



Mr. Scot Donato
Great Western Operating Company LLC
1801 Broadway, Suite 500
Denver, Co. 80202

May 10, 2015

Facility ID: 444442

RE: Sampling, April 2015, Weld County Airport - Drilling Mud Beneficial Re-Use Application Site (portion of E1/2 Section 35, T6N, R65W), MEC # 2015.125

Attached please find the results of the April 2015 sampling at the Great Western, Drilling Mud Beneficial Re-Use Airport site, Weld County, Co, which we discussed in recent e-mail communications in March 2015. The Great Western site is located within a portion of the East ½, Section 35, T6N, R65W. The sampling was performed on April 6, 2015.

The sampling included the collection four soil samples from the respective 5 POD sampling areas, which were mixed together as a representative composite samples. The composite samples were mixed in a pre-cleaned stainless steel bowl and a lab sample was collected in pre-cleaned sampling jar provided by the laboratory.

The composite samples collected on April 6, 2015 were analyzed for BTEX, TPH-volatile (TPH-V); TPH-extractable (TPH-E), and TPH-recoverable (TPH-R); pH; EC; Metals, Calcium, Magnesium, Sodium, and SAR. The THP-R analysis was included since the drilling muds applied at the site were reportedly generated from an oil well location.

Sampling Results

All of the analytical results were below regulatory guideline levels, except for the SAR analysis. The SAR alb results for the respective samples were: for POD-C-North (SAR 17.4); POD-C-South (SAR 16.2), and POD-D- North (SAR 12.9). The regulatory SAR guideline level is 12.0. These analytical results are considered slightly above the regulatory guideline levels.

The results of the sampling are included in the summary tables for the respective sampling Pods.

Lab Sampling Results summary:

No BTEX or TPH-V and TPH-E compounds (volatile or extractable) were detected in the laboratory analysis.

TPH-Oil concentrations for the five samples ranged from 74.1 to 243 mg/Kg. These results are below the regulatory guideline level of 500 mg/KG.

pH results within acceptable range.

EC soil sample results were within acceptable limits.

FINDINGS & RECOMMENDATIONS

As noted, the SAR results for three of the 5 samples was above the regulatory guideline level of 12.0. The SAR alb results for the respective samples were: for POD-C-North (SAR 17.4); POD-C-South (SAR 16.2), and POD-D- North (SAR 12.9). At the time of the sampling it was hard observed by MEC Inc., that the groundsurface was hard and dry. The weather conditions for the three months prior to the sampling was dryer than normal.

It is noted that the precipitation conditions for the past month since the sampling was performed has been higher than normal. Therefore, it is recommend that the three POD areas with elevated levels be re-sampled for SAR, after the current high precipitation conditions.

MEC Inc. appreciates the opportunity to provide you with these environmental consulting services. If you have any further questions, please contact me, 970-381-5951.

Thank you

John Mahoney

John Mahoney

Professional Geologist

	A	B	C	D	E	F	G	H
1	TABLE 1: Airport Area Site, Pod D South, Site Screening Results							
2	Analysis / Analyte	BKG	POD-D South	POD-D South	POD-D South	POD-D North	POD-D South	COGCC LIMIT - COGCC Table 910-1 Concentration Levels
3			6/19/2013	12/1/2013	3/12/2013	4/6/2015		
4	Sample ID >>>>>					D-South-4		
5	TPH - G (Gas)	ND	ND	ND	NA	ND		500
6	TPH - D (diesel)	ND	ND	ND	NA	ND		500
7	TPH - O (Oil range)	NA	NA	210	NA	207		500
8	Benzene	ND	ND	ND	NA	ND		0.17
9	Toluene	ND	ND	ND	NA	ND		85
10	Ethylbenzene	ND	ND	ND	NA	ND		100
11	Total Xylenes	ND	ND	ND	NA	ND		175
12	Acenaphthene	NA	NA	NA	NA	NA		
13	Acenaphthylene	NA	NA	NA	NA	NA		1,000
14	Anthracene	NA	NA	NA	NA	NA		1,000
15	Benzo(A)anthracene	NA	NA	NA	NA	NA		0.22
16	Benzo(A)pyrene	NA	NA	NA	NA	NA		0.022
17	Benzo(K)fluoranthene	NA	NA	NA	NA	NA		2.2
18	Benzo (g,h,i)perylene	NA	NA	NA	NA	NA		
19	Benzo (k) fluoranthene	NA	NA	NA	NA	NA		
20	Bis(2-chloroethoxy)menthane	NA	NA	NA	NA	NA		
21	Chrysene	NA	NA	NA	NA	NA		22
22	Dibenzo(A,H)anthracene	NA	NA	NA	NA	NA		0.022
23	Fluoranthene	NA	NA	NA	NA	NA		1,000
24	Fluorene	NA	NA	NA	NA	NA		1,000
25	Indeno(1,2,3,C,D)pyrene	NA	NA	NA	NA	NA		0.22
26	Napthalene	NA	NA	NA	NA	NA		23
27	Phenanthrene	NA	NA	NA	NA	NA		
28	Pyrene	NA	NA	NA	NA	NA		1,000
29	Arsenic	NA	NA	NA	NA	2.7		0.39
30	Barium	NA	NA	NA	NA	3026		15,000
31	Cadmium	NA	NA	NA	NA	0.54		70
32	Chromium	NA	NA	NA	NA	3.9		*
33	Copper	NA	NA	NA	NA	10.2		3,100
34	Lead	NA	NA	NA	NA	5.8		400
35	Mercury	NA	NA	NA	NA	0.016		23
36	Nickel	NA	NA	NA	NA	5.9		1,600
37	Selenium	NA	NA	NA	NA	0.09		390
38	Silver	NA	NA	NA	NA	3.7		390
39	Zinc	NA	NA	NA	NA	29.5		23,000
40	EC (mmhos/sq cm)	1.54	4.54	NA	NA	12.55		4 or 2XBKG
41	pH	7.06	7.36	NA	NA	7.64		6-9
42	Calcium	110	258	190	NA	623		
43	Magnesium	69.5	108	168	NA	154		
44	Sodium	88.1	803	958	NA	875		
45	SAR	1.62	10.6	12.2	NA	8.1		

	A	B	C	D	E	F	G	H
1	TABLE 1: Airport Area Site, Pod C North, Site Screening Results							
2	Analysis / Analyte	BKG	POD-C North	POD-C North	POD-C North	POD-C North	POD-C North	COGCC LIMIT - COGCC Table 910-1 Concentration Levels
3			6/19/2013	12/1/2013	3/12/2013	4/6/2015		
4						C North-4		
5	TPH - G (Gas)	ND	ND	ND	NA	ND		500
6	TPH - D (diesel)	ND	ND	ND	NA	ND		500
7	TPH - O (Oil range)	NA	NA	306	NA	74.1		500
8	Benzene	ND	ND	ND	NA	ND		0.17
9	Toluene	ND	ND	ND	NA	ND		85
10	Ethylbenzene	ND	ND	ND	NA	ND		100
11	Total Xylenes	ND	ND	ND	NA	ND		175
12	Acenaphthene	NA	NA	NA	NA	NA		
13	Acenaphthylene	NA	NA	NA	NA	NA		1,000
14	Anthracene	NA	NA	NA	NA	NA		1,000
15	Benzo(A)anthracene	NA	NA	NA	NA	NA		0.22
16	Benzo(A)pyrene	NA	NA	NA	NA	NA		0.022
17	Benzo(K)fluoranthene	NA	NA	NA	NA	NA		2.2
18	Benzo (g,h,i)perylene	NA	NA	NA	NA	NA		
19	Benzo (k) fluoranthene	NA	NA	NA	NA	NA		
20	Bis(2-chloroethoxy)menthane	NA	NA	NA	NA	NA		
21	Chrysene	NA	NA	NA	NA	NA		22
22	Dibenzo(A,H)anthracene	NA	NA	NA	NA	NA		0.022
23	Fluoranthene	NA	NA	NA	NA	NA		1,000
24	Fluorene	NA	NA	NA	NA	NA		1,000
25	Indeno(1,2,3,C,D)pyrene	NA	NA	NA	NA	NA		0.22
26	Napthalene	NA	NA	NA	NA	NA		23
27	Phenanthrene	NA	NA	NA	NA	NA		
28	Pyrene	NA	NA	NA	NA	NA		1,000
29	Arsenic	NA	NA	NA	NA	5.2		0.39
30	Barium	NA	NA	NA	NA	714		15,000
31	Cadmium	NA	NA	NA	NA	0.39		70
32	Chromium	NA	NA	NA	NA	3.6		*
33	Copper	NA	NA	NA	NA	5.9		3,100
34	Lead	NA	NA	NA	NA	5.7		400
35	Mercury	NA	NA	NA	NA	0.019		23
36	Nickel	NA	NA	NA	NA	9.3		1,600
37	Selenium	NA	NA	NA	NA	0.13		390
38	Silver	NA	NA	NA	NA	1.3		390
39	Zinc	NA	NA	NA	NA	22.6		23,000
40	EC (mmhos/sq cm)	1.54	4	NA	NA	2.78		4 or 2XBKG
41	pH	7.06	7.59	NA	NA	7.62		6-9
42	Calcium	110	223	265	NA	526		
43	Magnesium	69.5	84.5	223	NA	151		
44	Sodium	88.1	735	1108	NA	1755		
45	SAR	1.62	10.6	12.1	NA	17.4		12

	A	B	C	D	E	F	G	H
1	TABLE 1: Airport Area Site, Pod C South, Site Screening Results							
2	Analysis / Analyte	BKG	POD-C South	POD-C South	POD-C South	POD-C South	POD-C South	COGCC LIMIT - COGCC Table 910-1 Concentration Levels
3			6/19/2013	12/1/2013	3/12/2013 4/4/14	4/6/2015		
4	Sample ID:					C South-4		
5	TPH - G (Gas)	ND	ND	ND	NA	ND		500
6	TPH - D (diesel)	ND	ND	ND	NA	ND		500
7	TPH - O (Oil range)	NA	NA	155	NA	105		500
8	Benzene	ND	ND	ND	NA	ND		0.17
9	Toluene	ND	ND	ND	NA	ND		85
10	Ethylbenzene	ND	ND	ND	NA	ND		100
11	Total Xylenes	ND	ND	ND	NA	ND		175
12	Acenaphthene	NA	NA	NA	NA	NA		
13	Acenaphthylene	NA	NA	NA	NA	NA		1,000
14	Anthracene	NA	NA	NA	NA	NA		1,000
15	Benzo(A)anthracene	NA	NA	NA	NA	NA		0.22
16	Benzo(A)pyrene	NA	NA	NA	NA	NA		0.022
17	Benzo(K)fluoranthene	NA	NA	NA	NA	NA		2.2
18	Benzo (g,h,i)perylene	NA	NA	NA	NA	NA		
19	Benzo (k) fluoranthene	NA	NA	NA	NA	NA		
20	Bis(2-chloroethoxy)menthane	NA	NA	NA	NA	NA		
21	Chrysene	NA	NA	NA	NA	NA		22
22	Dibenzo(A,H)anthracene	NA	NA	NA	NA	NA		0.022
23	Fluoranthene	NA	NA	NA	NA	NA		1,000
24	Fluorene	NA	NA	NA	NA	NA		1,000
25	Indeno(1,2,3,C,D)pyrene	NA	NA	NA	NA	NA		0.22
26	Napthalene	NA	NA	NA	NA	NA		23
27	Phenanthrene	NA	NA	NA	NA	NA		
28	Pyrene	NA	NA	NA	NA	NA		1,000
29	Arsenic	NA	NA	NA	NA	2.5		0.39
30	Barium	NA	NA	NA	NA	2420		15,000
31	Cadmium	NA	NA	NA	NA	0.55		70
32	Chromium	NA	NA	NA	NA	4.1		*
33	Copper	NA	NA	NA	NA	7.2		3,100
34	Lead	NA	NA	NA	NA	6.3		400
35	Mercury	NA	NA	NA	NA	ND		23
36	Nickel	NA	NA	NA	NA	13.1		1,600
37	Selenium	NA	NA	NA	NA	0.32		390
38	Silver	NA	NA	NA	NA	1.7		390
39	Zinc	NA	NA	NA	NA	35.6		23,000
40	Ec	1.54	4.67	NA	1.34	7.47		4 or 2XBKG
41	pH	7.06	7.48	NA	8.1	7.44		6-9
42	Calcium	110	260	350	92	666		
43	Magnesium	69.5	120	92.5	32	265		
44	Sodium	88.1	798	1138	304	1948		
45	SAR	1.62	10.3	14	7	16.2		

	A	B	C	D	E
1	BLE 1: Airport Area Site, Pod C South, Site Screening Results				
2	Analysis / Analyte	BKG	POD-C West	POD-C South	COGCC LIMIT - COGCC Table 910-1 Concentration Levels
3			4/6/2015		
4	Sample ID:		C West-1		
5	TPH - G (Gas)	ND	ND		500
6	TPH - D (diesel)	ND	ND		500
7	TPH - O (Oil range)	NA	119		500
8	Benzene	ND	ND		0.17
9	Toluene	ND	ND		85
10	Ethylbenzene	ND	ND		100
11	Total Xylenes	ND	ND		175
12	Acenaphthene	NA	NA		
13	Acenaphthylene	NA	NA		1,000
14	Anthracene	NA	NA		1,000
15	Benzo(A)anthracene	NA	NA		0.22
16	Benzo(A)pyrene	NA	NA		0.022
17	Benzo(K)fluoranthene	NA	NA		2.2
18	Benzo (g,h,i)perylene	NA	NA		
19	Benzo (k) fluoranthene	NA	NA		
20	Bis(2-chloroethoxy)menthane	NA	NA		
21	Chrysene	NA	NA		22
22	Dibenzo(A,H)anthracene	NA	NA		0.022
23	Fluoranthene	NA	NA		1,000
24	Fluorene	NA	NA		1,000
25	Indeno(1,2,3,C,D)pyrene	NA	NA		0.22
26	Napthalene	NA	NA		23
27	Phenanthrene	NA	NA		
28	Pyrene	NA	NA		1,000
29	Arsenic	NA	6.7		0.39
30	Barium	NA	3310		15,000
31	Cadmium	NA	0.6		70
32	Chromium	NA	8.1		*
33	Copper	NA	10.5		3,100
34	Lead	NA	8		400
35	Mercury	NA	0.048		23
36	Nickel	NA	13.3		1,600
37	Selenium	NA	0.1		390
38	Silver	NA	4		390
39	Zinc	NA	51.2		23,000
40	Ec	1.54	9.64		4 or 2XBKG
41	pH	7.06	7.82		6-9
42	Calcium	110	214		
43	Magnesium	69.5	57.5		
44	Sodium	88.1	335		
45	SAR	1.62	5.3		
46	* ND: Results below method reporting limit (see lab analysis sheet for individual analyte); NA: Not Analyzed				

	A	B	C	D	E	F	G	H
1	TABLE 1: Airport Area Site, Pod D North, Site Screening Results							
2	Analysis / Analyte	BKG	POD-D North	POD-D North	POD-D North	POD-D North	POD-D North	COGCC LIMIT - COGCC Table 910-1 Concentration Levels
3			6/19/2013	12/1/2013	5/12/2013 4/4/2014	4/6/2015		mg/kg (unless indicated)
4	Sample ID >>>>					D-North-4		
5	TPH - G (Gas) (mg/Kg)	ND	ND	ND	NA	ND		500
6	TPH - D (diesel) (mg/Kg)	ND	ND	ND	NA	ND		500
7	TPH - O (Oil range) (mg/Kg)	NA	NA	430	NA	243		500
8	Benzene (ug/Kg)	ND	ND	ND	NA	ND		0.17
9	Toluene (ug/Kg)	ND	ND	ND	NA	ND		85
10	Ethylbenzene (ug/Kg)	ND	ND	ND	NA	ND		100
11	Total Xylenes (ug/Kg)	ND	ND	ND	NA	ND		175
12	Acenaphthene (ug/Kg)	NA	NA	NA	ND	NA		
13	Acenaphthylene (ug/Kg)	NA	NA	NA	ND	NA		1,000
14	Anthracene (ug/Kg)	NA	NA	NA	ND	NA		1,000
15	Benzo(A)anthracene (ug/Kg)	NA	NA	NA	ND	NA		0.22
16	Benzo(A)pyrene (ug/Kg)	NA	NA	NA	ND	NA		0.022
17	Benzo(b)fluoranthene (ug/Kg)	NA	NA	NA	ND	NA		2.2
18	Benzo (k) fluoranthene (ug/Kg)	NA	NA	NA	ND	NA		
19	Bis(2-chloroethoxy)menthane (ug/Kg)	NA	NA	NA	ND	NA		
20	Chrysene (ug/Kg)	NA	NA	NA	28.3	NA		22
21	Dibenzo(A,H)anthracene (ug/Kg)	NA	NA	NA	ND	NA		0.022
22	Fluoranthene (ug/Kg)	NA	NA	NA	ND	NA		1,000
23	Fluorene (ug/Kg)	NA	NA	NA	ND	NA		1,000
24	Indeno(1,2,3,C,D)pyrene (ug/Kg)	NA	NA	NA	ND	NA		0.22
25	1-Methylnaphthalene (ug/Kg)	NA	NA	NA	40.8	NA		
26	2-Methylnaphthalene (ug/Kg)	NA	NA	NA	48.8	NA		
27	Napthalene (ug/Kg)	NA	NA	NA	26.9	NA		23
28	Phenanthrene (ug/Kg)	NA	NA	NA	30.4	NA		
29	Pyrene (ug/Kg)	NA	NA	NA	ND	NA		1,000
30	Arsenic (mg/Kg)	NA	NA	NA	< 2.8	6.7		0.39
31	Barium (mg/Kg)	NA	NA	NA	122	1535		15,000
32	Cadmium (mg/Kg)	NA	NA	NA	0.58	0.69		70
33	Chromium (mg/Kg)	NA	NA	NA	7.3	5.6		*
34	Copper (mg/Kg)	NA	NA	NA	11	15.9		3,100
35	Lead (mg/Kg)	NA	NA	NA	15.3	10.6		400
36	Mercury (mg/Kg)	NA	NA	NA	<0.096	0.024		23
37	Nickel (mg/Kg)	NA	NA	NA	8.3	24.2		1,600
38	Selenium (mg/Kg)	NA	NA	NA	<5.5	<5.5		390
39	Silver (mg/Kg)	NA	NA	NA	0.8	0.8		390
40	Zinc (mg/Kg)	NA	NA	NA	75	75		23,000
41	EC (mmhos/sq cm)	1.54	6.49	NA	6.86	12.73		4 or 2XBKG
42	pH	7.06	7.41	NA	7.6	7.56		6-9
43	Calcium (mg/Kg)	110	396	141	468	753		
44	Magnesium (mg/Kg)	69.5	127	270	338	278		
45	Sodium (mg/Kg)	88.1	2665	1135	1196	1635		
46	SAR	1.62	29.8	12.9	10.3	12.9		12

* ND: Results below method reporting limit (see lab analysis sheet for individual analyte); NA: Not Analyzed



See figure 2 for the approximate location of the 4 aliquot sample locations for each pod that were mixed to form the composite sample from each pod.

DELINEATION OF POD SAMPLE AREAS - APRIL 2015

GREAT WESTERN - AIRPORT AREA

DRILLING MUD BENEFICIAL RE-USE SITE

Portion of E1/2, SECTION 35, T6N, R65W WELD, CO.

From Aerial Photograph
Mapcard Internet Website

MAHONEY ENVIRONMENTAL CONSULTING, INC.
1601 10th AVENUE, GREELEY, CO 80631
(970) 352-2644 (TEL) (888)-219-5357 (FAX)

Project No: 2015.125

Boundaries are approximate,
Scale 1:12,500



Note lab samples consisted of upto 4 composite aliquot samples. The approximate location of the respective aliquot samples are illustrated for each POD.

Composite Sample #, Aliquots ID for each POD

POD -C north C: -1N, 2N, 3N, 4N

POD -D north D: -1N, 2N, 3N, 4N

Sampling locations also apply to the March / April 2014 follow-up sampling,

Composite Sample #, Aliquots ID for each POD

POD-C South C: 1S, 2S, 3S, 4S

POD-D South D: 1S, 2S, 3S, 4S

COMPOSITE SURFACE SOIL SAMPLE LOCATIONS - December April 2015

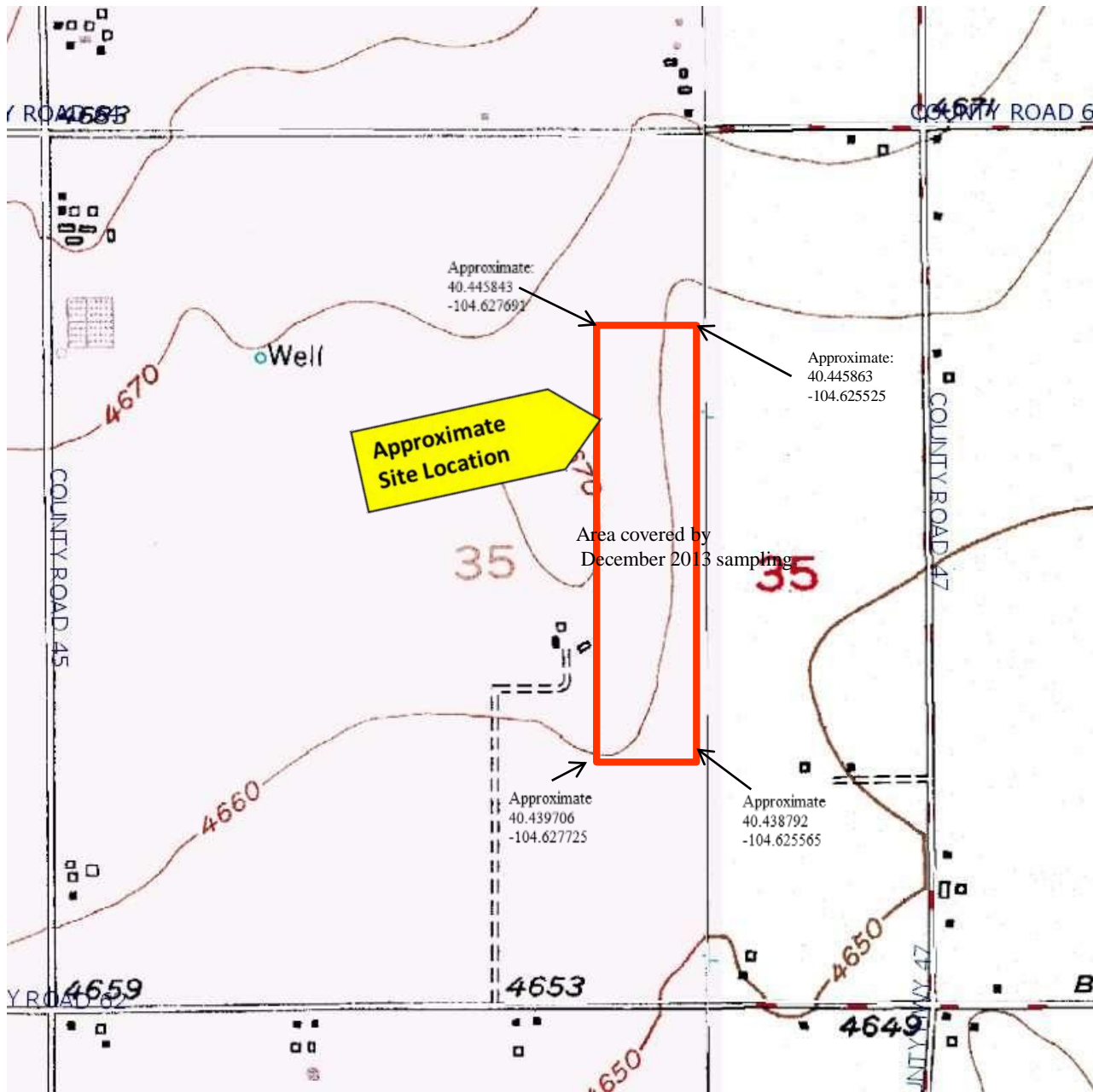
GREAT WESTERN - AIRPORT AREA
DRILLING MUD BENEFICIAL RE-USE SITE
SECTION 35, T6N, R65W WELD, CO.

From Aerial Photograph
Mapcard Internet Website

MAHONEY ENVIRONMENTAL CONSULTING, INC.
1601 10th AVENUE, GREELEY, CO 80631
(970) 352-2644 (TEL) (888)-219-5357 (FAX)

Project No: 2015..125

Boundaries are approximate,
Scale 1:12,500



TOPOGRAPHIC MAP

GREAT WESTERN - AIRPORT AREA
 DRILLING MUD BENEFICIAL RE-USE SITE
 SECTION 35, T6N, R65W WELD, CO.

From USGS Map

MAHONEY ENVIRONMENTAL CONSULTING, INC.
 1601 10th AVENUE, GREELEY, CO 80631
 (970) 352-2644 (TEL) (888)-219-5357 (FAX)

Project No: 2013.INT-GW1

Boundaries are approximate,
 Scale 1:12,500

April 27, 2015

Total Oil Range Hydrocarbons (C29-C40)

Method No. SW8015M

Laboratory No. E15103-3

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Date Sampled: 4/6/2015

Date Received: 4/7/2015

Date Prepared: 4/10/2015

Sample ID	Analysis Date	Moisture (%)	Dilution Factor	Surr. % Recov.	Sample Result	RL	Units
POD-C-North-4	4/13/2015	8.04	1.09	102.8	74.1	21.7	mg/kg -dry wt.
POD-C-South-4	4/13/2015	8.43	1.09	93.2	105	21.8	mg/kg -dry wt.
POD-D-North-4	4/13/2015	9.22	1.10	109.1	243	22.0	mg/kg -dry wt.
POD-D-South-4	4/13/2015	8.66	1.09	88.2	207	21.9	mg/kg -dry wt.
POD-C-West-1	4/13/2015	8.97	1.10	106.8	119	22.0	mg/kg -dry wt.

Surrogate QC Limits: 46-141 (1,2,4-Trichlorobenzene Surrogate)

Qualifiers:

U=Compound analyzed for but not detected

S=Spike Recovery outside accepted recovery limits

J=Indicates an estimated value when compound is detected

Definitions:

RL=Reporting Limit

TVH=Total Volatile Hydrocarbons

TEH=Total Extractable Hydrocarbons


Project Manager


Date

WELD LABORATORIES, INC.
1527 First Avenue • Greeley, Colorado 80631
Phone: (970) 353-8118 • Fax: (970) 353-1671
www.weldlabs.com

Sampling procedures can affect the value of analytical results - customers are advised to use appropriate sampling protocol to insure samples are truly representative of the bulk sample.

Sampling procedures can affect the value of analytical results - customers are advised to use appropriate sampling protocol to insure samples are truly representative of the bulk sample.

April 27, 2015

Mahoney Environmental
1601 10th Ave.
Greeley, CO 80631

Project: Great Western Mud Field Airport 2015.125

Laboratory No.: E15103-3

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Method EPA 602/SW8020 A, EPA 624/SW8015 and SW8260

Sample ID	Date Sampled	Date Analyzed	Benzene	Toluene	Ethyl-benzene	o,p-Xylene	m-Xylene	TVPH	Surrogate Recovery
			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg	%
POD-C-North-4	04/06/15	04/10/15	U	U	U	U	U	U	102.0
POD-C-South-4	04/06/15	04/10/15	U	U	U	U	U	U	94.5
POD-D-North-4	04/06/15	04/10/15	U	U	U	U	U	U	87.0
POD-D-South-4	04/06/15	04/10/15	U	U	U	U	U	U	107.1
POD-C-West-1	04/06/15	04/10/15	U	U	U	U	U	U	111.2

Reporting Limit:

4

4

4

4

4

1

QC Limits: 74-147

U=Compound analyzed for but not detected

J=Compound detected at a level below reporting limit.


Project Manager

4/27/15
Date

1527 First Avenue • Greeley, Colorado 80631
Phone: (970) 353-8118 • Fax: (970) 353-1671
www.weldlabs.com

WELD LABORATORIES, INC.

April 27, 2015

Diesel Fuel (No. 2)
Total Extractable Hydrocarbons (Diesel C:11-C28)

Method No. SW8015M

Laboratory No. E15103-3

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Date Sampled: 4/6/2015

Date Received: 4/7/2015

Date Prepared: 4/10/2015

Sample ID	Analysis Date	Moisture (%)	Dilution Factor	Surr. % Recov.	Sample Result	RL	Units
POD-C-North-4	4/13/2015	8.04	1.09	102.8	U	21.7	mg/kg -dry wt.
POD-C-South-4	4/13/2015	8.43	1.09	93.2	U	21.8	mg/kg -dry wt.
POD-D-North-4	4/13/2015	9.22	1.10	109.1	U	22.0	mg/kg -dry wt.
POD-D-South-4	4/13/2015	8.66	1.09	88.2	U	21.9	mg/kg -dry wt.
POD-C-West-1	4/13/2015	8.97	1.10	106.8	U	22.0	mg/kg -dry wt.

Surrogate QC Limits: 46-141 (1,2,4-Trichlorobenzene Surrogate)

Qualifiers:

U=Compound analyzed for but not detected

S=Spike Recovery outside accepted recovery limits

J=Indicates an estimated value when compound is detected

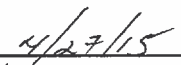
Definitions:

RL=Reporting Limit

TVH=Total Volatile Hydrocarbons

TEH=Total Extractable Hydrocarbons


Project Manager


Date

WELD LABORATORIES, INC.
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April 27, 2015

Mahoney Environmental Consulting, Inc.

1601 10th Ave.

Greeley, CO 80631

Laboratory No. E15103-3 (1 of 4)

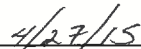
Date Sampled: 4/6/2015

Date Received: 4/7/2015

Project: Great Western Mud Field Airport 2015.125

Sample ID	POD-C- North-4	POD-C- South-4	POD-D- North-4	POD-D- South-4	POD-C- West-1
pH (SI)	7.62	7.44	7.56	7.64	7.82
EC (mmhos/cm)	2.78	7.47	12.73	12.55	9.64
Calcium (mg/kg)	526	666	753	623	214
Magnesium (mg/kg)	151	265	278	154	57.5
Sodium (mg/kg)	1755	1948	1635	875	335
SAR	17.4	16.2	12.9	8.1	5.3
Arsenic (mg/kg)	5.2	2.5	6.7	2.7	6.7
Barium (mg/kg)	714	2420	1535	3026	3310
Cadmium (mg/kg)	0.39	0.55	0.69	0.54	0.60
Chromium (mg/kg)	3.6	4.1	5.6	3.9	8.1
Copper (mg/kg)	5.9	7.2	15.9	10.2	10.5
Lead (mg/kg)	5.7	6.3	10.6	5.8	8.0
Mercury (mg/kg)	0.019	ND	0.024	0.016	0.048
Nickel (mg/kg)	9.3	13.1	24.2	5.9	13.3
Selenium (mg/kg)	0.13	0.32	0.16	0.09	0.10
Silver (mg/kg)	1.3	1.7	4.3	3.7	4.0
Zinc (mg/kg)	22.6	35.6	48.9	29.5	51.2


Project Manager


4/27/15

Chain of Custody Record

MEM: WESTERN M.D. Field Airport

Weld Laboratories, Inc.
 1527 1st Avenue Established 1978
 Greeley, CO 80631-5936
 Phone: (970)353-8118 Fax: (970) 353-1671

COMPANY NAME Mahoney Env Consulting

CONTACT NAME John Mahoney

TELEPHONE NO. 70381-3951 888-219-5357 fx

Samplers: Print Name <u>John Mahoney</u>		Signature <u>[Signature]</u>		ANALYSIS														REMARKS				
Project No: <u>2015-125</u>		Composite	Grab	Date	Time	Sample Type				No. of Containers and Type	ANALYSIS											
SAMPLE ID	SAMPLE LOCATION					Water	Liquid	Oil	Solid		SAR	pH/EC	As	Ba	Cd	Cr	Cu		Pb	Hg	Ni	Ag
POD-C-NORTH-4		L		4/6/15					✓	2	✓	✓	✓	✓	✓	✓	✓	✓	✓			
POD-C-SOUTH-4		L		4/6/15					✓	2	✓	✓	✓	✓	✓	✓	✓	✓	✓			
POD-D-NORTH-4		L		4/6/15					✓	2	✓	✓	✓	✓	✓	✓	✓	✓	✓			
POD-D-SOUTH-4		L		4/6/15					✓	2	✓	✓	✓	✓	✓	✓	✓	✓	✓			
POD-C-WEST-1		L		4/6/15					✓	2	✓	✓	✓	✓	✓	✓	✓	✓	✓			

COMMENTS:

Relinquished by: (Signature) <u>[Signature]</u>		Received by: (Signature)		Date	Time
Relinquished by: (Signature)		Received by: (Signature)		Date	Time
Dispatched by: (Signature)	Date: <u>4/7/15</u>	Time: <u>6 PM</u>	Received for Laboratory by: <u>[Signature]</u>	Date: <u>4/7/15</u>	Time: <u>6 PM</u>
Method of Shipment: <u>Delivered by FedEx</u>					