District 1 1625 N French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S St Francis Dr., Santa Fe, NM 87505

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State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

	OPERATOR	X	Initial Report	X	Final Report
Name of Company Stephens & Johnson Operating Co.	Contact Bob Gilmore				
Address P O Box 2249	Telephone No. 940-723-2166				
Facility Name Denton North Wolfcamp Unit	Facility Type Water Supply Line				

Surface Owner Darr Angel

Mineral Owner Unknown

Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	12	T15S	R37E	2222	North	440	West	Lea
				17	1	()	6	

Latitude 033 02 200 1 Longitude 103 09 36.3 W

NATURE OF RELEASE

Type of Release Salt Water	Volume of Release Unknown NA	Volume Recovered Unknown NA
Source of Release Salt Water Supply Line	Date and Hour of Occurrence NA	Date and Hour of Discovery NA
Was Immediate Notice Given?	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	lercourse
If a Watercourse was Impacted, Describe Fully * Describe Cause of Problem and Remedial Action Taken * Leak was from water supply line which developed several years ago Lea	k was repaired and returned to service	
Describe Area Affected and Cleanup Action Taken * SESI environmental consultants determined vertical and horizontal exter procedures	nt of contamination Contaminated soil	was dug out and replaced under OCD
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release in public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediated or the environment. In addition, NMOCD acceptance of a C-141 report of federal, state, or local laws and/or regulations.	the best of my knowledge and understa notifications and perform corrective ac the NMOCD marked as "Final Report" the contamination that pose a threat to g loes not relieve the operator of response	and that pursuant to NMOCD rules and tions for releases which may endanger does not relieve the operator of liability ground water, surface water, human health sibility for compliance with any other
Signature: Tob Ang	OIL CONSERV	ATION DIVISION
Printed Name: Bob Gilmore	Approved by District Supervisor:	
Title: Engineer	Approval Date:	Expiration Date:
E-mail Address: bgilmore@sjoc.net	Conditions of Approval:	Attached
Date: 5-3-10 Phone:940-723-2166		

* Attach Additional Sheets If Necessary

9KJ1007435000 4089



P.O. Box 1613 703 E. Clinton Street Hobbs, New Mexico 88240 575/397-0510 Fax 575/393-4388 www.sesi-nm.com

Safety & Environmental Solutions, Inc.

May 5, 2010

Mr. Larry Johnson Environmental Engineer New Mexico Oil Conservation Division 1625 French Drive Hobbs, New Mexico 88240

Mr. Larry Johnson:

This letter is a request for closure at the Stevens and Johnson, Horsepen. All of the delineation activities completed for the subject area are listed below in chronological order.

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.

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.

Soils

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

Work Performed

September 23, 2003:

This site has a very hard caliche or rock layer approximately 3' below the surface. A larger rig will be necessary to conduct additional investigation. SESI drilled 3 boreholes. Borehole #1 was drilled to 38 inches at which point a hard layer was encountered which caused auger refusal. A sample was retrieved from that depth. Borehole #2 was drilled 5 feet at which point a hard layer was again encountered which caused auger refusal. Borehole #3 was drilled 2.5 feet at which point auger refusal was experienced again. A sample was retrieved from that depth. All samples were properly packaged, preserved and sent under chain of custody to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were analyzed for Chlorides (EPA method 4500-Cl⁻B).

The results of the analysis are as follows:

Date	Sample ID	Cľ (mg/kg)
9/23/03	BH #1 38"	2,399
9/23/03	BH #2 5'	2,239
9/23/03	BH #3 2.5'	2,159

The results of this analysis only indicated that the chloride levels immediately above this layer and were unable to reach the extent of contamination, if any, in or below the hard layer. The chloride contamination above the hard layer was very consistent which may have indicated little or no penetration of the hard layer.

January 16, 2004:

2

SESI drilled Borehole #4 to the west of Borehole #1. The Borehole was drilled to a depth of 22 feet when a hard layer was encountered, which caused auger refusal. Grab samples were retrieved at 5', 15', and 20'. The samples were properly preserved and sent under Chain of Custody for analysis. The samples were analyzed for Chlorides (EPA Method 4500-Cl⁻B).

The results of the analysis are as follows:

Date	Sample ID	Cl ⁻ (mg/kg)
1/16/04	BH #4 5'	2,623
1/16/04	BH #4 15'	2,815
1/16/04	BH #4 20'	1,935

In light of the declining trend in the chloride levels SESI proposed to follow the Work Plan dated May 8, 2003. The work plan stated that the top 4' to 5' of contaminated soil be removed and taken to an NMOCD approved disposal facility. The bottom and sided of the excavation will be sampled at the final excavation depths and sent under Chain of Custody to Cardinal Laboratories for analysis. The samples will be analyzed for Chlorides (EPA Method 4500-CI⁻B). The analytical results will document the level of Chlorides left in place. After the excavation is complete, a 40 mil plastic liner will be installed in the bottom of the excavation to prevent surface waters or future spills from coming into contact with the chloride left in place under the liner. Clean soil will be used to backfill the excavation and the site returned to natural grade. The location would be reseeded with native grasses.

May 12, 2009:

SESI 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:

Date	Sample ID	Cľ (mg/kg)
5/12/09	#1	1,240
5/12/09	#2	380
5/12/09	#3	399
5/12/09	#4	11,800
5/12/09	#5	3,980
5/12/09	#6	292
5/12/09	#7	539
5/12/09	#8	334
5/12/09	#9	6.25
5/12/09	#10	5,690
5/12/09	#11	81.3
5/12/09	#12	2,580
5/12/09	SW #1	1,630
5/12/09	SW #2	7,680
5/12/09	SW #3	7,390
5/12/09	EW #1	8,330
5/12/09	EW #2	11,600
5/12/09	NW	15,500

The results of this analysis only indicated that the chloride levels were unable to reach the extent of contamination. The site was scheduled to be delineated for vertical extent using an air rig. Samples were to be retrieved in five (5) foot intervals. The samples would be collected and 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).

January 18-19, 2010:

SESI was onsite with Eco Enviro Drilling to delineate the affected area. An air rotary rig with a 10' split core barrel was utilized to determine the vertical extent of the chloride contamination. A total of five (5) boreholes were installed with in the affected area. Samples were retrieved in five (5) foot intervals. The samples collected were properly preserved and transported along with Chain of Custody to Cardinal Laboratories, of Hobbs, New Mexico, for analysis. Laboratory samples were analyzed for Chlorides (EPA method 300.00).

The results of the analysis are as follows:

Date	Sample ID	Cl ⁻ (mg/kg)
1/18/10	BH#1. 5'	<16
1/18/10	BH#1. 10'	64
1/18/10	BH#1. 15'	160
1/18/10	BH#2. 5'	<16
1/18/10	BH#2. 10'	<16
1/18/10	BH#2. 15'	<16
1/18/10	BH#3. 2'	288
1/18/10	BH#3. 7'	1,620
1/18/10	BH#3. 12'	1,140
1/18/10	BH#3. 17'	480
1/18/10	BH#3. 22'	288

1/19/10	BH#4. Surface	96
1/19/10	BH#4. 5'	624
1/19/10	BH#4. 10'	1,200
1/19/10	BH#4. 15'	224
1/19/10	BH#4. 20'	400
1/19/10	BH#5. Surface	16
1/19/10	BH#5. 10'	2,000
1/19/10	BH#5. 15'	864
1/19/10	BH#5. 20'	496

April 5, 2010:

SESI is onsite with Watson Construction to begin excavation of the area. Sample trenches were installed on the east and north end of the excavation to determine the horizontal extent of the chloride contamination. The test trench outside the north end of the excavation indicated that chloride contamination had migrated and additional 15' to 20' north of the excavation. The top soil outside both the north and east end of the excavation did not appear to be affected. Samples collected from the top soil indicated that soil was unaffected; therefore the top 1' of soil will be segregated as clean soil. The rest of the area will be excavated to 4' bgl and stockpiled for disposal.

Samples were taken from side walls and transported to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides (EPA Method 4500B).

The results of the analysis are as follows:

Date	Sample ID	Cl ⁻ (mg/kg)
4/5/10	East Wall #1	48
4/5/10	East Wall #2	80
4/5/10	East Wall #3	48
4/5/10	North Wall #1	48
4/5/10	North Wall #2	176
4/5/10	North Wall #3	160
4/5/10	South Wall	128

In an approved work plan from Larry Johnson of NMOCD it was requested that the area would be excavated to a depth of four (4) feet below grade surface and to the west wall by the flow lines.

Approximately 3,230 yards of contaminated soils were excavated and transported to an NMOCD approve disposal facility.

Upon completion of excavation the location the area a 20,800 square foot 40-mil liner was installed to prevent future migration. The excavated area was then backfilled with approximately 4,932 yards of soils from an offsite facility. The area was then contoured to its natural grade.

Conclusion

· · ·

Remedial actions at this site have all been performed with the approval of, and in accordance with all New Mexico Oil Conservation Division (NMOCD) requirements. It is requested that the location be re-seeded to the landowner's specifications and that no further action will be required.

Please contact me should you have questions or require further information.

Thank you for your attention in this matter.

Sincerely,

Bob Allen CSP, REM President

ba/sr



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary Lori Wrotenbery Director Oil Conservation Division

June 16, 2003

Stevens & Johnson Operating Co. PO Box 2249 Wichita Falls, TX 76307-2249

Re: Remediation Work Plan Denton Field 'Horse Pin' Site Location: Sec 12 T15S R37E Plan Submittal Dated: May 8, 2003

The referenced Work Plan submitted to New Mexico Oil Conservation Division (OCD) by Safety & Environmental Solutions, Inc. (SES) for Stevens & Johnson Operating Co. is hereby approved with the following conditions:

- OCD will be given 48 hour notice prior to sampling events to witness and/or split samples
- Drilling to and sampling of groundwater will be prudent if deep chloride contamination is encountered above 250 mg/L or 250 ppm in boring samples
- Provide convex soft soil/sand pad under plastic barrier, pad top to protect from puncture
- Increase plastic liner from 20 mil to 30 mil thickness

Please be advised that OCD approval of this plan does not relieve Stevens & Johnson Operating Co. liability should their operations fail to adequately investigate and remediate contaminants that threaten ground water, surface water, human health or the environment. Additionally, OCD approval does not relieve Stevens & Johnson Operating Co. of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance call: (505) 393-6161, ext. 111, or email: <u>lwjohnson@state.nm.us</u> or Paul Sheeley at: ext. 113, email: psheeley@state.nm.us

Sincerely,

Larry Johnson-Environmental Engineer

Cc: Roger Anderson - Environmental Bureau Chief Chris Williams - District I Supervisor Bill Olson - Hydrologist Paul Sheeley - Environmental Engineer Bob Allen – Safety & Environmental Solutions, Inc.

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

Closure Report

May 5, 2010



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

apprevedb Spellies Jokin Erw. Engineer NMOCD-Hob 11/50/10

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 and Environmental Solutions, Inc (SESI) 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:

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5/12/09	#3	399
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The results of this analysis only indicated that the chloride levels were unable to reach the extent of contamination. The site was scheduled to be delineated for vertical extent using an air rig. Samples were to be retrieved in five (5) foot intervals. The samples would be collected and 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).

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1/18/10	BH#2. 10'	<16
1/18/10	BH#2. 15'	<16
1/18/10	BH#3. 2'	288
1/18/10	BH#3. 7'	1,620
1/18/10	BH#3. 12'	1,140
1/18/10	BH#3. 17'	480
1/18/10	BH#3. 22'	288
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1/19/10	BH#4. 5'	624
1/19/10	BH#4. 10'	1,200
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1/19/10	BH#4. 20'	400
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1/19/10	BH#5. 10'	2,000
1/19/10	BH#5. 15'	864
1/19/10	BH#5. 20'	496

The results of the analysis are as follows:

On April 5, 2010, SESI is onsite with Watson Construction to begin excavation of the area. Sample trenches were installed on the east and north end of the excavation to determine the horizontal extent of the chloride contamination. The test trench outside the north end of the excavation indicated that chloride contamination had migrated and additional 15' to 20' north of the excavation. The top soil outside both the north and east end of the excavation did not appear to be affected. Samples collected from the top soil indicated that soil was unaffected; therefore the top 1' of soil will be segregated as clean soil. The rest of the area will be excavated to 4' bgl and stockpiled for disposal.

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4/5/10	East Wall #3	48
4/5/10	North Wall #1	48
4/5/10	North Wall #2	176
4/5/10	North Wall #3	160
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VI. Conclusion

Remedial actions at this site have all been performed with the approval of, and in accordance with all New Mexico Oil Conservation Division (NMOCD) requirements. It is requested that the location be re-seeded to the landowner's specifications and that no further action will be required.

It is requested that no further action be required.

VI. Figures & Appendices

Figure 1 - Vicinity Map Figure 2 - Site Plan Appendix A – Analytical Results Appendix B – Site Photographs Appendix C – C-141 *Horse Pen/Closure Report May 5, 2010*



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Horse Pen/Closure Report May 5, 2010

Appendix A Analytical Results

	Ana-I ab Corp. P.O. Box	9000 Kilr re, T	K 75663
	Phone 903/204-0551 FAX 903/984-5914	e-Mail corp@ana-lab.com	LELAP-accredited #02008
ANALAB	Analytical R	esults	ted 05/22/2009 Page 1 of 1
THE COMPLETE SERVICE LAB	Report Table of Contents	Project	
Brian Cuellar	Solutio	SESF	442485

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

Stevens & Johnson Horse Pen

This report consists of this Table of Contents and the following pages:

442485_r03_03_ProjectResults Ana-Lab Project P:442485 C:SESF Project Results 7	Pages
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442485_r10_05_PROJQCG Ana-Lab Project P:442485 C:SESF Project Quality Control Groups 2	oups 2
442485_r99_09_CoC_SESF_1_of_1 Ana-Lab CoC SESF 442485_1_of_1 3	3
Total Pages: 12	l Pages: 12

Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

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	Ana-I-b Corp.	P.O. Box 9000	Kilf je, TX	75663
	Phone 903/984-0551 FAX	(903/984-5914 e-Mail co	orp@ana-lab.com	LELAP-accredited #02008
ANALAB	Results		<i>Printed:</i> 05/22/20	009 Page 1 of 7
THE COMPLETE SERVICE LAB			Account	Project
Report To			SESF-P	442485
Brian Cuellar Safety & Environmental S	olutio			

Results

Stevens & Johnson Horse Pen

Accredited Parameter	Results	Units	RL	Flags	CAS		Bottle
101342 #1					F	Received:	05/14/2009
Soil	Collected by:	Kincaid	Affiliatio	n: Safety & H	Environmen	t 05/12/2	11:24
SW-846 9056 AN Chloride (water extractable)	1240	A mg/kg	Inalyzed: LCY 60.0	05/16/2009	1629	QCgroup	<i>318122</i> 02
101343 #2					R	eceived: (05/14/2009
Soil	Collected by: I	Kincaid	Affiliation	r Safety & E	nvironment	05/12/20	009 11:26
SW-846 9056 AN Chloride (water extractable)	380	A) mg/kg	nalyzed: LCY 30.0	05/16/2009	1647	QCgroup	318122 02
101344 #3					Re	eceived: 0	5/14/2009
Soil	Collected by:		Affiliation:	Safety & Er	vironment	05/12/20	09 11:28
SW-846 9056	A data da	An	alyzed: LCY	05/16/2009	1704	QCgroup	318122
AN Chloride (water extractable)	399	mg/kg	30.0				02
101345 #4					Re	ceived: 0.	5/14/2009
Soil	Collected by: IK	lincaid	Affiliation:	Safety & En	vironment	05/12/200	09 11:30
SW-846 9056 AN Chioride (water extractable)	11800	And mg/kg	abyzed: LCY 750	05/16/2009	1722	QCgroup	318122 02
101346 #5					Rec	eived: 05	/14/2009
Soil	Collected by: IK	incaid	Affiliation:	Safety & Env	vironment	05/12/2009	9 11:32
SW-846 9056		Ana	lyzed: LCY	05/16/2009	1739	QCgroup	318122
AN Chloride (water extractable)	3980	mg/kg	150				02
101347 #6					Rece	eived: 05/	/14/2009
Soil	Collected by: I Ki	ncaid	Affiliation:	Safety & Env	ironment	05/12/2009	11:36
SW-846 9056		Anal	yzed: LCY	05/16/2009	1757	QCgroup	318122
AN Chloride (water extractable)	292	mg/kg	15.0				02
orporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662	2	1	Panhandle R	egion: 4515 S. (Georgia Sui	te 129 Amari	illo TX 79110
	Solution P	CCO ROSILC				ME	CIL
SO-17025 # 0637-01	NELAP-accredited	#T1047042	01-08-TX		20	08 Seal of	Excellence

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703 E. Clinton Hobbs, NM 88240

www.ana-lah.com

Ana-J	Corp. P.O. Box 900	00 Kil e, TX	75663
Phone 903/	/984-0551 FAX 903/984-5914 e-Ma	ail corp@ana-lab.com	LELAP-accredited #02008
ANALAB Rest	ults	Printed. 05/22/2	009 Page 2 of 7
THE COMPLETE SERVICE LAB		Account	Project
Report To		SESF-P	442485
Brian Cuellar Safety & Environmental Solutio			
703 E. Clinton			
Hobbs, NM 88240		Steve	ns & Johnson Horse Pen
	Results		
Accredited Parameter	Results Units	RL Flags	CAS Bottle
101348 #7			Received: 05/14/2009
Soil	Collected by: I Kincaid	Affiliation: Safety & Envir	onment 05/12/2009 11:38
014/04/0050	4		1915 00 219122
AN Chloride (water extractable)	539 mg/kg	6.00	015 QCgroup 518122 02
101349 #8			Received: 05/14/2009
Soil	Collected by: I Kincaid	Affiliation: Safety & Enviro	nment 05/12/2009 11:48
SW-846 9056	An 224 mailua	alyzed: LCY 05/16/2009 1	832 QCgroup 318122
	554 mg/kg	15.0	Dessitive de
101350	Cullerted has I Kinerid	(R):-ii Cafety & Empire	Received: 05/14/2009
Soil	Collected by: I Kincald	Ajjuation: Salety & Environ	iment 05/12/2009 11:52
SW-846 9056	And	lyzed: LCY 05/18/2009 09	253 QCgroup 318122
AN Chloride (water extractable)	6.25 mg/kg	3.00	02
101351 #10			Received: 05/14/2009
Soil	Collected by: I Kincaid	Affiliation: Safety & Environ	ment 05/12/2009 11:55
014/ 04/0 0000	140	hand ICV 05/16/2000 22	22 00
AN Chloride (water extractable)	5690 mg/kg	300 300	02
101352 #11			Received: 05/14/2009
Soil	Collected by: I Kincaid	Affiliation: Safety & Environ	ment 05/12/2009 12:00
SW-846 9056	Anal 81.3 mg/kg	vzed: LCY 05/16/2009 223	9 QCgroup 318131
	01.5 IIIE, KE	50.0	Received: 05/14/2000
Soil 201722	Collected by IKinosid	Affiliation Safety & Environm	net 05/12/2000 12.02
501	Conected by: 1 Kilicalu	Agrination Safety & Environn	With US/12/2007 12.02
SW-846 9056	Analy	zed: LCY 05/16/2009 225	7 QCgroup 318131
V Chloride (water extractable)	1630 mg/kg	150	02
rporate Shipping: 2600 Dudley Rd. Kilgore, TX 756	62 I	anhandle Region: 4515 S. Georg	gia Suite 129 Amarillo TX 79110
	NACCORO		MEMBER
CCREDITED	hero		ACIL
0-17025 # 0637-01	NELAP-accredited #T10470420	1-08-TX	2008 Seal of Excellence

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	Ana-J 5 Corp.	P.O. Box 9000	Kili e, TX 75	663
Ph	one 903/984-0551 FAX	903/984-5914 e-Mail co	orp@ana-lab.com L	ELAP-accredited #02008
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THE COMPLETE SERVICE LAB			Account SESF-P	Project 442485
Brian Cuellar Safety & Environmental Solut 703 E. Clinton	io			

Results

Stevens & Johnson Horse Pen

Accredited Parameter	Results	Units	RL	Flags	CAS		Bottle
101354 SW#2			a na shart in bendan in s		·F	Received: (05/14/2009
Soil	Collected by	: I Kincaid	Affiliation	r Safety & E	nvironment	t 05/12/20	009 12:05
SW-846 9056	able) 7680	mg/kg	Analyzed: LCY 600	05/16/2009	2314	QCgroup	<i>318131</i> 02
101355 SW#3					R	eceived. 0	5/14/2009
Soil	Collected by:	I Kincaid	Affiliation	Safety & En	nvironment	05/12/20	09 12:07
SW-846 9056 AN Chloride (water extract	ble) 7390	A mg/kg	nalyzed: LCY 600	05/16/2009	2332	QCgroup	<i>318131</i> 02
101356 EW#1					Re	eceived: 0	5/14/2009
Soil	Collected by:	I Kincaid	Affiliation	Safety & En	vironment	05/12/200	09 12:10
SW-846 9056 AN Chloride (water extracta	ble) 8330	Ar mg/kg	nalyzed: LCY 600	05/17/2009	1207	QCgroup	<i>318131</i> 02
101357 EW#2	Collected by:		Affiliation:	Safety & Env	Rea	ceived: 05 05/12/200	/14/2009 9 12:13
ability is the second			- 55				
SW-846 9056 AN Chloride (water extracta	le) 11600	Ana mg/kg	alyzed: LCY 1500	05/17/2009	1225	QCgroup	318131 02
101358 NW					Rec	eived: 05/	/14/2009
Soil	Collected by:		Affiliation:	Safety & Env	ironment	05/12/2009	12:15
SW-846 9056 N Chloride (water extractal	le) 15500	Ana mg/kg	abyzed: LCY 6000	05/17/2009	1243	QCgroup	<i>318131</i> 02
101359 #12					Rece	eived: 05/	14/2009
Soil	Collected by: 1	Kincaid	Affiliation:	Safety & Envi	ronment	05/13/2009	16:00
SW-846 9056		Anal	lyzed: LCY	05/17/2009	0100	QCgroup	318131
W Chloride (water extractab	e) 2580	mg/kg	150				02
rporate Shipping: 2600 Dudley Rd. Ki	NEL AD coordi	NACCURATION DE LA COMPACTION DE LA COMPA	rannandie R	egion: 45158. (seorgia Sui	MEI A	

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Hobbs, NM 88240

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Ana-J b	Corp. P.(O. Box 9000	0 Ki	l e, T	X 75	663	
Phone 903/984-05	551 FAX 903/9	84-5914 e-Mai	l corp@ar	a-lab.com	L	ELAP-acci	redited #02008
ANALAB Result	S			Prin 05/2	nted: 2/2009	Page 4 of	f7
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	T	aculte					
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	Sample	Preparation					
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101342 #1					I	leceived:	05/14/2009
SW-846 9056		Anal	lyzed: LCY	05/16/2009	0900	QCgroup	318046
AN Water Extract-Ion Chromatography	40/4	grams					01
101343 #2					R	eceived: (05/14/2009
SW-846 9056		Anah	zed: LCY	05/16/2009	0900	QCgroup	318046
AN Water Extract-Ion Chromatography	40/4	grams					01
101344 #3					Re	eceived: 0	5/14/2009
SW-846 9056		Analy	zed: LCY	05/16/2009	0900	QCgroup	318046
AN Water Extract-Ion Chromatography	40/4	grams			NAME OF TAXABLE PARTY.		01
101345 #4					Re	ceived: 05	5/14/2009
SW-846 9056		Analyz	ed: LCY 0	5/16/2009	0900	QCgroup	318046
AN Water Extract-Ion Chromatography	40/4	grams					01
101346 #5					Rec	eived: 05	/14/2009
SW-846 9056		Analyze	d: LCY 0.	5/16/2009	0900	QCgroup	318046
AN Water Extract-Ion Chromatography	40/4	grams					01
101347 #6					Rec	eived: 05/	/14/2009
Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662		Par	nhandle Reg	ion: 4515 S. C	Georgia Su	ite 129 Amari	illo TX 79110
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Ph	one 903/984-0551 FAX 903/9	984-5914 e-Mail corp@ana-lab.co	m LELAP-	accredited #0200
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THE COMPLETE SERVICE LAB		Account SESE-1	P	Project 447485
Brian Cuellar Safety & Environmental Soluti 703 E. Clinton	0			112105
Hobbs, NM 88240			Stevens & Johnson H	Iorse Pen
	Sample	Preparation		
101347 #6			Received	d: 05/14/2009
SW-846 9056		Analyzed: LCY 05/16/20	09 0900 OCg	roup 318046
AN Water Extract-Ion Chromato	ography 40/4	grams		01
101348 #7			Received	: 05/14/2009
SW-846 9056 W Water Extract-Ion Chromato	graphy 40/4	Analyzed: LCY 05/16/200 grams	99 0900 QCgr	oup 318046 01
101349 #8			Received.	05/14/2009
SW-846 9056 W Water Extract-Ion Chromator	raphy 40/4	Analyzed: LCY 05/16/200	9 0900 QCgro	up 318046
101350 #9	Japan	Brune	Received:	05/14/2009
SW-846 9056 V Water Extract-lon Chromatog	ranhy 40/4	Analyzed: LCY 05/16/2009	0900 QCgro	up 318046
01351 #10			Received:	05/14/2009
SW-846 9056		Analyzed: LCY 05/16/2009	1000 QCgrou	p 318047
)1352 #11	apiiy 40/4	grams	Received:	05/14/2009
SW-846 9056		Analyzed: LCY 05/16/2009	1000 OCgrou	318047
Water Extract-Ion Chromatogra	aphy 40/4	grams	201	01
porate Shipping: 2600 Dudley Rd. Kilgore,	TX 75662	Panhandle Region: 45155	S. Georgia Suite 129 A	marillo TX 79110
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Phone 903/984-	0551 FAX 903/9	84-5914 e-Mail corp@ana-lab.con	n LELA	AP-accredited #020
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THE COMPLETE SERVICE LAB		Account		Project
Brian Cuellar		SEST-1		772703
Safety & Environmental Solutio 703 E. Clinton Hobbs, NM 88240			Stevens & John	son Horse Pen
	Sample	Preparation		
101353 SW#1			Rece	eived: 05/14/2009
SW-846 9056 AN Water Extract-Ion Chromatography	40/4	Analyzed: LCY 05/16/2009 grams	9 1000	QCgroup 318047 01
101354 SW#2		B. and	Rece	ived: 05/14/2009
na de nati a 2016 a diver dela entre				
SW-846 9056 W Water Extract-Ion Chromatography	40/4	Analyzed: LCY 05/16/2009	1000	2Cgroup 318047
101355 SW#3	40/4	614105	Recei	ived: 05/14/2009
SW-846 9056	40/4	Analyzed: LCY 05/16/2009	1000 Q	Cgroup 318047
01356 EW#1	40/4	grams	Receiv	ved: 05/14/2009
SW-846 9056		Analyzed: LCY 05/16/2009	1000 Q0	Cgroup 318047
Water Extract-Ion Chromatography	40/4	grams		01
01357 EW#2			Receiv	ed: 05/14/2009
SW-846 9056 Water Extract-Ion Chromatography	40/4	Analyzed: LCY 05/16/2009 grams	1000 QC	<i>Cgroup 318047</i> 01
1358 NW			Receive	ed: 05/14/2009
SW-846 9056		Analyzed: LCY 05/16/2009	1000 QCs	group 318047
Water Extract-Ion Chromatography	40/4	grams	Canada D. M. M	01
Corate Shipping: 2600 Dudley Rd. Kilgore, TX 75662	LOTEC IN	Pannandie Region: 4515 S.	Georgin Suite 17	MEMBER
CREDITED	SALE	HT104704201 08 TY	2009	Seal of Excellence
			2000	Sour of Excellence

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ANALAD Results	Printed: 05/22/2009 Page 7 of 7	
Report To	Account Project SESF-P 44248	35
Safety & Environmental Solutio 703 E. Clinton Hobbs, NM 88240	Stevens & Johnson Horse Pen	
Sar	mple Preparation	
101359 #12		:009
SW-846 9056 AN Water Extract-Ion Chromatography 40.	Analyzed: LCY 05/16/2009 1000 QCgroup 3180 0/4 grams 01	047

Qualifiers:

We report results on an 'As Received' or wet basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates: Texas Department of Health Lead Firm Certificate 2110076, EPA 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, Texas Commission on Environmental Quality NELAP T104704201-06-TX, Oklahoma Department of Environmental Quality Drinking Water 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 Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) # LA030020, US Department of Energy Approved, State of Kansas Department 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 Laboratory Accreditation (A2LA Certificate # 0637-01). The Accredited column designates accreditation by U -- UCMR2 (EPA), A -- A2LA, 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.

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

7. W. Vutra

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

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

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Brian Cuellar Safety & Environmental Solutio 703 E. Clinton Hobbs, NM 88240 Printed 05/22/2009

Page 1 of 2

Project

318122	I S	oil		SV	V-846 905	6					
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Parameter Chloride (water extractable	<i>PrepSet</i> 318046	<i>Reading</i> ND	<i>MDL</i> 0.0534	MQL 0.300 CCV	Units mg/kg		Out	<i>File</i> 0000840894			
Parameter Chloride (water extractable Chloride (water extractable Chloride (water extractable Chloride (water extractable Chloride (water extractable))))	Reading 10.1 10.1 10.1 10.3 10.3	Known 10.0 10.0 10.0 10.0 10.0	Units mg/kg mg/kg mg/kg mg/kg mg/kg LCS	Recover% 101 101 101 103 103	<i>Limits%</i> 90.0 - 110 90.0 - 110 90.0 - 110 90.0 - 110 90.0 - 110	Out	File 0000840893 0000840906 0000840916 0000840917 0000840920			
<i>'arameter</i> 'hloride (water extractable)	<i>PrepSet</i> 318046	<i>Reading</i> 0.982		Known 1.00	Units mg/kg	<i>Recover%</i> 98.2	<i>Limits</i> 90.0 - 110	<i>File</i> 0000840895	Out		
				LCS D	ир						
<i>arameter</i> hloride (water extractable)	PrepSet 318046	LCS 0.982	<i>LCSD</i> 0.962	SW	Known 1.00 -846 9056	<i>Limits%</i> 90.0 - 110	<i>LCS%</i> 98.2	<i>LCSD%</i> 96.2	<i>Units</i> mg/kg	<i>RPD</i> 2.06	<i>Limit%</i> 20.0
				Blank	N1 4						
arameter hloride (water extractable) itrate itrate-Nitrite Nitrogen	<i>PrepSet</i> 318047 318047 318047 318047	<i>Reading</i> ND ND ND	<i>MDL</i> 0.0534 0.0103 0.00321	MQL 0.300 0.0500 0.0200 CCV	Units mg/kg mg/kg mg/kg		Out	File 0000840975 0000840975 0000840975			
arameter hloride (water extractable) hloride (water extractable) hloride (water extractable) hloride (water extractable) itrate itrate itrate itrate itrate itrate itrate-Nitrite Nitrogen trate-Nitrite Nitrogen		Reading 10.1 10.1 10.3 10.3 10.0 10.0 10.2 10.3 5.29 5.31 5.39	Known 10.0 10.0 10.0 10.0 10.0 10.0 10.0 5.30 5.30 5.30	Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Recover% 101 101 103 103 100 100 102 103 99.8 100 102	Limits% 90.0 - 110 90.0 - 110	Out	File 0000840974 0000840990 0000840998 0000841002 0000840974 0000840990 0000841002 0000840998 0000840990 0000840974 0000841002			

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Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com

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Report To a

Printed 05/22/2009 Page 2 of 2

Project

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

318131	[So	<u>il</u>	en ander send i Sender State The sender sender sender	SW	-846 9056						
Ballan Marca Aller Make	121112	CONTRACTOR CONTRACTOR		CCV							
Parameter		Reading	Known	Units	Recover%	Limits%	Out	File			
vitrate-Nitrite Nitrogen		5.41	5.30	mg/kg	102	90.0 - 110		0000840998			
				LCS							
Parameter	PrepSet	Reading		Known	Units	Recover%	Limits	File	Out		
Chloride (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			
litrate-Nitrite Nitrogen	318047	0.523		0.530	mg/kg	98.7	90.0 - 110	0000840976			
				LCS D	ıp						
'arameter	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
'hloride (water extractable)	318047	0.971	0.981		1.00	90.0 - 110	97.1	98.1	mg/kg	1.02	20.0
litrate	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	a second						
arameter	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
ïtrate	099906	7.34	6.10	ND	10.0	80.0 - 120	73.4 *	61.0 *	mg/kg	18.5 *	10.0
itrate-Nitrite Nitrogen	099906	5.03	4.49	ND	5.30	80.0 - 120	94.9	84.7	mg/kg	11.4 *	10.0
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RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100%

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

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Page 2 of 3

January 22, 2010

Bob Allen Safety & Environmental Solutions, Inc. 703 East Clinton, #102 Hobbs, NM 88240

Re: Horse Pen (STE-03-003)

Enclosed are the results of analyses for sample number H19101, received by the laboratory on 01/19/10 at 5:15 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Method SW-846 8260 Method TX 1005 Benzene, Toluene, Ethyl Benzene, and Total Xylenes Benzene, Toluene, Ethyl Benzene, and Total Xylenes Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Method EPA 524.2 Method EPA 524.2 Haloacetic Acids (HAA-5) Total Trihalomethanes (TTHM) Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 5 (includes Chain of Custody)

Sincerely. Celey/D. Keene

Laboratory Director

This report conforms with NELAP requirements.

ANALYTICAL RESULTS FOR SAFETY & ENVIRONMENTAL SOLUTIONS ATTN: BOB ALLEN 703 E. CLINTON, #102 HOBBS, NM 88240 FAX TO: (575) 393-4388

Receiving Date: 01/19/10 Reporting Date: 01/21/10 Project Number: STE-03-003 (STEVENS & JOHNSON) Project Name: HORSE PEN Project Location: LEA CO., NM

Analysis Date: 01/21/10 Sampling Date: 01/18/10 Sample Type: SOIL Sample Condition: INTACT @ 18.5°C Sample Received By: JH Analyzed By: HM

		CI
LAB NO.	SAMPLE ID	(mg/kg)
H19101-1	BH #1 5'	<16
H19101-2	BH #1 10'	64
H19101-3	BH #1 15'	160
H19101-4	BH #2 5'	< 16
H19101-5	BH #2 10'	<16
H19101-6	BH #2 15'	<16
H19101-7	BH #3 2'	288
H19101-8	BH #3 7'	1,620
H19101-9	BH #3 12'	1,140
H19101-10	BH #3 17'	480
Quality Contr	ol	500
True Value Q	C	500
% Recovery		100
Relative Perc	ent Difference	< 0.1

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

Chemist

Date

H19101 SESI

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ANALYTICAL RESULTS FOR SAFETY & ENVIRONMENTAL SOLUTIONS ATTN: BOB ALLEN 703 E. CLINTON, #102 HOBBS, NM 88240 FAX TO: (575) 393-4388

Receiving Date: 01/19/10 Reporting Date: 01/21/10 Project Number: STE-03-003 (STEVENS & JOHNSON) Project Name: HORSE PEN Project Location: LEA CO., NM Analysis Date: 01/21/10 Sampling Date: 01/18/10 & 01/19/10 Sample Type: SOIL Sample Condition: INTACT @ 18.5°C Sample Received By: JH Analyzed By: HM

		CI
LAB NO.	SAMPLE ID	(mg/kg)
H19101-11	BH #3 22'	288
H19101-12	BH #4 SURFACE	96
H19101-13	BH #4 5'	624
H19101-14	BH #4 10'	1,200
H19101-15	BH #4 15'	224
H19101-16	BH #4 20'	400
H19101-17	BH #5 SURFACE	16
H19101-18	BH #5 10'	2,000
H19101-19	BH #5 15'	864
H19101-20	BH #5 20'	496
Quality Contr	0	500
True Value Q	С	500
% Recovery		100
Relative Perc	ent Difference	< 0.1

METHOD: Standard Methods Note: Analyses performed on 1:4 w:v aqueous extracts.

Ine Chemist

0/22/10

Date

H19101 SESI

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Address: 55ML	State: MMP Zip: 8'SZ40 Attn:	BILL TO ANALYSIS

April 16, 2010

Bob Allen Safety & Environmental Solutions, Inc. 703 East Clinton, #103 Hobbs, NM 88240

Re: STE-03-003 (Stevens & Johnson)

Enclosed are the results of analyses for sample number H19680, received by the laboratory on 04/14/10 at 3:30 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Method SW-846 8260 Method TX 1005 Benzene, Toluene, Ethyl Benzene, and Total Xylenes Benzene, Toluene, Ethyl Benzene, and Total Xylenes Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Method EPA 524.2 Method EPA 524.2 Haloacetic Acids (HAA-5) Total Trihalomethanes (TTHM) Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely, en

Celey D. Reene Laboratory Director

This report conforms with NELAP requirements.

ANALYTICAL RESULTS FOR SAFETY & ENVIRONMENTAL SOLUTIONS ATTN: BOB ALLEN 703 E. CLINTON, #103 HOBBS, NM 88240 FAX TO: (575) 393-4388

Receiving Date: 04/14/10 Reporting Date: 04/15/10 Project Number: STE-03-003 (STEVENS & JOHNSON) Project Name: HORSE PEN Project Location: LEA CO.

LAB NO.

Analysis Date: 04/15/10 Sampling Date: 04/07/10, 04/9/10, 04/12/10 & 4/13/10 Sample Type: SOIL Sample Condition: INTACT @ 23°C Sample Received By: JH Analyzed By: HM

CI (mg/kg)

	H19680-1	EAST WALL #2	80
-	H19680-2	EAST WALL #3	48
	H19680-3	NORTH WALL #3	160
	H19680-4	EAST WALL #1	48
	H19680-5	NORTH WALL #2	176
-	H19680-6	NORTH WALL #1	48
	H19680-7	SOUTH WALL	128
-			
	Quality Cont	rol	500
-	True Value C	2C	500
	% Recovery		100
	Relative Pen	cent Difference	< 0.1

SAMPLE ID

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

len Chemist

24/16/10

Date

H19680 SESI

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 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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Excavated area padded and leveled facing west

Excavated area padded and leveled facing north

Excavated area padded and leveled facing north

Excavated area padded and leveled facing west

Excavated area padded and leveled facing north

Excavated area padded and leveled facing south

Excavated area padded and leveled facing west

Excavated area lined facing northwest

Excavated area lined facing north

Excavated area lined facing north

Excavated area lined facing east

Excavated area lined facing west

Liner with heat wield

Excavated area lined facing southwest

Location area backfilled facing north

Location area backfilled facing north

Location area backfilled facing northeast

Location area backfilled facing east

Location area backfilled facing southeast

Location area backfilled facing north

Location area backfilled facing west

Location area backfilled facing south

Location area backfilled facing south

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