

Bratcher, Mike, EMNRD

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Friday, January 11, 2013 11:50 AM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Oxy-Sand Dunes 34 Federal #2 Central Tank Battery
Attachments: Remediation Packet-Sand Dunes 34-2.pdf; MX-2615N_20130111_114732.pdf

Mike,

On behalf of Oxy, BBC is submitting this remediation plan for the spill that occurred at the Sand Dunes 34 Fed #2 Central Tank Battery. I have attached a site diagram that depicts the spill area, sample points, and the areas to be remediated. Along with that there is a groundwater plot and lab data summary table. In addition, the original lab data is also attached. In addition, I have attached the approval from Jennifer Van Curen of the BLM for this plan.

Based on the analytical data, Oxy proposes to excavate the impacted soil inside the battery area to a depth of 2 feet (blue shading on drawing). Outside of the battery is an area that was impacted by over spray and this area will be surface scraped and restored to normal site conditions green shading on drawing). The excavation will then be backfilled with the appropriate material.

If you will please review at your earliest convenience and reply back via e-mail with the OCD's approval, it would be greatly appreciated. The site will then be scheduled to be remediated. If you have any questions, please contact me.

Thank you,

Cliff

Cliff P. Brunson, CEI, CRS
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World-Wide Environmental Specialists
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Subject: Re: Oxy-Sand Dunes 34 Fed #2 Central Tank Battery
Date: Wednesday, December 19, 2012 7:45:25 AM MT
From: Van Curen, Jennifer
To: Cliff P. Brunson
CC: C J Summers, Ken Swinney, Jennifer Gilkey, Kathy Purvis, James Amos

approved

JENNIFER E VAN CUREN
ENVIRONMENTAL PROTECTION SPECIALIST
DOI-BLM-CARLSBAD FIELD OFFICE
320 E GREENE ST. CARLSBAD, NM 88220
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CELL - 575-361-0042
FAX - 575-234-5927

On Sat, Dec 15, 2012 at 7:06 PM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Jennifer,

On behalf of Oxy, BBC is submitting this remediation plan for the spill that occurred at the Sand Dunes 34 Fed #2 Central Tank Battery. I have attached a site diagram that depicts the spill area, sample points, and the areas to be remediated. Along with that there is a groundwater plot and lab data summary table. In addition, the original lab data is also attached.

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If you will please review at your earliest convenience and reply back via e-mail with the BLM's approval, it would be greatly appreciated. The site will then be scheduled to be remediated. If you have any questions, please contact either myself or C J Summers with Oxy.

Thank you,

Cliff

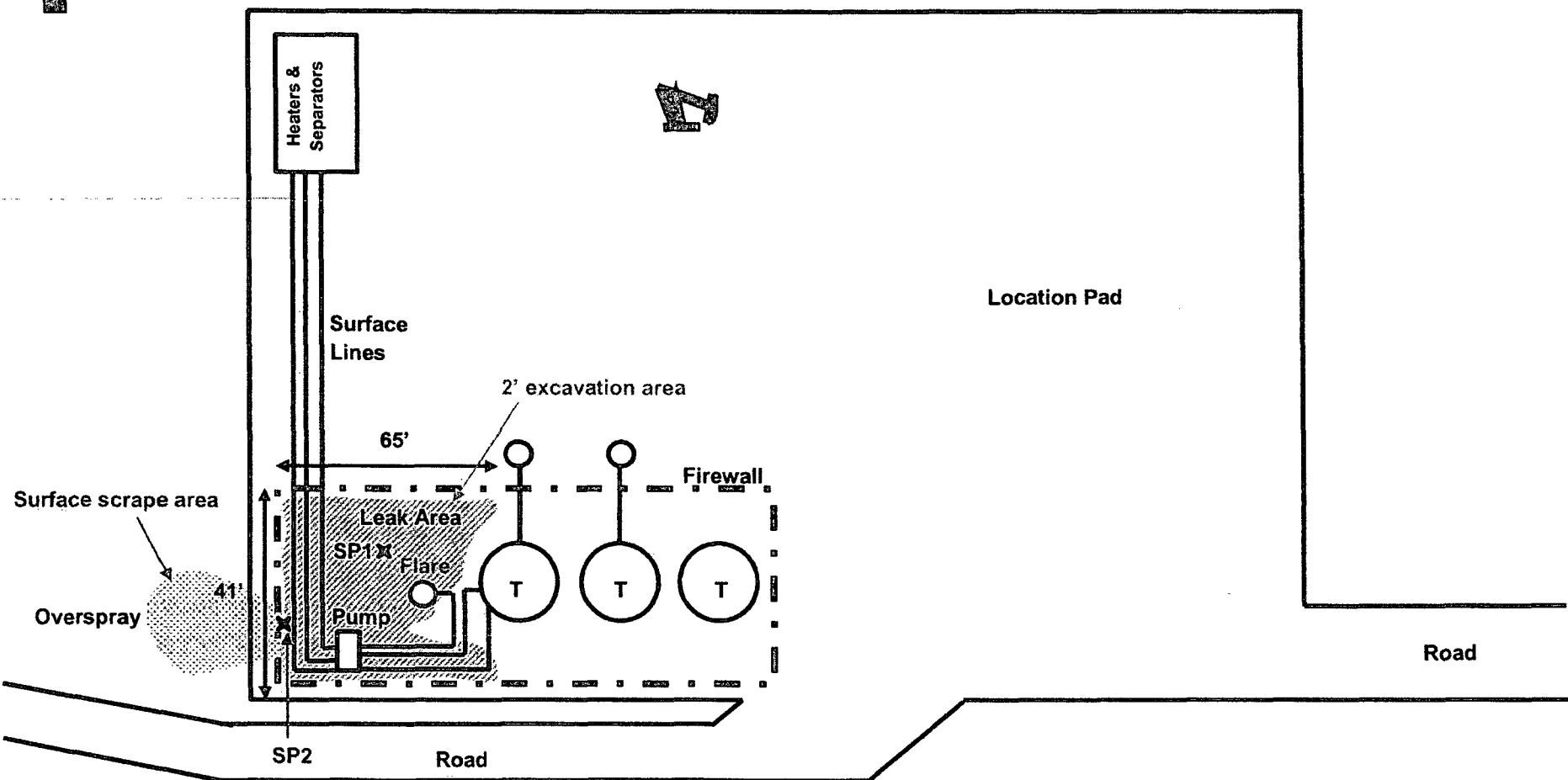
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Oxy

Sand Dunes 34 Federal #2 CTB



U/L H, Section 34, T23S, R31E
2310' FNL and 660' FEL
Eddy County, NM
N 32.26154° W 103.75952°
API# 30-015-27239 NM#43744



Leak Area- 2' excavation area



Overspray Area- Surface scrape area

BBC International, Inc.

Oxy

Sand Dunes 34 Fed #2 CTB

Date: 10/16/2012

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2012



Groundwater Plot

Oxy Sand Dunes 34 Federal #2 CTB

County
Eddy County

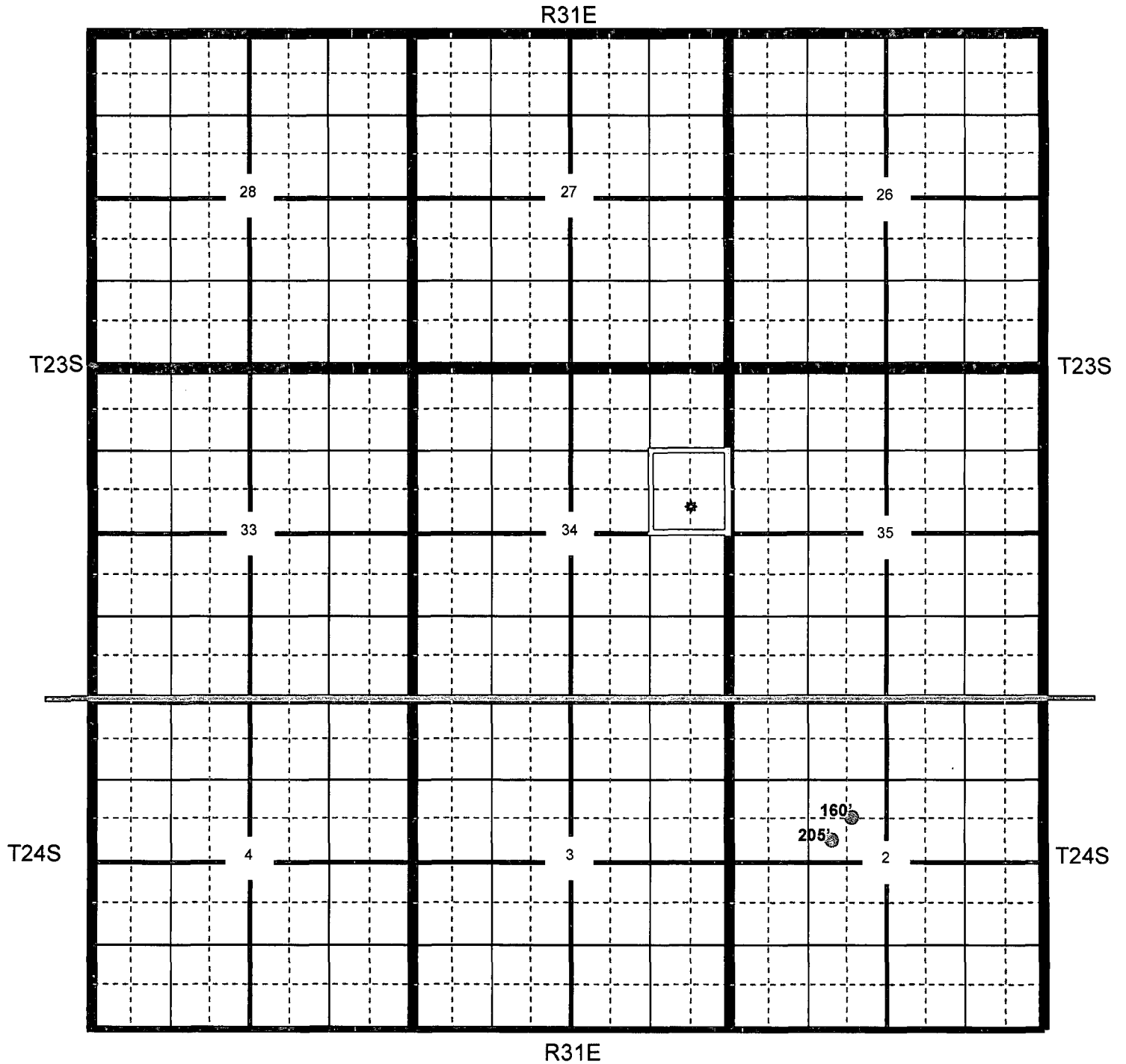
Unit Letter
H

Section
34

Township
23S

Range
31E

Trend Map 300'



★ Location

○ OCD

○ USGS

● SEO

● All Databases



Section Quarters

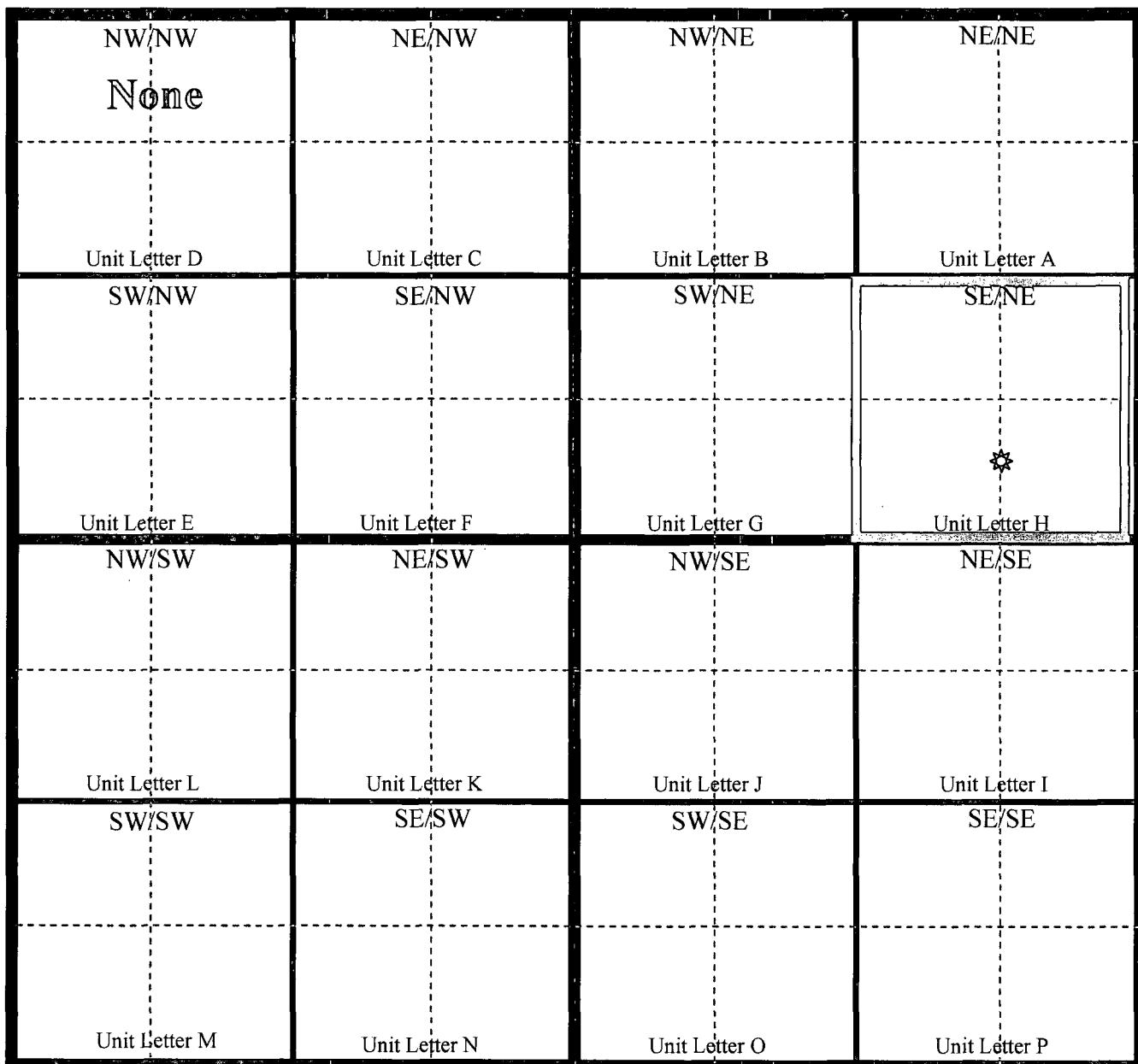
Oxy Sand Dunes 34 Federal #2 CTB

County Eddy Unit Letter H Section 34 Township 23S Range 31E

Trend Map 300'

1

2



3

4

★ Location

○ OCD

○ USGS

● SEO

● All Databases

Laboratory Analytical Results Summary
OXY, Sand Dunes 34 Fed #2 CTB

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 8'	SP1 @ 13'
Analyte	Method	Date	10/29/12	10/29/12	10/29/12	10/29/12	10/29/12	10/29/12	10/29/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.5	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.88	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		6.33	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		8.71	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		4880	784	48	256	192	864	122
GRO	TPH 8015M		597	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		9010	741	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 8'	SP2 @ 13'
Analyte	Method	Date	10/30/12	10/30/12	10/30/12	10/30/12	10/30/12	10/30/12	10/30/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.064	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.805	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		2.58	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		8.82	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		12.3	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		4880	656	528	192	224	832	80
GRO	TPH 8015M		584	<10.0	10	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		6840	709	435	<10.0	<10.0	<10.0	<10.0