Stephens & Johnson Operating Company Horse Pen Section 12, Township 15 South, Range 37 East Lea County, New Mexico

PJK16001435660 4089

Work Plan

July 28, 2009



Prepared for:

Stephens & Johnson Operating Company 811 Sixth Street, Suite 300 Wichita Falls, Texas 76301-2509

By:

Safety & Environmental Solutions, Inc. 703 East Clinton Hobbs, New Mexico 88240 (575) 397-0510

I. Background

Safety & Environmental Solutions, Inc. (SESI) was engaged by Stephens & Johnson Operating Company to perform a site assessment located in Section 12, Township 15 South, and Range 37 East in Lea County, New Mexico. The area was impacted by the spillage of an undetermined amount of produced water from an injection line associated with production in the area. This remediation has been active since September 2003, however this site has been dormant for several years.

II. Surface and Ground Water

The nearest groundwater of record with the New Mexico State Engineer's Office is in Section 12 of 15 South, 37 East. According to measurements taken January 10, 1996, the depth to water in this well is 52.48 feet.

III. Soils

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

IV. Work Performed

On May 12, 2009 Safety & Environmental Solutions, Inc was onsite to retrieve samples. Samples were retrieved 0 to 6 inches in depth throughout the bottom and sides of the excavation. All samples were transported under Chain of Custody to Ana-Lab of Kilgore, Texas for analysis. The samples were analyzed for Chlorides (EPA Method 300.00). The results of the analysis are as follows:

5/12/09 #1 1	(mg/kg) 1240
5/12/09 #2 3	380
5/12/09 #3 3	399
5/12/09 #4 1	11800
5/12/09 #5 3	3980
5/12/09 #6 2	292
5/12/09 #7 5	539
5/12/09 #8 3	334
5/12/09 #9 6	6.25
5/12/09 #10 5	5690
5/12/09 #11 8	31.3
5/12/09 #12 2	2580
5/12/09 SW #1 1	1630
5/12/09 SW #2 7	7680
5/12/09 SW #3 7	7390
5/12/09 EW #1 8	3330
5/12/09 EW #2 1	11600
5/12/09 NW 1	15500

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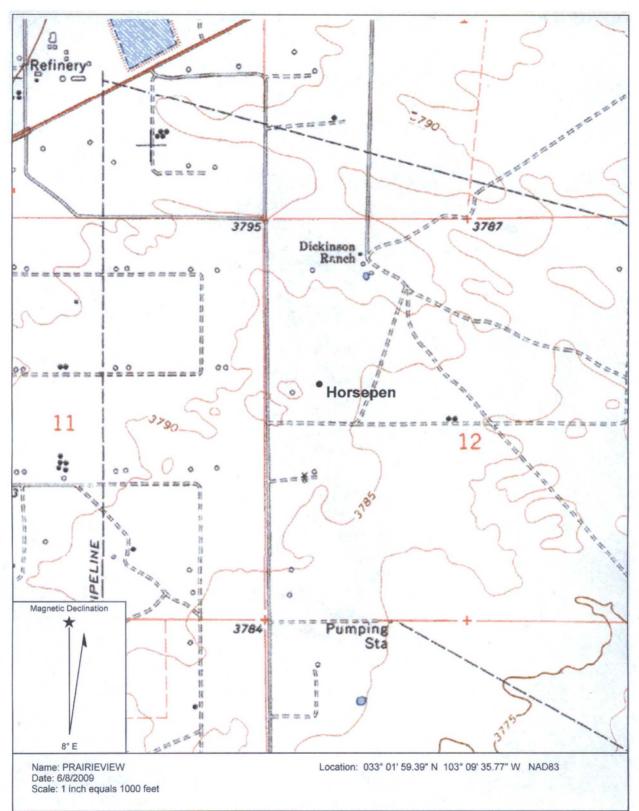
V. Action Plan

The site will be delineated for vertical extent using an air rig. Samples will be retrieved in five (5) foot intervals. The samples collected will be properly preserved and transported along with Chain of Custody to Cardinal Laboratories, of Hobbs, New Mexico, for testing. Laboratory samples will be analyzed for Chlorides (EPA method 300.00).

After completion of the delineation, a report of the findings and an appropriate work plan will be filed with the New Mexico Oil Conservation Division (NMOCD).

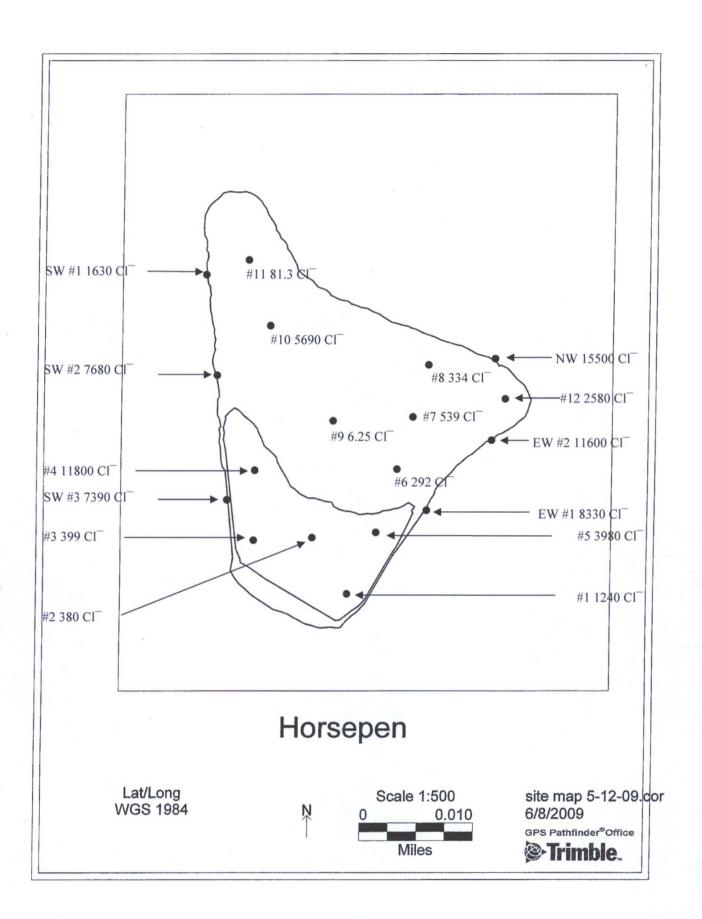
VI. Figures & Appendices

Figure 1 - Vicinity Map Figure 2 - Site Plan Appendix A – Analytical Results Horse Pen/Work Plan July 28, 2009



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Horse Pen/Work Plan July 28, 2009



à	Ana-I ab Corp. P.O. Box	9000 Kile re, TX	75663
	Phone 903/204-0551 FAX 903/984-5914	e-Mail corp@ana-lab.com	LELAP-accredited #02008
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Report To	Report Table of Contents	Account	Project
Brian Cuellar Safety & Environmental 703 E. Clinton	Solutio	SESF	442485
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This report consists of this Table of Contents and the following pages:									
Report Name	Description		Pages						
442485_r03_03_ProjectResults	Ana-Lab Project P:442485 C:SESF	Project Results	7						
442485_r10_05_PROJQCG	Ana-Lab Project P:442485 C:SESF	Project Quality Control Groups	2						
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Stevens & Johnson Horse Pen

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Results

Stevens & Johnson Horse Pen

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We report results on an 'As Received' or wet basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab's brporate laboratory that holds the following Federal and State certificates: Texas Department of Health Lead Firm Certificate 2110076, PA National Lead Laboratory Accreditation Program #637.01, US Consumer Product Safety Commission #1095, US Department of Agriculture Soil Import Permit S-37592, Texas Commission on Environmental Quality Drinking Water Laboratory Certificate TX219, exas Commission on Environmental Quality NELAP T104704201-06-TX, Oklahoma Department of Environmental Quality Drinking 'ater Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, USEPA UCMR2 Approved Lab, Oklahoma Department of Environmental Quality Laboratory Certificate \$125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certificates \$125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certificates \$125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana epartment of Health and Hospitals Drinking Water (NELAP) # LA030020, US Department of Energy Approved, State of Kansas expartment of Health and Environment Waste Water and Solid/Hazardous Waste Cert. E-10365, Alabama Department of Environmental. Management Drinking Water #41540. Ana-Lab is also accredited to the international ISO-17025 standard by the American Association for hooratory Accreditation (A2LA Certificate # 0637-01). The Accredited column designates accreditation by U -- UCMR2 (EPA), A --2LA, N -- NELAC, or z -- not covered under one of these scopes of accreditation.

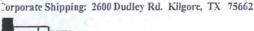
These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Distract Service number.

37. Witness

C. H. Whiteside, Ph.D., President







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LELAP-accredited #02008

Quality Control

Report To a

Printed 05/22/2009 Page 2 of 2

Project



Brian Cuellar Safety & Environmental Solutio 703 E. Clinton Hobbs, NM 88240

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	L'ANDEL	SAUNUS SAUNA SUD	Anter State (1999)	CCV							
trameter		Reading	Known	Units	Recover%	Limits%	Out	File			
Vitrate-Nitrite Nitrogen		5.41	5.30	mg/kg	102	90.0 - 110		0000840998			
				LCS							
rameter	PrepSet	Reading		Known	Units	Recover%	Limits	File	Out		
.nloride (water extractable)	318047	0.971		1.00	mg/kg	97.1	90.0 - 110	0000840976			
litrate	318047	0.994		1.00	mg/kg	99.4	90.0 - 110	0000840976			
trate-Nitrite Nitrogen	318047	0.523		0.530	mg/kg	98.7	90.0 - 110	0000840976			
				LCSI	up						
'arameter	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
oride (water extractable)	318047	0.971	0.981		1.00	90.0 - 110	97.1	98.1	mg/kg	1.02	20.0
rate	318047	0.994	0.997		1.00	90.0 - 110	99.4	99.7	mg/kg	0.301	10.0
litrate-Nitrite Nitrogen	318047	0.523	0.525		0.530	90.0 - 110	98.7	99.1	mg/kg	0.404	10.0
				MS	e. Contraction						
ameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	· Limit%
hloride (water extractable)	099906	358	350	87.4	10.0	80.0 - 120	2710 *	2630 *	mg/kg	3.00	10.0
itrate	099906	7.34	6.10	ND	10.0	80.0 - 120	73.4 *	61.0 *	mg/kg	18.5 *	10.0
ate-Nitrite Nitrogen	099906	5.03	4.49	ND	5.30	80.0 - 120	94.9	84.7	mg/kg	11.4 *	10.0

RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100%

Recover% is Recovery Percent: result / known * 100%

Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662





Panhandle Region: 4515 S. Georgia Suite 129 Amarillo TX 79110



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