	70.84	standard	19	2
7-Oct-13	CDW-KD-01-SS01 - Dried	26	Soil	74.21	standard	31	3
7-Oct-13	CDW-KD-02-SS01 - Dried	27	Soil	73.69	standard	45	3

Daily Site Report/QC Form

USACE, Army National Guard Directorate and West Virginia Army National Guard - Munitions Response Services at Camp Dawson, Kingwood, West Virginia

CONTRACT NO./D.O. No.:	**WORK ORDER NO.:**	**DATE/ IME ON- AND OFF-SITE**
Contract No. W912DR-09-D-0006, D.O. No.: 0008	**03886.551.008**	8 October 2013

WEATHER/TEMPERATURE: Fog, Overcast in the am 40°s; Sunny 70°s in the afternoon

WORK LOCATION: Known Distance (KD) Range Munitions Response Site at Camp Dawson, Kingwood, West Virginia

PERSONNEL/AFFILIATION (PRINT)

Jess Anderson WESTON

Chuck Rapone WESTON

Doug Gates WESTON

John Haines ARNG

SUBCONTRACTOR: MT2/ Advance Land Services **TRADE/SERVICE:** Surveyor

Mike Burkett MT2

Cory Acuff Advance Land Services

Steven Thorn Advance Land Services

_____/

HEALTH AND SAFETY:

☒ Daily H&S Brief and Discussion

- Prior to work and as needed

Discussion Topics: PPE for activities performed (boots, gloves, and safety glasses), Slips/Trips/Falls, Munitions Safety Inclement weather, ticks, poison ivy, uneven terrain, lead contamination, potential UXO

☒ Personnel Sign In	☒ Review Applicable SOPs	☐ Phone / Radio Check	☒ First Aid Kit	☐ Fire Prevention Equipment	☐ Issues / Injuries

WORK AREA AND EQUIPMENT DOCUMENTATION (Inspection and Condition):

☒ Vehicle Inspection ☐ Survey Equipment Operable ☐ Conex Box Insp. ☐ Housekeeping ☐ Other Equipment Inspection / Compliance

Equipment QC Inspected: Weston pickup truck; Soil recovery probes ☐ Compliance

PPE: ☒ Level D (Gloves, glasses, safety toe boots,) Modifications:

Comments: XRF set up and calibrated by MT2

WORK COMPLETED:

☒ Surveyor activities (List) Lay out sampling grid
☒ Soil Sampling
☒ XRF Sampling
☒ QC Documentation in accordance with UFP-QAPP and applicable SOPS (Specify activities and tasks below)
☒ Field Sampling ID
☐ _____

☐ Equipment Transport (mob/demob to/from site-List)
☐ Equipment Maintenance
☐ Equipment Issues (List below)
☐ _____
☐ _____
☐ _____

Comments: _____

MATERIALS DELIVERED (Amount, Condition, and Purpose):

None

PROBLEMS/RESOLUTIONS:

None

FURTHER DISCUSSION (List Topic and Comment):

Weston/MT2 continued with grid sampling of the Known Distance (KD) Range Munitions Response Site (MRS) for the berm sampling.

Surveyors completed the grid layout and staking of the 25'x25' grid around work area. Also completed topographical survey of the site.

Field team completed sampling of the know impact area and surrounding nodes. Field team also completed the designated 50'x50' grids located north of the target berm. MT2 ran the samples through the XRF analyzer. Lead results ranges from 17 ppm to 3,768 ppm.

The field team utilized a 25' or 50'step out approach (depending of the XRF results) to the nodes surrounding the know impact area. These nodes were sampled and lead XRF results indicate low levels of lead present in the surface soil.

Attached are lead XRF results for all samples that were collected and analyzed on 10/7/13.

Attached is a figure depicting sample locations with results that exceed 400 ppm in the surface soil.

PREPARED BY:

Charles Rapone

#65

WESTON

Impact Berms in the KD Range MRS
Grids(25x25 ft.)
Grids(50x50 ft.)
Former KD Range
Grids Where Sampling Will Be Initiated

Camp Dawson

Camp Dawson
Kingwood, WV

WESTON SOLUTIONS

FIGURE 5
KD Range MRS Berm
Proposed Sampling Grid

N

0 30 60 90 Feet
0 10 20 30 Meters

NOTES:
Aerial Data Source: ESRI Bing Mapping Service, 2011

Coordinate System:
UTM, Z17N, WGS84, Meter

9/19/2013
Revision: 1

KD_Range_Target_Berm_Locs

Drawn: ricksc

PROJ: 03886.551.008

File: Y:\Camp_Dawson\Mxd\KD_Range_Target_Berm_Locs.mxd, 9/19/2013 3:38:03 PM, ricksc

Camp Dawson

Field XRF Results

Date	Sample ID	Reading	Mode	LiveTime	field1	Pb (ppm)	Pb +/-
8-Oct-13	Successful standardization, resolution = 229	1	Standardization	34.46			
8-Oct-13	Instrument Blank; SiO2	2	Soil	81.13	standard	7	2
8-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	3	Soil	78.6	standard	19	3
8-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	4	Soil	78.67	standard	18	3
8-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	5	Soil	78.5	standard	23	3
8-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	6	Soil	78.48	standard	24	3
8-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	7	Soil	78.49	standard	15	3
8-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	8	Soil	78.57	standard	20	3
8-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	9	Soil	78.65	standard	21	3
8-Oct-13	CDW-KD-07-SS01	10	Soil	72.66	standard	574	9
8-Oct-13	CDW-KD-08-SS01	11	Soil	72.45	standard	16	2
8-Oct-13	CDW-KD-07-SS02	12	Soil	73.23	standard	70	3

Camp Dawson
Field XRF Results

Date	Sample ID	Reading	Mode	LiveTime	field1	Pb (ppm)	Pb +/-
8-Oct-13	CDW-KD-09-SS01	13	Soil	72.31	standard	15	2
8-Oct-13	CDW-KD-07-SS01 - Dried	14	Soil	72.92	standard	844	11
8-Oct-13	CDW-KD-08-SS01 - Dried	15	Soil	73.7	standard	19	3
8-Oct-13	CDW-KD-10-SS01	16	Soil	72.47	standard	12	2
8-Oct-13	CDW-KD-11-SS01	17	Soil	72.93	standard	12	2
8-Oct-13	CDW-KD-12-SS01	18	Soil	71.71	standard	2,551	24
8-Oct-13	CDW-KD-12-SS02	19	Soil	73.88	standard	687	10
8-Oct-13	CDW-KD-12-SS03	20	Soil	73.32	standard	37	3
8-Oct-13	CDW-KD-07-SS02 - Dried	21	Soil	74.89	standard	67	3
	Method Blank that previous read 18						
8-Oct-13		22	Soil	72.05	standard	18	2
8-Oct-13	CDW-KD-13-SS01	23	Soil	73.61	standard	200	5
8-Oct-13	CDW-KD-14-SS01	24	Soil	71.25	standard	12	2
8-Oct-13	CDW-KD-15-SS01	25	Soil	72.95	standard	14	2
8-Oct-13	CDW-KD-09-SS01 - Dried	26	Soil	74.77	standard	17	3
8-Oct-13	CDW-KD-10-SS01 - Dried	27	Soil	74.88	standard	20	3
8-Oct-13	CDW-KD-11-SS01 - Dried	28	Soil	74.3	standard	22	3
8-Oct-13	CDW-KD-12-SS01 - Dried	29	Soil	75.02	standard	3,418	33
	Changed battery on XRF						
8-Oct-13	Successful standardization, resolution = 229	30	Standardization	34.06			
8-Oct-13	CDW-KD-12-SS02 - Dried	31	Soil	74.64	standard	1,002	13
8-Oct-13	CDW-KD-13-SS01 - Dried	32	Soil	75.63	standard	324	7
8-Oct-13	Instrument Blank; SiO2	33	Soil	82.51	standard	15	2
	Cleaned Kapton Window on XRF						
8-Oct-13	Instrument Blank; SiO2	34	Soil	82.34	standard	10	2
8-Oct-13	CDW-KD-15-SS01 - Dried	35	Soil	74.91	standard	21	3
8-Oct-13	CDW-KD-14-SS01 - Dried	36	Soil	75.15	standard	17	2
8-Oct-13	CDW-KD-16-SS01	37	Soil	69.57	standard	97	3
8-Oct-13	CDW-KD-17-SS01	38	Soil	73.47	standard	21	2
8-Oct-13	CDW-KD-18-SS01	39	Soil	72.55	standard	26	2
8-Oct-13	CDW-KD-19-SS01	40	Soil	73.01	standard	16	2
8-Oct-13	CDW-KD-20-SS01	41	Soil	71.59	standard	55	3

Camp Dawson

Field XRF Results

Date	Sample ID	Reading	Mode	LiveTime	field1	Pb (ppm)	Pb +/-
8-Oct-13	CDW-KD-21-SS01	42	Soil	71.84	standard	493	8
8-Oct-13	CDW-KD-21-SS02	43	Soil	73.73	standard	139	4
8-Oct-13	CDW-KD-16-SS01 - Dried	44	Soil	73.72	standard	137	4
8-Oct-13	CDW-KD-17-SS01 - Dried	45	Soil	74.51	standard	29	3
8-Oct-13	CDW-KD-18-SS01 - Dried	46	Soil	74.09	standard	31	3
8-Oct-13	CDW-KD-22-SS01	47	Soil	72.15	standard	46	3
8-Oct-13	CDW-KD-23-SS01	48	Soil	72.55	standard	1,854	19
8-Oct-13	CDW-KD-24-SS01	49	Soil	72.84	standard	212	5
8-Oct-13	CDW-KD-25-SS01	50	Soil	69.51	standard	28	2
8-Oct-13	CDW-KD-23-SS02	51	Soil	73.69	standard	1,584	17
8-Oct-13	CDW-KD-23-SS03	52	Soil	73.7	standard	71	3
8-Oct-13	Instrument Blank; SiO2	53	Soil	81.73	standard	ND <6	
8-Oct-13	CDW-KD-26-SS01	54	Soil	72.71	standard	604	9
8-Oct-13	CDW-KD-27-SS01	55	Soil	72.81	standard	49	3
8-Oct-13	CDW-KD-28-SS01	56	Soil	73.44	standard	46	3
8-Oct-13	CDW-KD-29-SS01	57	Soil	71.08	standard	21	2
8-Oct-13	CDW-KD-30-SS01	58	Soil	71.09	standard	53	3
8-Oct-13	CDW-KD-31-SS01	59	Soil	70.55	standard	80	3
8-Oct-13	CDW-KD-26-SS02	60	Soil	73.61	standard	170	5
8-Oct-13	Changed battery on XRF Successful standardization, resolution = 228	61	Standardization	34.29			
8-Oct-13	CDW-KD-19-SS01 - Dried	62	Soil	74.2	standard	26	3
8-Oct-13	CDW-KD-20-SS01 - Dried	63	Soil	75.13	standard	78	4
8-Oct-13	CDW-KD-21-SS01 - Dried	64	Soil	75.15	standard	654	10
8-Oct-13	CDW-KD-21-SS02 - Dried	65	Soil	74.98	standard	215	6
8-Oct-13	CDW-KD-22-SS01 - Dried	66	Soil	74.51	standard	70	4
8-Oct-13	CDW-KD-23-SS01 - Dried	67	Soil	74.32	standard	2,940	29
8-Oct-13	CDW-KD-24-SS01 - Dried	68	Soil	73.86	standard	283	6
8-Oct-13	CDW-KD-25-SS01 - Dried	69	Soil	72.53	standard	31	3
8-Oct-13	CDW-KD-23-SS02 - Dried	70	Soil	74.38	standard	1,582	18
8-Oct-13	CDW-KD-23-SS03 - Dried	71	Soil	74.29	standard	191	5

Daily Site Report/QC Form

USACE, Army National Guard Directorate and West Virginia Army National Guard - Munitions Response Services at Camp Dawson, Kingwood, West Virginia

CONTRACT NO./D.O. No.:	**WORK ORDER NO.:**	**DATE/ IME ON- AND OFF-SITE**
Contract No. W912DR-09-D-0006, D.O. No.: 0008	**03886.551.008**	9 October 2013

WEATHER/TEMPERATURE: Overcast in the am 40°s; Sunny 70°s in the afternoon

WORK LOCATION: Known Distance (KD) Range Munitions Response Site at Camp Dawson, Kingwood, West Virginia

PERSONNEL/AFFILIATION (PRINT)

Jess Anderson WESTON

Chuck Rapone WESTON

Doug Gates WESTON

SUBCONTRACTOR: MT2 **TRADE/SERVICE:** XRF

Mike Burkett MT2

_____/

HEALTH AND SAFETY:

☒ Daily H&S Brief and Discussion

- Prior to work and as needed

Discussion Topics: PPE for activities performed (boots, gloves, and safety glasses), Slips/Trips/Falls, Munitions Safety Inclement weather, ticks, poison ivy, uneven terrain, lead contamination, potential UXO

☒ Personnel Sign In	☒ Review Applicable SOPs	☐Phone / Radio Check	☒ First Aid Kit	☐ Fire Prevention Equipment	☐ Issues / Injuries

WORK AREA AND EQUIPMENT DOCUMENTATION (Inspection and Condition):

☒ Vehicle Inspection ☐ Survey Equipment Operable ☐ Conex Box Insp. ☒ Housekeeping ☐ Other Equipment Inspection / Compliance

Equipment QC Inspected: Weston pickup truck; Soil recovery probes ☐ Compliance

PPE: ☒ Level D (Gloves, glasses, safety toe boots,) Modifications:

Comments: XRF set up and calibrated by MT2

WORK COMPLETED:

☐ Surveyor activities (List) Lay out sampling grid
☒ Soil Sampling
☒ XRF Sampling
☒ QC Documentation in accordance with UFP-QAPP and applicable SOPS (Specify activities and tasks below)
☒ Field Sampling ID
☐ _____

☐ Equipment Transport (mob/demob to/from site-List)
☐ Equipment Maintenance
☐ Equipment Issues (List below)
☐ _____
☐ _____
☐ _____

Comments: _____

MATERIALS DELIVERED (Amount, Condition, and Purpose):

None

PROBLEMS/RESOLUTIONS:

None

FURTHER DISCUSSION (List Topic and Comment):

Weston/MT2 continued with grid sampling of the Known Distance (KD) Range Munitions Response Site (MRS) for the berm sampling.

Field team completed sampling of the known impact area and surrounding nodes. Field team also completed the designated 50'x50' grids located north of the target berm. MT2 ran the samples through the XRF analyzer. Lead results ranges from 9 ppm to 713 ppm.

The field team utilized a 25' or 50' step out approach (depending of the XRF results) to the nodes surrounding the known impact area. These nodes were sampled and lead XRF results indicate low levels of lead present in the surface soil.

Attached are lead XRF results for all samples that were collected and analyzed on 10/9/13.

Attached is a figure depicting all sample locations collected to date highlighting results that exceed 400 ppm in the surface soil.

PREPARED BY:

Charles Rapone

Backside of target berm

Sampling grid

Collection of sample

Camp Dawson
Field XRF Results

Date	Sample ID	Reading	Mode	LiveTime	field1	Pb (ppm)	Pb +/-
9-Oct-13	Successful standardization, resolution = 229	1	Standardization	34.34			
9-Oct-13	Instrument Blank; SiO2	2	Soil	82.87	standard	9	2
9-Oct-13	Instrument Blank; SiO2	3	Soil	82.73	standard	10	2
9-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	4	Soil	79.6	standard	13	3
9-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	5	Soil	79.33	standard	19	3
9-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	6	Soil	79.67	standard	20	3
9-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	7	Soil	79.28	standard	18	3
9-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	8	Soil	79.27	standard	18	3
9-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	9	Soil	79.1	standard	15	3
9-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	10	Soil	79.35	standard	21	3
9-Oct-13	CDW-KD-32-SS01	11	Soil	66.11	standard	47	3
9-Oct-13	CDW-KD-33-SS01	12	Soil	72.62	standard	25	3
9-Oct-13	CDW-KD-34-SS01	13	Soil	71.54	standard	36	3
9-Oct-13	CDW-KD-35-SS01	14	Soil	72.13	standard	92	4
9-Oct-13	CDW-KD-36-SS01	15	Soil	73.18	standard	49	3
9-Oct-13	CDW-KD-37-SS01	16	Soil	73.5	standard	45	3
9-Oct-13	Method Blank that previous read 18	17	Soil	72.03	standard	23	2
9-Oct-13	CDW-KD-26-SS01 - Dried	18	Soil	73.56	standard	713	10
9-Oct-13	CDW-KD-26-SS02 - Dried	19	Soil	75.04	standard	200	5
9-Oct-13	CDW-KD-27-SS01 - Dried	20	Soil	74.66	standard	60	3
9-Oct-13	CDW-KD-28-SS01 - Dried	21	Soil	74.68	standard	41	3
9-Oct-13	CDW-KD-29-SS01 - Dried	22	Soil	74.8	standard	35	3
9-Oct-13	CDW-KD-30-SS01 - Dried	23	Soil	75.59	standard	47	3
9-Oct-13	CDW-KD-31-SS01 - Dried	24	Soil	75.52	standard	109	4
9-Oct-13	CDW-KD-38-SSO1	25	Soil	70.76	standard	49	3
9-Oct-13	CDW-KD-39-SSO1	26	Soil	71.92	standard	54	3
	Changed battery on XRF						
9-Oct-13	Successful standardization, resolution = 229	27	Standardization	34.41			
9-Oct-13	CDW-KD-32-SS01 - Dried	28	Soil	75.07	standard	73	4
9-Oct-13	CDW-KD-33-SS01 - Dried	29	Soil	75.63	standard	42	3
9-Oct-13	CDW-KD-34-SS01 - Dried	30	Soil	73.39	standard	63	3
9-Oct-13	CDW-KD-35-SS01 - Dried	31	Soil	75.74	standard	69	4
9-Oct-13	CDW-KD-36-SS01 - Dried	32	Soil	76.2	standard	77	4
9-Oct-13	CDW-KD-37-SS01 - Dried	33	Soil	75.06	standard	65	4
9-Oct-13	Instrument Blank; SiO2	34	Soil	82.27	standard	ND<7	
9-Oct-13	CDW-KD-40-SS01	35	Soil	79.29	standard	15	3

Camp Dawson
Field XRF Results

Date	Sample ID	Reading	Mode	LiveTime	field1	Pb (ppm)	Pb +/-
9-Oct-13	CDW-KD-41-SS01	36	Soil	81.93	standard	16	3
9-Oct-13	CDW-KD-38-SS01 - Dried	37	Soil	75.1	standard	70	3
9-Oct-13	CDW-KD-39-SS01 - Dried	38	Soil	73.84	standard	92	4
9-Oct-13	CDW-KD-42-SSO1	39	Soil	69.79	standard	93	4
9-Oct-13	CDW-KD-43-SSO1	40	Soil	76.79	standard	50	3
9-Oct-13	CDW-KD-44-SSO1	41	Soil	72.58	standard	19	3
9-Oct-13	CDW-KD-40-SS01 - Dried	42	Soil	74.88	standard	25	3
9-Oct-13	CDW-KD-41-SS01 - Dried	43	Soil	73.43	standard	26	3
9-Oct-13	CDW-KD-42-SS01 - Dried	44	Soil	76.00	standard	158	5
9-Oct-13	Successful standardization, resolution = 226	45	Standardization	33.80			
9-Oct-13	CDW-KD-43-SS01 - Dried	46	Soil	76.36	standard	63	4
9-Oct-13	CDW-KD-44-SS01 - Dried	47	Soil	74.54	standard	21	3

Impact Berms in the KD Range MRS
Grids(25x25 ft.)
Grids(50x50 ft.)
Former KD Range
Grids Where Sampling Will Be Initiated

Camp Dawson

Camp Dawson
Kingwood, WV

WESTON SOLUTIONS

N

0 30 60 90 Feet

0 10 20 30 Meters

NOTES:
Aerial Data Source: ESRI Bing Mapping Service, 2011

Coordinate System:
UTM, Z17N, WGS84, Meter

FIGURE 5
KD Range MRS Berm
Proposed Sampling Grid

9/19/2013
Revision: 1

KD_Range_Target_Berm_Locs

Drawn: ricksc

PROJ: 03886.551.008

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Daily Site Report/QC Form

USACE, Army National Guard Directorate and West Virginia Army National Guard - Munitions Response Services at Camp Dawson, Kingwood, West Virginia

CONTRACT NO./D.O. No.:	**WORK ORDER NO.:**	**DATE/ IME ON- AND OFF-SITE**
Contract No. W912DR-09-D-0006, D.O. No.: 0008	**03886.551.008**	10 October 2013

WEATHER/TEMPERATURE: Overcast; 40°s in the am; 60°s in the afternoon

WORK LOCATION: Known Distance (KD) Range Munitions Response Site at Camp Dawson, Kingwood, West Virginia

PERSONNEL/AFFILIATION (PRINT)

Jess Anderson WESTON

Chuck Rapone WESTON

Doug Gates WESTON

SUBCONTRACTOR: MT2 **TRADE/SERVICE:** XRF

Mike Burkett MT2

_____/

HEALTH AND SAFETY:

☒ Daily H&S Brief and Discussion

- Prior to work and as needed

Discussion Topics: PPE for activities performed (boots, gloves, and safety glasses), Slips/Trips/Falls, Munitions Safety Inclement weather, ticks, poison ivy, uneven terrain, lead contamination, potential UXO

☒ Personnel Sign In	☒ Review Applicable SOPs	☐Phone / Radio Check	☒ First Aid Kit	☐ Fire Prevention Equipment	☐ Issues / Injuries

WORK AREA AND EQUIPMENT DOCUMENTATION (Inspection and Condition):

☒ Vehicle Inspection ☐ Survey Equipment Operable ☐ Conex Box Insp. ☒ Housekeeping ☐ Other Equipment Inspection / Compliance

Equipment QC Inspected: Weston pickup truck; Soil recovery probes ☐ Compliance

PPE: ☒ Level D (Gloves, glasses, safety toe boots,) Modifications:

Comments: XRF set up and calibrated by MT2

WORK COMPLETED:

☐ Surveyor activities (List) Lay out sampling grid
☒ Soil Sampling
☒ XRF Sampling
☒ QC Documentation in accordance with UFP-QAPP and applicable SOPS (Specify activities and tasks below)
☒ Field Sampling ID
☐ _____

☐ Equipment Transport (mob/demob to/from site-List)
☐ Equipment Maintenance
☐ Equipment Issues (List below)
☐ _____
☐ _____
☐ _____

Comments: _____

MATERIALS DELIVERED (Amount, Condition, and Purpose):

None

PROBLEMS/RESOLUTIONS:

None

FURTHER DISCUSSION (List Topic and Comment):

Weston/MT2 continued with grid sampling of the Known Distance (KD) Range Munitions Response Site (MRS) for the berm sampling.

Field team completed sampling of the known impact area and surrounding nodes. Field team collected additional samples within 50'x50' grids located north of the target berm. Addition samples were also collected east of the known impact area behind and to the east of the target berm. MT2 ran the samples through the XRF analyzer. Lead results ranges from 9 ppm to 713 ppm.

The field team collected soil from 4 locations for physical parameters. GPS points were collected at each sample location.
The team packed equipment for demob and work area was cleaned. Grid stakes were removed from off-road vehicle paths and foot paths. Stakes were also removed from areas where lawn mowing occurs.

Attached are lead XRF results for all samples that were collected and analyzed on 10/10/13.

Attached is a figure depicting all sample locations collected to date highlighting results that exceed 400 ppm in the surface soil.

PREPARED BY:

Charles Rapone

View from top of target berm facing impact berm.

Profile view of Known Distance Range MRS target and impact berms.

Camp Dawson
Field XRF Results

Date	Sample ID	Reading	Mode	LiveTime field1	Pb (ppm)	Pb +/-
10-Oct-13	Successful standardization, resolution = 230	1	Standardization	34.43		
10-Oct-13	Instrument Blank; SiO2	2	Soil	82.19 standard	11	2
10-Oct-13	Instrument Blank; SiO2	3	Soil	82.61 standard	ND<7	
10-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	4	Soil	78.04 standard	13	3
10-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	5	Soil	78.18 standard	19	3
10-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	6	Soil	79.14 standard	27	3
10-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	7	Soil	78.07 standard	21	3
10-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	8	Soil	78.16 standard	22	3
10-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	9	Soil	78.04 standard	18	3
10-Oct-13	Calibration and Precision Sample Measurement using NIST #2709 Low with Pb given value of 18.9	10	Soil	78 standard	20	3
10-Oct-13	CDW-KD-45-SS01	11	Soil	71.4 standard	71	3
10-Oct-13	CDW-KD-46-SS01	12	Soil	73.54 standard	43	3
10-Oct-13	CDW-KD-47-SS01	13	Soil	75.21 standard	51	3
10-Oct-13	CDW-KD-48-SS01	14	Soil	71.87 standard	30	3
10-Oct-13	CDW-KD-49-SS01	15	Soil	73.82 standard	55	3
10-Oct-13	CDW-KD-50-SS01	16	Soil	72.39 standard	75	2
10-Oct-13	CDW-KD-45-SS01 - Dried	17	Soil	74.64 standard	91	4
10-Oct-13	CDW-KD-46-SS01 - Dried	18	Soil	74.89 standard	60	4
10-Oct-13	CDW-KD-47-SS01 - Dried	19	Soil	74.95 standard	70	4
10-Oct-13	CDW-KD-48-SS01 - Dried	20	Soil	73.50 standard	47	3
10-Oct-13	CDW-KD-49-SS01 - Dried	21	Soil	73.13 standard	85	4
10-Oct-13	CDW-KD-50-SS01 - Dried	22	Soil	73.38 standard	92	4

Impact Berms in the KD Range MRS
Grids(25x25 ft.)
Grids(50x50 ft.)
Former KD Range
Grids Where Sampling Will Be Initiated

Camp Dawson

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Kingwood, WV

WESTON SOLUTIONS

FIGURE 5
KD Range MRS Berm
Proposed Sampling Grid

N

0 30 60 90 Feet
0 10 20 30 Meters

NOTES:
Aerial Data Source: ESRI Bing Mapping Service, 2011

Coordinate System:
UTM, Z17N, WGS84, Meter

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