NM1 - ____41____

MONITORING REPORT

YEAR(S):

2009

Arc Environmental

P. O. Box 1772 Lovington, New Mexico 88260 (575) 631-9310 Rozanne Johnson ~ rozanne@valornet.com

August 17, 2009

Mr. Brad Jones NMOCD Environmental 1220 S. Saint Francis Drive Santa Fe, New Mexico 87504

Mr. Jones,

Enclosed are the sampling results for the various cells at the Lazy Ace Landfarm, permit number 41, located in Lea County New Mexico. The samples were taken at approximately three feet below the cell lift and backfilled with clay.

Should you have any questions, please call.

Sincerely,

Rozanne Johnson

Arc Environmental, LLC

Enclosure: Copies of Analysis

Q3~2008 TPH & BTEX



ANALYTICAL RESULTS FOR LAZY ACE LANDFARM, LLC ATTN: DANNY BERRY

P.O. BOX 160 EUNICE, NM 88231 FAX TO: (575) 397-2267

Receiving Date: 09/29/08
Reporting Date: 10/01/08
Project Number: NOT GIVE

Project Number: NOT GIVEN

Project Name: LAZY ACE LANDFARM

Project Location: T20S R34E SEC 22M ~ LEA COUNTY-NEW MEXICO

Sampling Date: 09/26/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML 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)
ANALYSIS DATE:	09/30/08	09/30/08	09/30/08	09/30/08	09/30/08	09/30/08
H15999-1 CELL A-2	<25.0	<25.0	<0.050	<0.050	< 0.050	<0.150
H15999-2 CELL A-3	<25.0	<25.0	<0.050	<0.050	<0.050	<0.150
H15999-3 CELL A-4	<25.0	<25.0	<0.050	<0.050	< 0.050	<0.150
H15999-4 CELL X-1	<25.0	<25.0	<0.050	<0.050	<0.050	<0.150
Quality Control	545	480	0.052	0.048	0.048	0.157
True Value QC	500	500	0.050	0.050	0.050	0.150
% Recovery	109	96.0	104	96.0	96.0	105
Relative Percent Difference	17.6	6.0	13.5	1.6	1.0	5.5

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

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

Chemist

Date

10/02/08

H15999 BTEX8015 LA

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Q4 2008 ~ TPH, BTEX and WQCC metals



ANALYTICAL RESULTS FOR LAZY ACE LANDFARM, LLC ATTN: DANNY BERRY

P.O. BOX 160 EUNICE, NM 88231 FAX TO: (575) 397-2267

Receiving Date: 12/23/08
Reporting Date: 01/06/09
Project Number: NOT GIVEN

Project Number: NOT GIVEN

Project Name: LAZY ACE LANDFARM

Project Location: T20S R34E SEC 22M ~ LEA COUNTY-NEW MEXICO

Sampling Date: 12/22/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: AR/7I

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)
ANALYSIS DATE:	12/24/08	12/24/08	12/23/08	12/23/08	12/23/08	12/23/08
H16580-1 CELL A-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H16580-2 CELL A-2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H16580-3 CELL A-3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H16580-4 CELL A-4	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.300
H16580-5 CELL X-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
Quality Control	449	518	0.052	0.050	0.050	0.152
True Value QC	500	500	0.050	0.050	0.050	0.150
% Recovery	89.8	104	104	100	100	101
Relative Percent Difference	4.2	7.2	1.9	2.6	<1.0	<1.0

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

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

Chemist

Date

H16580 BTEX8015 LA



ANALYTICAL RESULTS FOR LAZY ACE LANDFARM, LLC

ATTN: DANNY BERRY P.O. BOX 160

EUNICE, NM 88231 FAX TO: (575) 397-2267

Receiving Date: 12/23/08 Reporting Date: 12/29/08 Project Number: NOT GIVEN

Project Name: LAZY ACE LANDFARM

Project Location: T20S R34E SEC 22M ~ LEA COUNTY-NEW MEXICO

Sampling Date: 12/22/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: TR

	Na	Ca	Mg	K	Conductivity*	T-Alkalinity
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(u S/cm)	(mgCaCO ₃ /kg)
ANALYSIS DATE:	12/26/08	12/26/08	12/26/08	12/26/08	12/24/08	12/26/08
H16580-1 CELL A-1.	<100	<200	. <100	9.6	83.0	32
H16580-2 CELL A-2	<100	<200	<100	8.2	81 5	64
H16580-3 CELL A-3	<100	<200	<100	8.7	62.8	64
H16580-4 CELL A-4	<100	<200	<100	8.3	93.5	112
H16580-5 CELL X-1	<100	<200	<100	7.8	55.3	48
Quality Control	NR	48.1	51.0	2.79	1,421	NR
True Value QC	NR	50.0	50.0	3.00	1,413	NR
% Recovery	NR	96.2	102	93.0	101	NR
Relative Percent Difference	NR	<0.1	<0.1	0.4	0.6	NR
METHODS:	SM3	3500-Ca-D	3500-Mg E	8049	120.1	310.1

	CI	SO ₄	CO ₃	HCO ₃	pH*
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(s.u.)
ANALYSIS DATE:	12/26/08	12/26/08	12/26/08	12/26/08	12/24/08
H16580-1 CELL A-1	<16	<250	0.0	39	7.89
H16580-2 CELL A-2	<16	<250	0.0	78	7.86
H16580-3 CELL A-3	<16	<250	` 0.0	78	8.05
H16580-4 CELL A-4	<16	<250	: 00	137	7.88
H16580-5 CELL X-1	<16	<250	0.0	59	8.17
Quality Control	500	44.1	NR	1000	7.01
True Value QC	500	40.0	NR	1000	7.00
% Recovery	100	110	NR	100	100
Relative Percent Difference	< 0.1	1.4	NR	<0.1	0.3
METHODS:	SM4500-CI-B	375.4	310.1	310.1	150.1

Note: Analyses performed on 1:4 aqueous extracts.

*Analyses performed on 1:1 aqueous extracts.



ANALYTICAL RESULTS FOR LAZY ACE LANDFARM, LLC ATTN: DANNY BERRY P.O. BOX 160 EUNICE, NM 88231 FAX TO: (575) 397-2267

Receiving Date: 12/23/08 Reporting Date: 01/05/09 Project Number: NOT GIVEN

Project Name: LAZY ACE LANDFARM

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Project Location: T20S R34E SEC 22M ~ LEA COUNTY, NM

Sampling Date: 12/22/08

Sample Type: SOIL

Sample Condition: COOL & INTACT Sample Received By: ML

Analyzed By: JM

RCRA METALS

LAB NO. SAMPLE ID	As mg/kg	Ag mg/kg	Ba mg/kg	Cd mg/kg	Cr mg/kg	Pb mg/kg	Hg mg/kg	Se mg/kg
ANALYSIS DATE:	12/29/08	12/29/08	12/29/08	12/29/08	12/29/08	12/29/08	12/30/08	12/29/08
H16580-1 CELL A-1	< 10.0	< 1.0	30.7	<1.0	8.0	< 5.0	< 0.1	< 20.0
H16580-2 CELL A-2	< 10.0	< 1.0	26.1	< 1.0	6.9	< 5.0	< 0.1	< 20.0
H16580-3 CELL A-3	< 10.0	< 1.0	36 2	< 1.0	9.6	< 5.0	< 0.1	< 20.0
H16580-4 CELL A-4	< 10.0	, < 1.0	28.4	< 1.0	7.7	< 5.0	< 0.1	< 20.0
H16580-5 CELL X-1	< 10.0	< 1.0	34.9	< 1.0	9.1	< 5.0	< 0.1	< 20.0
Quality Control	5.08	0.53	2.51	2.63	2.59	5.24	0.0020	10.4
True Value QC	5.00	0.50	2.50	2.50	2.50	5.00	0.0020	10.0
% Recovery	102	106	100	105	. 104	105	100	104
Relative Standard Deviation	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
METHODS: EPA 600/4-91/010	200.7	200.7	200.7	200.7	200.7	200.7	7471A	200.7

Note: Analyses subcontracted to Green Analytical Laboratories, a subsidiary of Cardinal Laboratories.

Chemist

Date

H16580M LAZY ACE

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Q1 ~ 2009 TPH & BTEX



ANALYTICAL RESULTS FOR LAZE ACE LANFARM, LLC ATTN: DANNY BERRY P.O. BOX 160

EUNICE, NM 88231 FAX TO: (575) 397-2267

Receiving Date: 04/01/09
Reporting Date: 04/06/09
Residet Number: NOT CIV

Project Number: NOT GIVEN

Project Name: LAZE ACE LANDFARM

Project Location: T20S R34E SEC22 M ~LEA CO. NM

Sampling Date: 03/26/09

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: 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)
ANALYSIS DATE:	04/02/09	04/02/09	04/02/09	04/02/09	04/02/09	04/02/09
H17175-1 CELL A-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H17175-2 CELL A-2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H17175-3 CELL A-3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H17175-4 CELL A-4	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H17175-5 CELL X-1	<10.0	<10 0	<0.050	<0.050	<0.050	<0.300
Quality Control	557	554	0.049	0.049	0.048	0.149
True Value QC	500	500	0.050	0.050	0.050	0.150
% Recovery	111	111	98.0	98.0	96.0	99.3
Relative Percent Difference	3.9	9.2	<1.0	2.0	1.2	<1.0

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

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

Lab Director

Date

Q2 ~ 2009 TPH & BTEX



ANALYTICAL RESULTS FOR LAZE ACE LANDFARM, LLC ATTN: DANNY BERRY P.O. BOX 160

EUNICE, NM 88231 FAX TO: (575) 397-2267

Receiving Date: 07/01/09 Reporting Date: 07/03/09

Project Number: NOT GIVEN

Project Name: LAZE ACE LANDFARM

Project Location: T20S R34E SEC22M ~LEA CO. NM

Sampling Date: 06/26/09

Sample Type: SOIL

Sample Condition. COOL & INTACT

@ 0.5°C

Sample Received By: ML

Analyzed By: ZL/AB

GRO DRO **ETHYL** TOTAL LAB NO. SAMPLE ID (C₆-C₁₀) (>C₁₀-C₂₈) BENZENE TOLUENE BENZENE **XYLENES** (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg)

ANALYSIS DATE:	07/01/09	07/01/09	07/02/09	07/02/09	07/02/09	07/02/09
H17733-1 CELL A-1	<10.0	<10.0	<0.050	<0 050	<0.050	<0.300
H17733-2 CELL A-2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H17733-3 CELL A-3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H17733-4 CELL A-4	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H17733-5 CELL X-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
Quality Control	600	591	0.058	0.057	0.059	0.172
True Value QC	500	500	0.050	0.050	0.050	0.150
% Recovery	120	118	116	114	118	115
Relative Percent Difference	9.9	7.0	5.4	5.4	5.1	4.8

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B. Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO Second autrogate for H17793-1 was subside historical limits due to matrix interference.

A DESCRIPTION

Date

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