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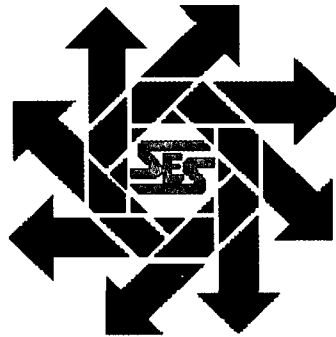
REPORTS

DATE:

2004

**Saga Petroleum LLC
Apollo SWD
Monitor Well Installation
Section 1, Township 17S, Range 36E
Lea County, New Mexico**

February 28, 2004



Prepared for:

**Saga Petroleum LLC
415 W. Wall, Suite 1900
Midland, Texas 79701**

By:

***Safety & Environmental Solutions, Inc.
703 E. Clinton Suite 102
Hobbs, New Mexico 88240
(505) 397-0510***

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I. Background

Safety & Environmental Solutions, Inc. (SESI) was contracted by Sage Petroleum LLC to perform a site investigation of the Apollo Salt Water Disposal Facility located in Lea County, New Mexico. The subject area is located in Section 1, Township 17S, Range 36E in Lea County, New Mexico. (See Figure 1) The initial investigation included the installation of 3 boreholes inside the diked area after removal of the tanks. The results of investigation were reported in the Site Investigation report dated January 21, 2004.

II. Surface and Ground Water

According to the database provided by the New Mexico State Engineer's Office groundwater of record in Section 1, Township 17S, Range 36 E, in Lea County, New Mexico is approximately 83 feet in depth. The monitor well installed at this site indicated that the top of the water is 92.04' bgs.

III. Soils

The surface soils in the area are predominantly sand and sandy loam.

IV. Work Performed

Installation of Groundwater Wells

On January 28, 2004 a monitor well was installed approximately 16' south of borehole #3 and just outside the berm. This location is directly between the facility and the City of Lovington water well. The well was drilled to a depth of 105'. Grab samples were retrieved every 10' to a depth of 95'. The samples were transported under Chain of Custody to Cardinal Laboratories of Hobbs, New Mexico for analysis. The samples were analyzed for Chlorides (EPA Method 4500-CLB). The results of the analysis are as follows:

ID	Cl ⁻
MW 1, 10'	2047
MW-1, 20'	1312
MW-1, 30'	944
MW-1, 40'	1008
MW-1, 50'	368

ID	Cl ⁻
MW 1, 60'	160
MW-1, 70'	96
MW-1, 80'	64
MW-1, 90'	64
MW-1, 95'	64

On February 4, 2004 the well was completed and a water sample was retrieved. The sample was transported under Chain of Custody to Cardinal Laboratories for analysis. The sample was analyzed for BTEX (EPA Method 8260), and Major Cations & Anions. The results of the analysis are as follows:

ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes
MW 1	<0.002	<0.002	<0.002	<0.006

ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (mS/cm)	T-Alkalinity (mgCaCO ₃ /L)

MW1	82	88	12	2.61	944	327
-----	----	----	----	------	-----	-----

ID	Cl (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
MW1	64	34	0	398	7.86	473

V. Conclusions

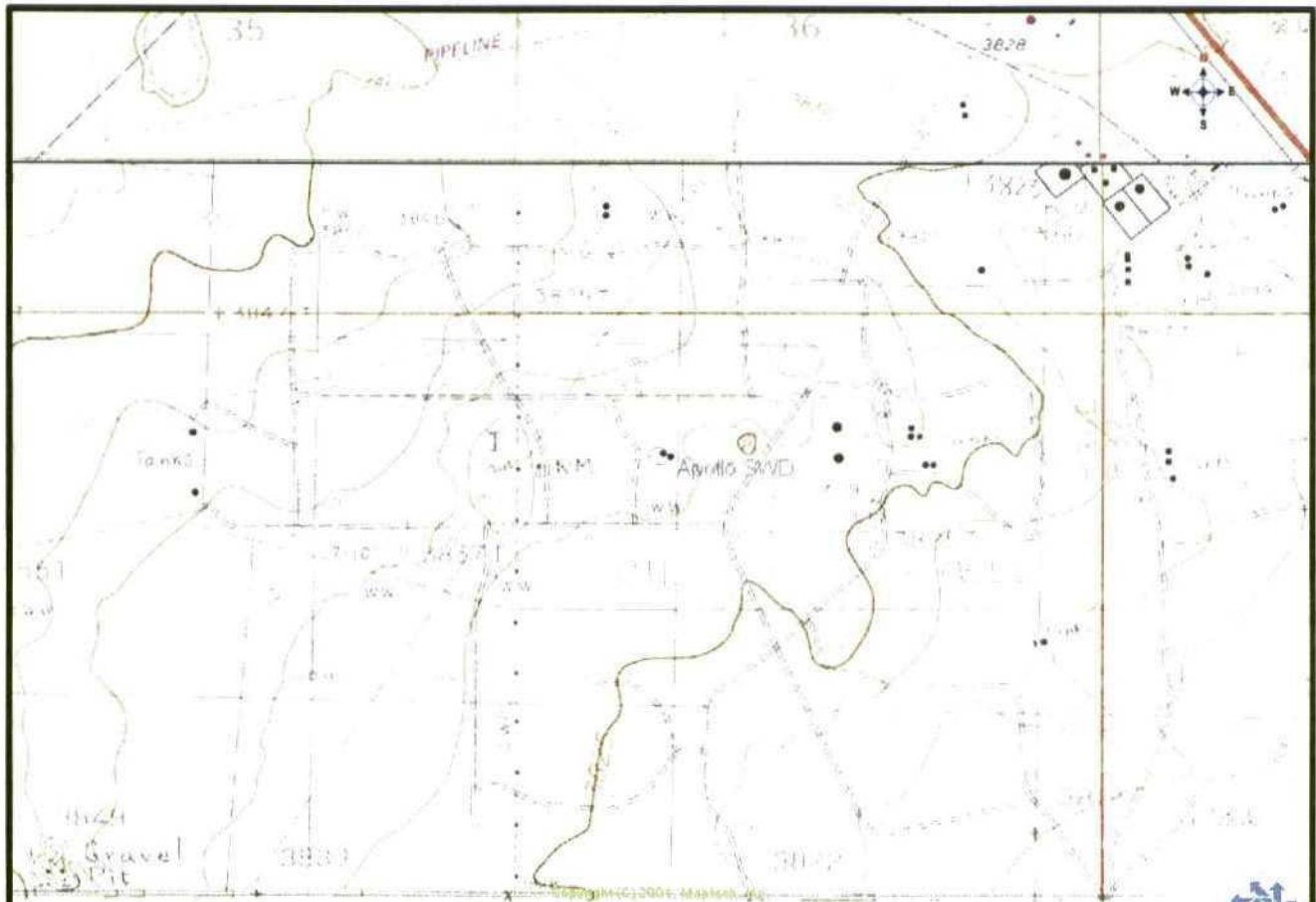
The results of the groundwater sampling indicated the soil samples indicate no chlorides or BTEX have reached the groundwater.

VI. Figures & Appendices

Figure 1 - Vicinity Map
Figure 2 - Site Plan
Figure 3 - Monitor Well Log
Appendix A - Analytical Results Soil
Appendix B - Analytical Results Water

Figure 1

Vicinity Map



Saga Petroleum

**Apollo SVD
S 1, T17S, R36E
Lea County, New Mexico**

Safety & Environmental Solutions, Inc.



Figure 2 Site Plan

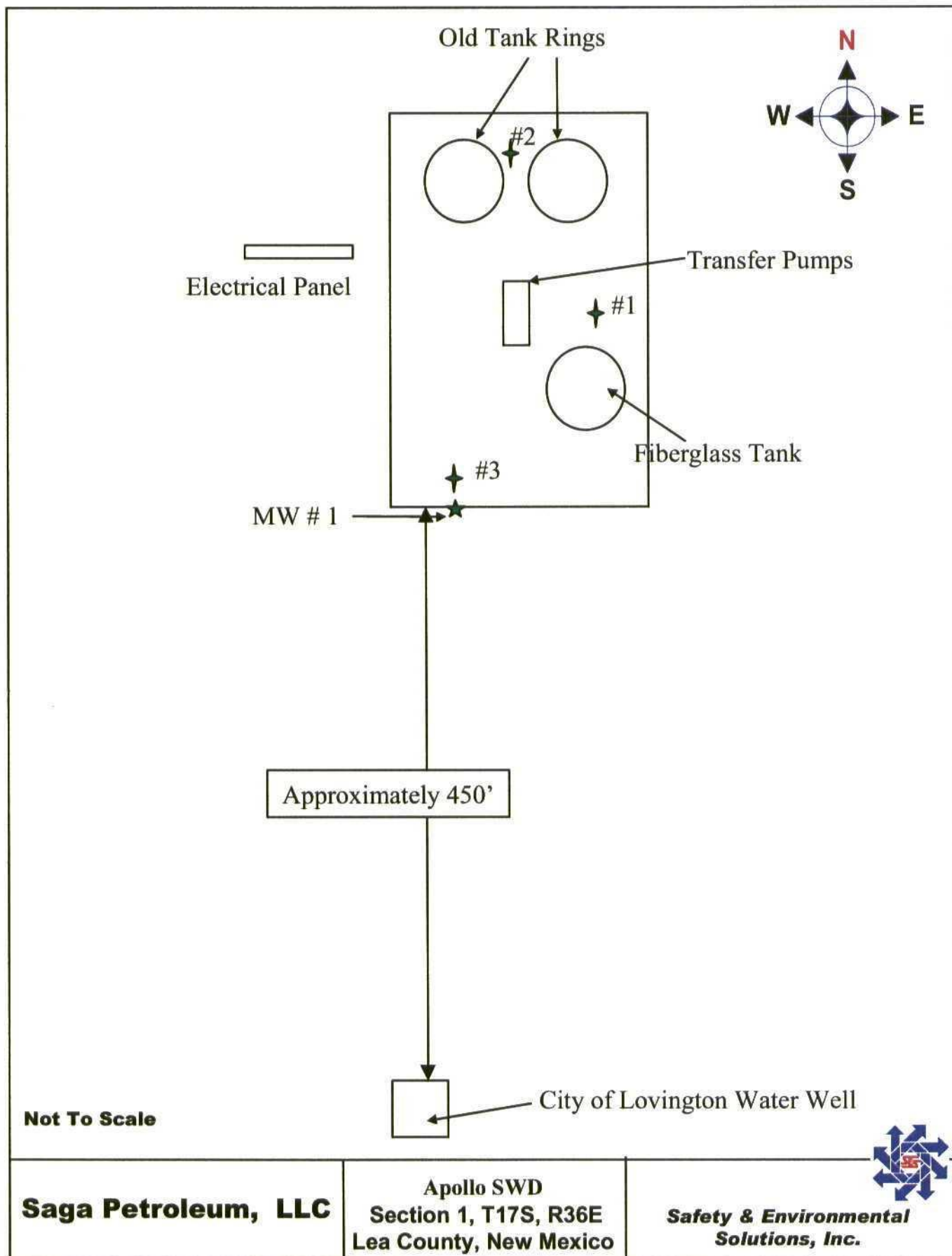


Figure 3
Monitor Well Log



**Safety & Environmental
Solutions, Inc.**

LOG OF MONITOR WELL MW-1

(Page 1 of 2)

Saga Petroleum, LLC
Apollo SWD
Section 1, T17S, R36E
Lea County, New Mexico

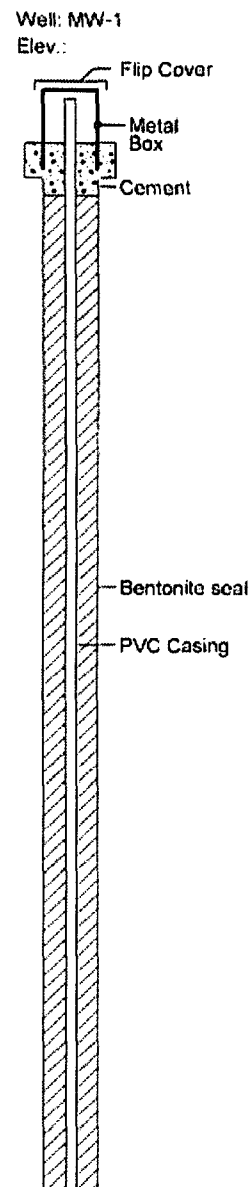
Date Started : 01/28/04
Date Completed : 01/28/04
Hole Diameter : 8 1/4 in.
Drilling Method : Hollow Stem Auger
Sample Method : 5 ft. Core barrel

Drilling Equipment : CME-75
Drilled By : ECO Drilling
Logged By : David Boyer, SESI
Sergio Contreras, SESI
Bob Allen, SESI

Depth in Feet	USCS	GRAPHIC	Water Levels	Sample Type:	Sample	Lab No.	Chlorides (mg/Kg)	
			Hydrocarbon Product Measured Water Level	SS Split Spoon (18" or 24") CB Core Barrel (2.5' or 5') CT Auger Cuttings NR No recovery				
DESCRIPTION								
0	SP/CA		0-5 ft. SAND, light brown, very fine grained, CALICHE, white, hard, slight H/C odor					
5	SP		5-9 ft. SAND, light brown, very fine grained, frag. of caliche gravels rounded to 1" No H/C Stain or Odor					
10	SS		9-9.5 ft. SANDSTONE		1	H8429-1	2,047	
	SP		9.5-15 ft. SAND, light brown, some chalk color, very fine grained, with sandstone fragments, no H/C stain or odor					
15	SP		15-17 ft. SAND, light brown, very fine grained, uniform, slightly damp, slight H/C odor					
20	SP		17-19.6 ft. SAND, light brown, very fine grained, with fragments of poorly cemented sandstone, no H/C stain or odor		2	H8429-2	1,312	
	SP		20-25 ft. SAND, light brown, very fine grained, uniform, occasional small sandstone pieces, no H/C odor					
25	SP		25-27 ft. SAND, light brown, fine grained, slightly damp, no H/C stain or odor					
	SS		27-28 ft. SANDSTONE, well consolidated, well cemented		3	H8429-3	944	
30	SP		28-35 ft. SAND, light brown, fine grained, occasional sandstone fragment to 1 in., no H/C stain or odor					
35	SP		35-38 ft. SAND, light brown, fine grained, no H/C stain or odor					
40	SS		38-40 ft. SANDSTONE, light brown, medium consolidation, well cemented		4	H8429-4	1,008	
	SM/SS		40-45 ft. SILTY SAND, light brown, very fine grained, and partially cemented SANDSTONE, friable with fingers					
45	SP		45-50 ft. SAND, light brown, very fine grained, well compacted, minimal cementing, no H/C stain or odor		5	H8429-5	388	
50	SP		50-55 ft. SAND, light brown, very fine grained, well compacted, minimal cementing, "sugar sand", no H/C stain or odor					
55	SP		55-60 ft. SAND, light brown, very fine grained, well compacted, minimal cementing, "sugar sand", no H/C stain or odor		6	H8429-6	160	
60								

Well: MW-1
Elev.: _____

Flip Cover
Metal Box
Cement
Bentonite seal
PVC Casing



Notes:
Lithology to 60 ft. from nearby BH-3 drilled 12/30/03.
Lithology 60 to 105 ft. from Contreras and Allen, 01/28/04
Set with 20 ft. of screen, placed 10 bags sand to 83 ft. then bentonite to ~3 ft.
Cemented to surface, steel box/cover, TOC 2.6 ft. above land surface (ALS)

Depth to water (DTW) on 02/02/04 95.24 ft. below top of casing (BTOC)
Total depth (TD) 101.68 ft. BTOC
Developed well 2/2 and 2/3 of 2004.
On 2/4/04 DTW 95.18 ft. BTOC, TD 108.41 ft. BTOC
Sampled well 2/4, chloride field sample 51 ppm.

\\SES01\SES\Central\Company Files\Saga Petroleum\SAG-03-001 Apollo SWD\SAG-03-001 Saga\2004\MW-1.log



**Safety & Environmental
Solutions, Inc.**

LOG OF MONITOR WELL MW-1

(Page 2 of 2)

Saga Petroleum, LLC
Apollo SWD
Section 1, T17S, R36E
Lea County, New Mexico

Date Started : 01/28/04
Date Completed : 01/28/04
Hole Diameter : 5 1/4 in.
Drilling Method : Hollow Stem Auger
Sample Method : 5 ft. Core barrel

Drilling Equipment : CME-7S
Drilled By : ECO Drilling
Logged By : David Boyer, SESI
Sergio Contreras, SESI
Bob Allen, SESI

Depth in Feet	USCS	GRAPHIC	Water Levels	Sample Type:	Sample	Lab No.	Chlorides (mg/Kg)	Well: MW-1 Elev.:
			Hydrocarbon Product Measured Water Level	SS Split Spoon (18" or 24") CB Core Barrel (2.5' or 5') CT Auger Cuttings NR No recovery				
DESCRIPTION								
60			60-70 ft. SAND, light brown, very fine to fine grained					
65	SP							
70			70-80 ft. SAND, light brown, very fine to fine grained					
75	SP							
80			80-90 ft. SAND, light brown, very fine to fine grained. damp at 85 ft.					
85	SP							
90			90-100 ft. SAND, light brown, very fine to fine grained					
95	SP							
100			100-105 ft. SAND, light brown, very fine to fine grained					
105	SP							
110								
115								
120								

Bentonite seal
PVC Casing
Sand Pack
PVC Screen
Bottom cap

Notes:

Lithology to 60 ft. from nearby BH-3 drilled 12/30/03.

Lithology 60 to 105 ft. from Contreras and Allen, 01/28/04

Set with 20 ft. of screen, placed 10 bags sand to 83 ft. then bentonite to ~3 ft. Cemented to surface, steel box/cover, TOC 2.6 ft. above land surface (ALS)

Depth to water (DTW) on 02/02/04 95.24 ft. below top of casing (BTOC)

Total depth (TD) 101.68 ft. BTOC

Developed well 2/2 and 2/3 of 2004.

On 2/4/04 DTW 55.18 ft. BTOC. TD 108.41 ft. BTOC

Sampled well 2/4, chloride field sample 51 ppm.

Notes:

Lithology to 60 ft. from nearby BH-3 drilled 12/30/03.
Lithology 60 to 105 ft. from Contreras and Allen, 01/28/04.
Set with 20 ft. of screen, placed 10 bags sand to 83 ft. then bentonite to ~3 ft.
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Depth to water (DTW) on 02/02/04 95.24 ft. below top of casing (BTOC)
Total depth (TD) 101.68 ft. BTOC
Developed well 2/2 and 2/3 of 2004.
On 2/4/04 DTW 55.18 ft. BTOC, TD 108.41 ft. BTOC
Sampled well 2/4, chloride field sample 51 ppm.

Appendix A

Analytical Results Soil



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON, #103
HOBBS, NM 88240
FAX TO: (505) 393-4388

Receiving Date: 02/03/04
Reporting Date: 02/03/04
Project Number: SAG-03-001
Project Name: APOLLO SWD
Project Location: LOVINGTON, NM

Analysis Date: 02/03/04
Sampling Date: 01/28/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/Kg)
H8429-1	MW-1, 10'	2047
H8429-2	MW-1, 20'	1312
H8429-3	MW-1, 30'	944
H8429-4	MW-1, 40'	1008
H8429-5	MW-1, 50'	368
H8429-6	MW-1, 60'	160
H8429-7	MW-1, 70'	96
H8429-8	MW-1, 80'	64
H8429-9	MW-1, 90'	64
H8429-10	MW-1, 95'	64
Quality Control		1020
True Value QC		1000
% Recovery		102
Relative Percent Difference		2.0

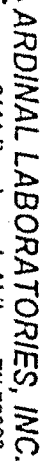
METHOD: Standard Methods 4500-ClB

Note: Analyses performed on 1:4 w/v aqueous extracts.

Amy Hill
Chemist

2/3/04
Date

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or licensors arising out of or relating to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page 1 of 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: SESI		BIL-101 PO #:	
Project Manager: Bob Allen		Company: SESI	
Address: 703 E. CLAYTON, #103		Attn: KRISTEN	
City: HOHNS State: MD Zip: 20240		Address:	
Phone #: (505) 397-0510		City:	
Fax #: (505) 393-1188		State:	
Project #: SRG-03-001 Project Owner: SLCA		Zip:	
Project Name: April 11, 2004		Phone #:	
Project Location: Washington		Fax #:	

LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRES.	SAMPLING	DATE	TIME	ANALYSIS REQUEST	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						ACID
MD-1, 10'		G				X						2004	5:15	X	Checked
-2	" 20'											5:15	9:15	X	
-3	" 30'											9:35	10:00	X	
-4	" 40'											10:00	10:55	X	
-5	" 50'											10:55	11:30	X	
-6	" 60'											11:30	12:00	X	
-7	" 70'											12:00	1:00	X	
-8	" 80'													X	
-9	" 90'													X	
-10	" 100'													X	

Received By: Lab Staff Date: 4/10/04 Time: 4:10 PM		Checked By: (initials) Date: 4/10/04 Time: 4:10 PM	
Sample Condition: ☐ Cool ☒ Intact ☐ Yes ☐ No		Phone Result: ☒ Yes ☐ No Additional Fax #:	

REMARKS: **1**

LAB I.D. 101 and Lab I.D. 102 are used for all samples. Lab I.D. 101 is used for all samples that are not analyzed for PCBs. Lab I.D. 102 is used for all samples that are analyzed for PCBs. Lab I.D. 103 is used for all samples that are analyzed for PCBs and are also analyzed for other contaminants. Lab I.D. 104 is used for all samples that are analyzed for PCBs and are also analyzed for other contaminants and are also analyzed for PCBs and are also analyzed for other contaminants.

† Cardinal cannot accept verbal changes. Please fax written changes to 915-873-7020.

Appendix B

Analytical Results Water



PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

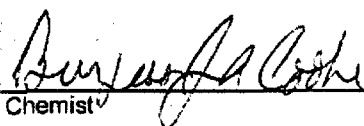
ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON, #103
HOBBS, NM 88240
FAX TO: (505) 393-4388

Receiving Date: 02/04/04
Reporting Date: 02/06/04
Project Number: SAG-03-001
Project Name: APOLLO SWA
Project Location: LOVINGTON, NM

Sampling Date: 02/04/04
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		02/05/04	02/05/04	02/05/04	02/05/04
H8432-1	MW-1	<0.002	<0.002	<0.002	<0.006
Quality Control		0.090	0.093	0.092	0.281
True Value QC		0.100	0.100	0.100	0.300
% Recovery		90.3	92.6	91.6	93.7
Relative Percent Difference		4.1	4.8	8.7	8.1

METHOD: EPA SW-846 8260


Chemist

2/6/04
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. H8432-1. Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON, #103
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/04/04
Reporting Date: 02/06/04
Project Number: SAG-03-001
Project Name: APOLLO SWD
Project Location: LOVINGTON, NM

Sampling Date: 02/04/04
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (μ S/cm)	T-Alkalinity (mgCaCO ₃ /L)
------------	-----------	--------------	--------------	--------------	-------------	-------------------------------	--

ANALYSIS DATE:	02/05/04	02/05/04	02/05/04	02/05/04	02/05/04	02/05/04
H8432-1 MW-1	82	88	12	2.61	944	327
Quality Control	NR	56	59	5.17	1322	NR
True Value QC	NR	50	50	5.00	1413	NR
% Recovery	NR	112	118	103	93.6	NR
Relative Percent Difference	NR	0	0	1.0	0.7	NR

METHODS: SM3500-Ca-D 3500-Mg E 8049 120.1 310.1

	Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
--	---------------------------	---------------------------	---------------------------	----------------------------	--------------	---------------

ANALYSIS DATE:	02/05/04	02/05/04	02/05/04	02/05/04	02/05/04	02/06/04
H8432-1 MW-1	64	34	0	398	7.86	473
Quality Control	1020	53.65	NR	996	7.03	NR
True Value QC	1000	50.00	NR	1000	7.00	NR
% Recovery	102	107	NR	99.6	100	NR
Relative Percent Difference	2.0	1.5	NR	0	0.3	1.4

METHODS: SM4500-Cl-B 375.4 310.1 310.1 150.1 160.1

Amy Hill
Chemist

2/6/04
Date

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ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Mainland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2320 Fax (505) 393-2476

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

Appendix C
Monitor Well Results 4-7-05



ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

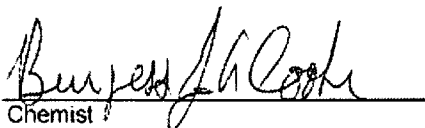
ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON, #102
HOBBS, NM 88240
FAX TO: (505) 393-4388

Receiving Date: 04/07/05
Reporting Date: 04/11/05
Project Number: SAG-03-001
Project Name: APOLLO
Project Location: LEA COUNTY, NM

Sampling Date: 04/07/05
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		04/07/05	04/07/05	04/07/05	04/07/05
H9688-1	MW1	<0.002	<0.002	<0.002	<0.006
Quality Control		0.096	0.094	0.097	0.304
True Value QC		0.100	0.100	0.100	0.300
% Recovery		96.1	94.3	96.8	101
Relative Percent Difference		2.4	2.2	6.7	7.5

METHOD: EPA SW-846 8260


Chemist

4/11/05
Date

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PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.**

ATTN: BOB ALLEN
703 E. CLINTON, #102
HOBBS, NM 88240
FAX TO: (505) 393-4388

Receiving Date: 04/07/05
Reporting Date: 04/12/05
Project Number: SAG-03-001
Project Name: APOLLO
Project Location: LEA COUNTY, NM

Sampling Date: 04/07/05
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		04/11/05	04/11/05	04/11/05	04/11/05	04/11/05	04/11/05
H9688-1	MW 1	71	78	30	2.57	700	336
Quality Control		NR	58	54	4.90	1322	NR
True Value QC		NR	50	50	5.00	1413	NR
% Recovery		NR	116	108	98.0	93.6	NR
Relative Percent Difference		NR	3.1	3.8	0.8	0.7	NR
METHODS:		SM3500-Ca-D 3500-Mg E			8049	120.1	310.1

		Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		04/11/05	04/11/05	04/11/05	04/11/05	04/11/05	04/12/05
H9688-1	MW 1	72	38	0	410	6.51	723
Quality Control		998	50.33	NR	981	7.12	NR
True Value QC		1000	50.00	NR	1000	7.00	NR
% Recovery		99.8	101	NR	96.1	102	NR
Relative Percent Difference		0.2	0.2	NR	1.6	2.3	1.4
METHODS:		SM4500-Cl-B		375.4	310.1	310.1	150.1
							160.1

Amy Hill
Chemist

4/12/05
Date

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. H9688-1 shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Appendix D

Excavation Sampling Results



PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: J. BRIAN
703 E. CLINTON, #102
HOBBS, NM 88240
FAX TO:

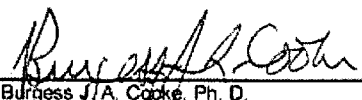
Receiving Date: 10/11/04
Reporting Date: 10/12/04
Project Number: SAGA-03-001
Project Name: APPOLLO
Project Location: LEA COUNTY, NM

Sampling Date: 10/11/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)	CI* (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		10/12/04	10/12/04	10/11/04	10/11/04	10/11/04	10/11/04
H9226-1	BTTM H. #1	1260	80	<0.005	<0.005	<0.005	<0.015
H9226-2	BTTM H. #2	25.9	80	<0.005	<0.005	<0.005	<0.015
H9226-3	BTTM H. #3	<10	80	<0.005	<0.005	<0.005	<0.015
H9226-4	BTTM H. #4	<10	80	<0.005	<0.005	<0.005	<0.015
H9226-5	SSW #1	931	80	<0.005	<0.005	<0.005	<0.015
H9226-6	ESW #2	11300	128	<0.005	<0.005	<0.005	<0.015
H9226-7	NSW #3	995	80	<0.005	<0.005	<0.005	<0.015
H9226-8	WSW #4	787	80	<0.005	<0.005	<0.005	<0.015
Quality Control		239	1050	0.100	0.099	0.105	0.323
True Value QC		240	1000	0.100	0.100	0.100	0.300
% Recovery		99.5	105	99.6	99.1	105	107
Relative Percent Difference		5.5	2.9	0.4	0.9	4.8	7.2

METHODS: TRPHC-EPA 600/4-79-020 418.1; CI-Std. Methods 4500-CrB; BTEX-EPA SW-846 8260

*Analyses performed on 1:4 w:v aqueous extracts.


Burgess J. A. Cooke, Ph. D.

10/12/04
Date

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H9226.XLS

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 505-383-2476.