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JUN 16 2010
NMOCD ARTESIA

Airport 35-1 Spill Remediation Proposal

Spill date: 4-4-2010

Mike Bratcher
NMOCD
Artesia, NM

Mr. Bratcher,

On April 4, 2010 Oxy reported a release of Crude Oil and Produced Water in the amount of 45 barrels. Of these 45 barrels 30 barrels were recovered. Talon LPE was dispatched to delineate this site at the time of the spill. Attached to this proposal is a chart of the delineation results, and the lab analytical that verify these concentrations. Also attached to this form is a copy of the initial C-141 document and a plat map showing the contamination area and sample points. Due to the groundwater in excess of 100' bgs, and due the ranking criteria at 0 points, Oxy proposes to remove 4.5 feet of material in the area of Sample Point A, 1 foot of material at Sample Point B, and 1 foot at sample point D. This area will then be backfilled clean caliche. If any questions arise please feel free to contact me as my information is listed below.

Thanks,



Kelton Beard
HES Spec.
Oxy Mid-Con SW
Carlsbad, NM
575-390-1903

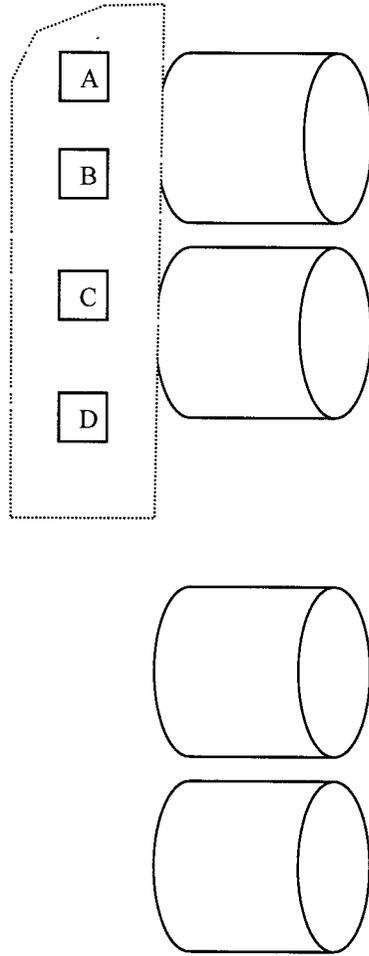
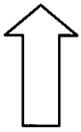
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Sample Results- in PPM

Sample Points	Chlorides	TPH	BTEX
A-surface	576		
-4'bgs	12,400		
-8'bgs	400	180	<1
B-Surface	10,800		
-8'bgs	400	295	<1
C-surface	48	51,500	279
-2'bgs	96	704	20
D-surface	64	43,850	206
-2'bgs	16		
-4'bgs		121	2

Map of Airport 35-1 Battery

North



ANALYTICAL RESULTS FOR
TALON LPE
ATTN: KYLE SUMMERS
408 WEST TEXAS AVE.
ARTESIA, NM 88210
FAX TO: (575) 746-8905

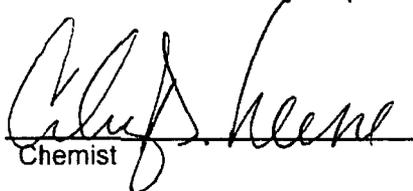
Receiving Date: 04/30/10
Reporting Date: 05/03/10
Project Number: 700608.011.01
Project Name: AIRPORT 35 FED 1 BATTERY
Project Location: EDDY CO., NM

Analysis Date: 05/03/10
Sampling Date: 04/27/10
Sample Type: SOIL
Sample Condition: INTACT @ 16°C
Sample Received By: JH
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/kg)
H19789-1	A-SURFACE	576
H19789-2	A-2'	1,280
H19789-3	A-4'	12,400
H19789-4	B-SURFACE	10,800
H19789-5	B-2'	5,360
H19789-6	B-4'	2,400
H19789-7	C-SURFACE	48
H19789-8	C-2'	96
H19789-9	C-4'	368
H19789-10	D-SURFACE	64
H19789-11	D-2'	< 16
H19789-12	D-4'	16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl ⁻ B
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Note: Analyses performed on 1:4 w:v aqueous extracts.


Cheryl Keene
Chemist


Date 05/04/10

H19789 Talon LPE

ANALYTICAL RESULTS FOR
TALON/LPE
ATTN: KYLE SUMMERS
408 WEST TEXAS AVE
ARTESIA, NM 88210
FAX TO: (575) 746-8905

Receiving Date: 04/30/10
Reporting Date: 05/17/10
Project Number: 700608.011 01
Project Name: AIRPORT 35 FED 1 BATTERY
Project Location: EDDY CO, NM

Sampling Date: 04/27/10
Sample Type: SOIL
Sample Condition: INTACT @ 16°C
Sample Received By: JH
Analyzed By: AB/ZL

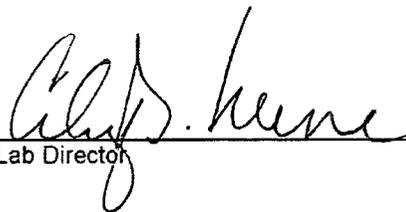
LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
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ANALYSIS DATE:		05/13/10	05/13/10	05/11/10	05/11/10	05/11/10	05/11/10
H19789-7	C-SURFACE	12,900	38,600	4.41	74.2	37.1	168
H19789-8	C 2'	110	594	0.168	6.39	2.45	11.2
H19789-10	D-SURFACE	7,250	36,600	4.66	71.6	24.3	110
H19789-11	D 2'	4,210	8,310	0.822	37.2	20.9	99.1
Quality Control		484	469	0.020	0.021	0.019	0.051
True Value QC		500	500	0.020	0.020	0.020	0.060
% Recovery		96.8	93.8	100	105	95.0	85.0
Relative Percent Difference		<0.1	1.7	7.7	7.1	13.3	16.2

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES. Not accredited for GRO/DRO. Reported on wet weight.

*Analyses added on 05/11/10 as per client.



Lab Director

05/18/10

Date

H19789 BTEXTPH TALON

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ANALYTICAL RESULTS FOR
 TALON/LPE
 ATTN: KYLE SUMMERS
 408 TEXAS ST.
 ARTESIA, NM 88210
 FAX TO: (575) 746-8905

Receiving Date: 05/26/10
 Reporting Date: 05/27/10
 Project Number: 700608.011.01
 Project Name: AIRPORT 35
 Project Location: EDDY CO., NM

Sampling Date: 05/25/10
 Sample Type: SOIL
 Sample Condition: COOL & INTACT @ 3°C
 Sample Received By: JH
 Analyzed By: AB/ZL

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
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ANALYSIS DATE	05/26/10	05/26/10	05/27/10	05/27/10	05/27/10	05/27/10
H19974-1 A-8'	21.4	158	<0.050	<0.050	0.420	3.07
Quality Control	486	488	0.017	0.016	0.018	0.055
True Value QC	500	500	0.020	0.020	0.020	0.060
% Recovery	97.2	97.6	85.0	80.0	90.0	91.7
Relative Percent Difference	1.1	5.1	<1.0	4.6	3.7	2.8

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO. Reported on wet weight.



 Lab Director

05/28/10

 Date

H19974 BTEXTPH TALON

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 ATTN: KYLE SUMMERS
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 FAX TO: (575) 746-8905

Receiving Date: 05/26/10
 Reporting Date: 05/27/10
 Project Number: 700608.011.01
 Project Name: AIRPORT 35
 Project Location: EDDY CO., NM

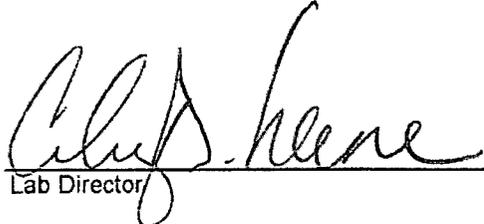
Sampling Date: 05/25/10
 Sample Type: SOIL
 Sample Condition: COOL & INTACT @ 3°C
 Sample Received By: JH
 Analyzed By: AB/ZL

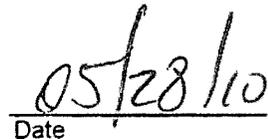
LAB NO.	SAMPLE ID	GRO (C ₈ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
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ANALYSIS DATE:		05/26/10	05/26/10	05/27/10	05/27/10	05/27/10	05/27/10
H19975-1 D-4'		10.6	111	<0.050	<0.050	0.225	1.80
Quality Control		486	488	0.017	0.016	0.018	0.055
True Value QC		500	500	0.020	0.020	0.020	0.060
% Recovery		97.2	97.6	85.0	80.0	90.0	91.7
Relative Percent Difference		1.1	5.1	<1.0	4.6	3.7	2.8

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO. Reported on wet weight.


 Lab Director


 Date

H19975 BTEXTPH TALON

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ANALYTICAL RESULTS FOR
 TALON/LPE
 ATTN: KYLE SUMMERS
 408 TEXAS ST.
 ARTESIA, NM 88210
 FAX TO: (575) 746-8905

 Receiving Date: 05/26/10
 Reporting Date: 06/01/10
 Project Number: 700608.011.01
 Project Name: AIRPORT 35
 Project Location: EDDY CO., NM

 Sampling Date: 05/25/10
 Sample Type: SOIL
 Sample Condition: COOL & INTACT @ 3°C
 Sample Received By: JH
 Analyzed By: AB/ZL

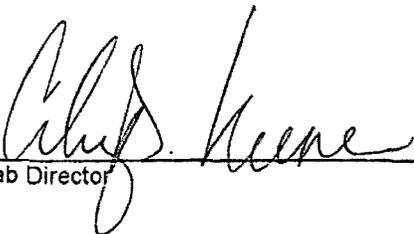
LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
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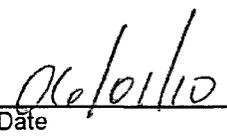
ANALYSIS DATE:	05/28/10	05/28/10	05/28/10	05/28/10	05/28/10	05/28/10	05/28/10
H19972-1* B-8'	26.1	269	<0.050	<0.050	0.120	0.816	
Quality Control	469	435	0.019	0.020	0.022	0.066	
True Value QC	500	500	0.020	0.020	0.020	0.060	
% Recovery	93.8	87.0	95.0	100	110	110	
Relative Percent Difference	0.5	7.2	4.9	9.1	6.1	4.5	

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021

 TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
 AND TOTAL XYLENES. Not accredited for GRO/DRO. Reported on wet weight.

*One or more TPH surrogates outside historical limits due to matrix interference.


 Lab Director


 Date

H19972 BTEXTPH TALON

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