

Bratcher, Mike, EMNRD

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Monday, January 21, 2013 5:07 PM
To: Bratcher, Mike, EMNRD
Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Oxy-Winston Gas Com Battery-Remediation Plan
Attachments: Remediation Packet-Winston Gas Com-2.pdf

Mike,

This e-mail is to confirm our discussion on December 17, 2012 and January 14, 2013 concerning the remediation plan for the release that occurred at the Oxy Winston Gas Com Battery. I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Oxy will excavate 2 feet across the entire battery area inside the berms. Then, a 1 foot compacted clay liner will be installed and then the excavation will be backfilled with clean soil. The depth to groundwater in this area is less than 50 feet.

If you would please reply back via e-mail with your concurrence of this remediation plan, it would be greatly appreciated.

Oxy and I thank you for your assistance in handling this matter.

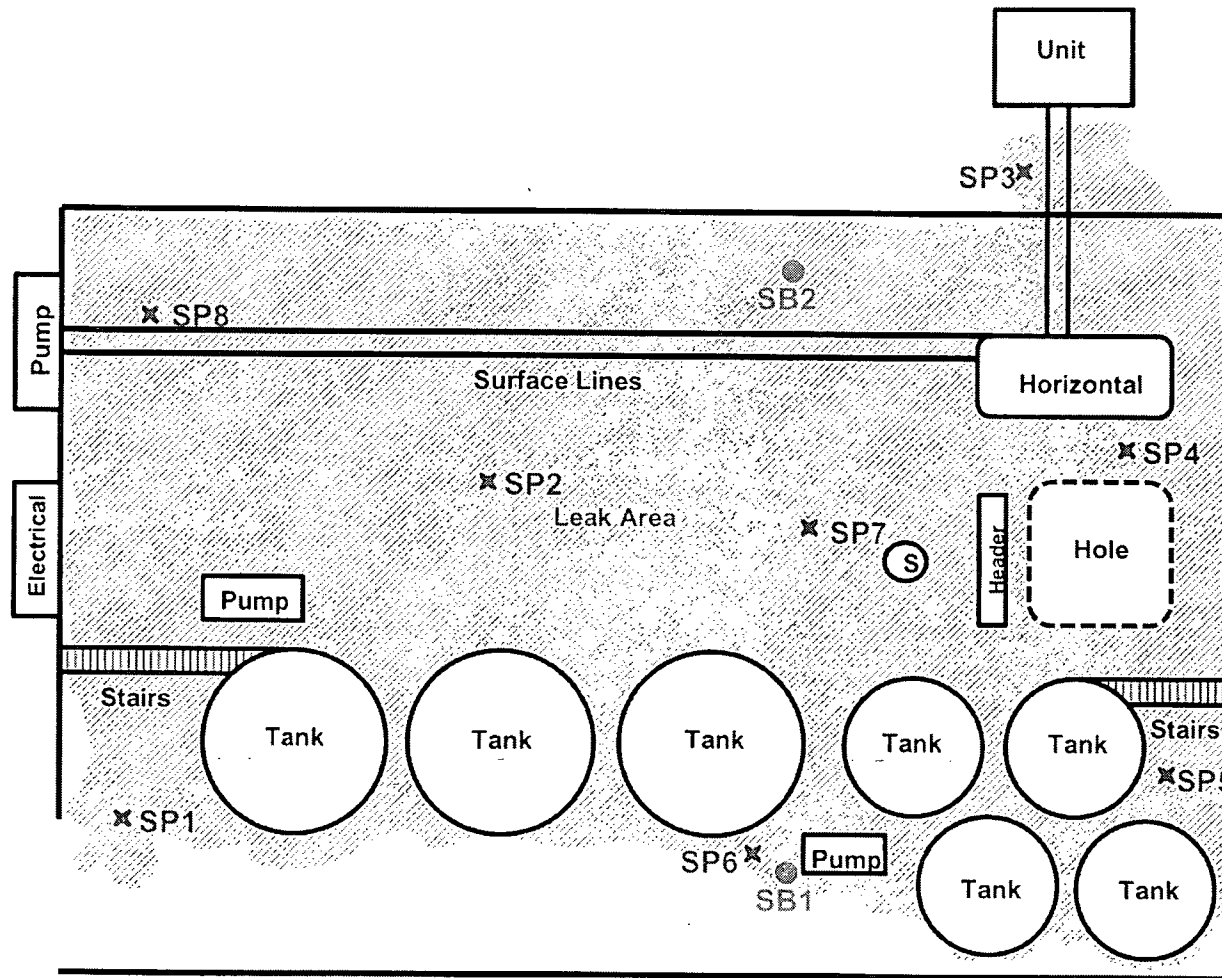
Thanks, Cliff

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Oxy
Winston Gas Com Battery



U/L B, Section 31, T21S, R24E
Eddy County, NM
N 32.441° W 104.536°

BBC International, Inc.	
Oxy Winston Gas Com Battery	
Date: 08/30/2012	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2012

Laboratory Analytical Results Summary
Oxy, Winston Gas Com Battery

		Sample	SP6 @ 1'
Analyte	Method	Date	8/30/12
			mg/Kg
Benzene	BTEX 8021B		<0.200
Toluene	BTEX 8021B		2.7
Ethylbenzene	BTEX 8021B		5.98
Total Xylenes	BTEX 8021B		51.4
Chloride	SM4500Cl-B		96
GRO	TPH 8015M		3080
DRO	TPH 8015M		9180

		Sample	SP7 @ 1'	SP7 @ 3'
Analyte	Method	Date	8/30/12	8/30/12
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.200
Toluene	BTEX 8021B		0.984	0.435
Ethylbenzene	BTEX 8021B		2.34	1.11
Total Xylenes	BTEX 8021B		8.87	5.65
Chloride	SM4500Cl-B		160	128
GRO	TPH 8015M		874	207
DRO	TPH 8015M		4780	1750

		Sample	SP8 @ 1'	SP8 @ 3'	SP8 @ 5'
Analyte	Method	Date	8/30/12	8/30/12	8/3/12
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.141	<0.050	0.12
Ethylbenzene	BTEX 8021B		0.779	0.116	0.231
Total Xylenes	BTEX 8021B		3.43	0.665	1.07
Chloride	SM4500Cl-B		176	96	200
GRO	TPH 8015M		425	23.1	25.1
DRO	TPH 8015M		1910	256	178

Soil Boring		Sample	SB1 @ 3'	SB1 @ 5'	SB1 @ 7'	SB1 @ 10'	SB1 @ 15'	SB1 @ 20'	SB1 @ 25'
Analyte	Method	Date	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.426	0.217	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.649	0.745	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.547	0.699	<0.050	0.074	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		2.15	2.05	<0.150	0.227	<0.150	<0.150	<0.150
Chloride	SM4500Cl-B		65	16	16	32	16	48	32
GRO	TPH 8015M		19.1	101	<10.0	20.5	<10.0	<10.0	<10.0
DRO	TPH 8015M		201	438	211	372	26.4	41.7	29.4

Soil Boring		Sample	SB2 @ 5'	SB2 @ 7'	SB2 @ 10'	SB2 @ 15'	SB2 @ 20'
Analyte	Method	Date	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Chloride	SM4500Cl-B		32	32	16	16	32
GRO	TPH 8015M		15	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		292	153	32.8	95.7	36.5

Laboratory Analytical Results Summary
Oxy, Winston Gas Com Battery

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'
Analyte	Method	Date	8/29/12	8/29/12	8/29/12	8/29/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.151	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.845	0.055	<0.050	<0.050
Total Xylenes	BTEX 8021B		2.08	<0.150	<0.150	<0.150
Chloride	SM4500Cl-B		176	128	64	48
GRO	TPH 8015M		274	<10.0	<10.0	<10.0
DRO	TPH 8015M		1050	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 8'
Analyte	Method	Date	8/29/12	8/29/12	8/29/12	8/29/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.35	0.826	0.105	<0.050
Ethylbenzene	BTEX 8021B		0.935	0.717	0.327	0.191
Total Xylenes	BTEX 8021B		3.5	3.61	0.951	0.713
Chloride	SM4500Cl-B		16	<16.0	<16.0	48
GRO	TPH 8015M		221	64	42.6	23.7
DRO	TPH 8015M		1050	274	355	267

		Sample	SP3 @ 1'	SP3 @ 3'
Analyte	Method	Date	8/30/12	8/30/12
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.059	<0.050
Total Xylenes	BTEX 8021B		0.37	<0.150
Chloride	SM4500Cl-B		192	240
GRO	TPH 8015M		15.3	<10.0
DRO	TPH 8015M		136	24

		Sample	SP4 @ 1'	SP4 @ 3'
Analyte	Method	Date	8/30/12	8/30/12
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.074	2.29
Toluene	BTEX 8021B		0.464	27.1
Ethylbenzene	BTEX 8021B		0.997	29.7
Total Xylenes	BTEX 8021B		0.762	224
Chloride	SM4500Cl-B		208	352
GRO	TPH 8015M		43.2	5840
DRO	TPH 8015M		568	4330

		Sample	SP5 @ 1'	SP5 @ 3'	SP5 @ 4'
Analyte	Method	Date	8/30/12	8/30/12	8/30/12
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.243	0.207	0.253
Toluene	BTEX 8021B		3.75	3.69	2.79
Ethylbenzene	BTEX 8021B		4.31	3.83	3.32
Total Xylenes	BTEX 8021B		25.6	15.9	19.6
Chloride	SM4500Cl-B		16	<16.0	16
GRO	TPH 8015M		1920	1310	499
DRO	TPH 8015M		11200	7000	5070



Groundwater Plot

Oxy Winston Gas Com Btry (FWKO)

County
Eddy

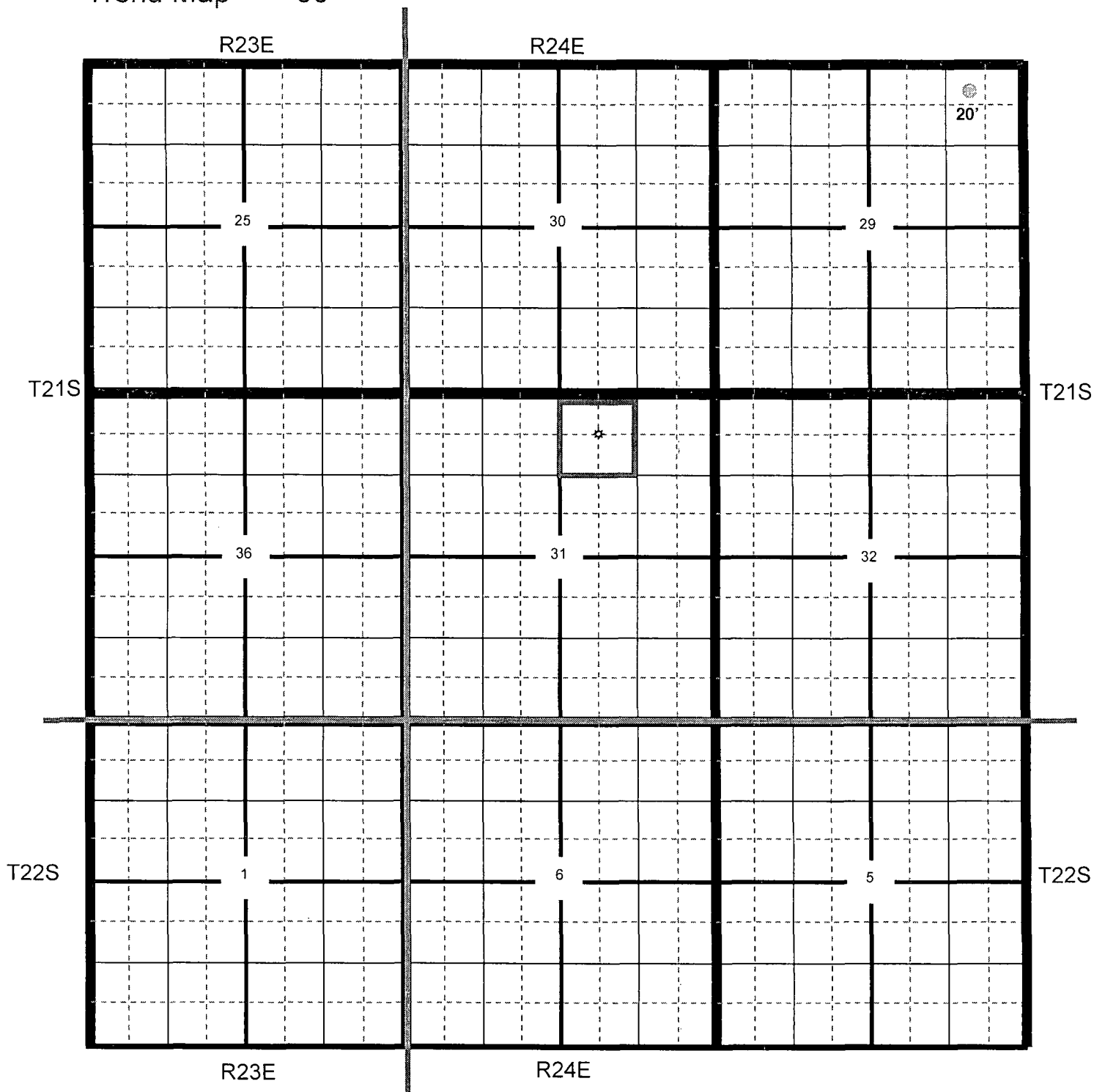
Unit Letter
B

Section
31

Township
21S

Range
24E

Trend Map <50'



★ Location

● OCD

● USGS

● SEO

● All Databases

Section Quarters

Oxy Winston Gas Com Btry (FWKO)

County Eddy Unit Letter B Section 31 Township 21S Range 24E

Trend Map <50'

1

2

NW/NW NONE	NE/NW	NW/NE ★	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

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