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Supplemental Phase II Soil Investigation Former Hunt Wessen Facility 1111 E. Covell Boulevard Davis, California

June 21, 2005

Prepared for:

Lewis Investment Company, LLC 9216 Kiefer Boulevard Sacramento, California 95826

Prepared by:

GeoTrans, Inc. 10860 Gold Center Drive, Suite 200 Rancho Cordova, California 95670

Project No. 4927.027.01

Keith Hoofard Senior Geologist

Tim Costello Senior Scientist

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Supplemental Phase II Soil Investigation Former Hunt Wessen Facility 1111 E. Covell Boulevard Davis, California

GeoTrans conducted a Screening Level Phase II soil and groundwater environmental assessment (Phase II EA) of the former Hunt Wessen facility in Davis, California (the Property), and presented the results in an April 1, 2005 report titled Screening Level Phase II Soil and Groundwater Assessment, Former Hunt Wessen Facility, 1111 E. Covell Boulevard, Davis, California. Field work was performed from January 10 to January 20, 2005 to assess soil and groundwater conditions at potential source areas within the Property.

The Property is a former tomato processing facility that supported two large warehouse style buildings totaling approximately 600,000 square feet, several outbuildings, and processing equipment for the tomato lines. Hunt-Wessen constructed the facility in the early 1960s and operated the plant until October 1999. ConAgra purchased the Property in October 1999, and much of the processing work appears to have discontinued by late 2001. Lewis Investment Company purchased the Property from ConAgra on May 19, 2004, with plans for mixed use redevelopment.

During the January 2005 sampling event, and as described in the April 1, 2005 report, an elevated concentration of total chromium was detected in one soil sample collected at 1-foot in depth from boring SB-7, completed within the former hazardous materials storage area. Also, elevated concentrations of selenium were found in three of the six grab-groundwater samples collected from across the Property.

The purpose of this supplemental Phase II soil investigation was to confirm the presence or absence of elevated chromium concentrations in soil around boring location SB-7. Also, the selenium detections in the January 2005 grab-groundwater samples were evaluated by researching available information about naturally occurring concentrations of selenium in groundwater in and around the Davis area. This work was conducted in accordance with GeoTrans' May 19, 2005 proposal.

Supplemental Phase II Soil Sampling

Borings Completed:

Five borings (HA-1 through HA-5) were completed to 5 feet in depth at and around prior boring SB-7 (Figure 1). Boring HA-1 was completed immediately adjacent to boring SB-7 to serve as a duplicate boring location, and to collect a duplicate sample. Borings HA-2 through HA-5 were completed approximately 10 feet north, east, south and west, of boring SB-7, respectively.

Date of Work:

May 25, 2005.

Drilling Method:

Hand auger. The concrete surface at each sample location

was cored by Penhall Company prior to drilling.

Boring Permit:

Not needed.

Soil Sampling

Method:

Samples were collected in glass jars using the hand auger. The auger decontaminated between borings using a Liquinox

and water solution.

Lithology:

The lithology at the site generally consists of yellowish brown to dark yellowish brown silty clay and clayey silt with fine sand to approximately 5 feet bgs (the maximum depth of soil samples). The soil exhibits low to moderate plasticity, and is generally firm to stiff. No unusual odor or soil discoloration

was noted in the soil samples collected.

Soil Cuttings:

Each boring was abandoned using the soil cuttings generated

from each boring, then replacing the concrete core.

Field Investigation Summary Table

Boring ID	Total Depth (feet)	Soil Sample Depth (feet)	Soil Sample Analyzed
HA-1	5	1 5	YES YES
HA-2	5	1 5	YES YES
НА-3	5	1 5	YES YES
HA-4	5	1 5	YES YES
HA-5	5	1 5	YES YES

Laboratory Analyses:

Soil samples were submitted for:

LUFT 5 Metals using EPA Method 6010

Analytical Results:

The analytical results are presented on the attached Table 1. Laboratory analytical data sheets and chain of custody forms are presented as Attachment 1.

In summary, no anomalous metals concentrations were detected in the five borings. The initial elevated total chromium sample result from the 1-foot sample at SB-7 was not

confirmed by the 1-foot sample from HA-1, or by any other sample analyzed from the five hand auger borings.

Discussion:

An elevated chromium concentration (640 ppm) was found at 1-foot in depth at boring SB-7 in the former hazardous materials storage area during the initial Phase II investigation in January 2005. This chromium concentration exceeded both the residential and commercial U.S. EPA Preliminary Remediation Goals (PRGs) of 210 and 450 ppm, respectively. The chromium concentration in the 5-foot soil sample from boring SB-7 was significantly lower at 99 ppm, and well below both the residential and commercial PRG values for chromium.

The chromium concentrations detected at 1-foot and 5-feet in depth from the five confirmation soil borings (HA-1 through HA-5) ranged from 82 ppm to 100 ppm. The 1- and 5-foot soil samples from boring HA-1, completed immediately adjacent to boring SB-7, did not confirm the elevated chromium concentration previously detected at one foot in depth.

Based on findings of the follow-up soil sampling, the initial elevated chromium concentration detected at boring SB-7 does not appear to represent soil conditions in the area investigated. The supplemental soil investigation performed did not confirm the presence of elevated chromium concentrations in soil. Further soil investigation does not appear necessary, and soil cleanup is not needed.

Selenium in Groundwater Literature Review

Three of the six grab-groundwater samples collected from across the Property in January 2005 contained selenium concentrations above the 50 ppb primary drinking water standard (also referred to as the "MCL", maximum contaminant level). Selenium is a trace element and also an essential nutrient. Grab-groundwater samples collected from borings SB-7, SB-8 and SB-11 contained selenium concentrations of 70, 94 and 180, respectively. While the groundwater that was sampled was shallow, first-encountered groundwater, and not part of an aquifer that would be considered suitable for drinking water, the detections still warranted follow-up review. No source of selenium to groundwater was discovered during the course of a previous Phase I EA of the Property, or during the Phase II EA. Therefore, to better put the selenium detections in context, a literature search was performed to assess known selenium concentrations in groundwater from the Davis and surrounding area to allow for a comparison to be made.

GeoTrans obtained background selenium data from shallow and deep wells in and around the Davis area from the following agencies:

- City of Davis, Public Works Dept.
- Yolo County Flood Control and Water Conservation District
- University of California, Davis; Unpublished Data from Davis Landfill

Selected selenium data are presented in Table 2, attached.

As shown in the Table 2, selenium concentrations in groundwater are variable in the Davis area. Shallow groundwater (40 – 60 feet in depth) near the Davis Landfill has documented selenium concentrations above the 50 ppb MCL value in three of the seven wells sampled, with a maximum value of 172 ppb.

The city of Davis analyzed 17 wells in the El Macero Water System and found selenium concentrations ranging from non-detect up to 45 ppb. These wells are "deep wells" that are screened below 330-feet in depth.

In a report prepared for the Yolo County Flood Control & Water Conservation District, titled *Groundwater Monitoring Program, Data Management System, and Update of Groundwater Conditions in the Yolo County Area*, selenium concentrations from the six closest shallow wells (< 150 feet in depth) to the Davis area ("Lower Cache-Putah Subbasin") ranged up to 57.7 ppb. Selenium sample results from 20 additional groundwater monitoring wells from the "Intermediate" zone (<150 ft – 500 ft in depth) ranged from <1 ppb to 62 ppb.

Selenium concentrations in groundwater from samples collected from 1969 to March 2004 were plotted on a Yolo County map (Figure 5.22, Luhdorff & Scalmanini). The map is attached and is taken from the Yolo County Flood Control & Water Conservation District report. The figure shows selenium concentrations in shallow groundwater (40 – 60 feet in depth) above 50 ppb in the Davis area.

Based on findings of the literature review, selenium concentrations detected in grab-groundwater samples collected from borings SB-7, SB-8 and SB-11 at the former Hunt Wessen facility (70 ppb, 94 ppb, 180 ppb) are not significantly dissimilar to what appear to be background values in shallow groundwater in and around the Davis area. The one detection of 180 ppb is higher than the data presented in the three references reviewed (the highest published value found was 172 ppb at the Davis landfill), but other samples collected across the former Hunt Wessen facility do not indicate that the 180 ppb concentration is prevalent across the facility.

Conclusions and Recommendation

Chromium impact to soil at the former hazardous waste storage area was not confirmed by the additional sampling performed in that area.

Elevated selenium concentrations in three of the seven groundwater samples analyzed from the Hunt Wessen site are not significantly dissimilar to what appear to be naturally occurring background levels in shallow groundwater in the Davis area. Also, no potential source of selenium impact to groundwater was found as a result of the Phase I/II EA performed at the Hunt Wessen site.

No further site assessment activities to address the chromium concentrations in soil or selenium concentrations in groundwater are recommended for the Property at this time.

TABLES

Soil Analytical Results - Metals

Former Hunt Wessen Facility 1111 E. Covell Boulevard Davis, California

				LUF	LUFT 5 Metals (mg/Kg)	ng/Kg)	
		Sample Depths					
Boring No.	Date	(feet bgs)	Cadmium	Chromium	Lead	Nickel	Zinc
SB-7	1/20/2005	1	< 0.50	640	< 0.25	930	26
		2	< 0.50	66	6.8	. 190	54
	The state of the s			and the second of the second o		**************************************	・ 一
HA-1	5/25/2005	1	< 1.0	94	< 10	160	54
		5	< 1.0	82	< 10	150	48
		The second secon				THE STATE OF STREET, SALES STATE OF THE STATE OF	
HA-2	5/25/2005	1	< 1.0	94	< 10	170	53
		5	< 1.0	96	< 10	160	53
	- A.C.				Part of the second	200 April 11 1 1 1 1 1 1 1 2 1 2 2 2 2 2 2 2 2 2	
HA-3	5/25/2005	1	< 1.0	95	< 10	150	48
		5	< 1.0	94	< 10	· 170	52
						The second secon	
HA-4	5/25/2005	_	< 1.0	96	< 10	180	59
		5	< 1.0	100	< 10	180	90
				THE RESERVOIS STATES		· 如果 · · · · · · · · · · · · · · · · · ·	
HA-5	5/25/2005	1	< 1.0	66	< 10	170	55
8 2		2	< 1.0	87	< 10		51
· 中華の日本 · · · · · · · · · · · · · · · · · · ·		報告の4 P ・ 場合では、 で	the state of the state of	the second of th		the second secon	
(2) U.S. EPA PRG		36	37/450	210/450	150*/800	1,600/20,000 23,000/100,000	000,001/0

(1) LUFT 5 Metals - Leaking Underground Fuel Tank metals by EPA Method 6010 Series.

(2) U.S. EPA PRG - United States Environmental Protection Agency, Region IX Preliminary Remediation Goals for residential/commercial land use scenarios, October 2004.

mg/Kg - milligrams per kilogram (parts per million - ppm).

* Cal-Modified PRG value.

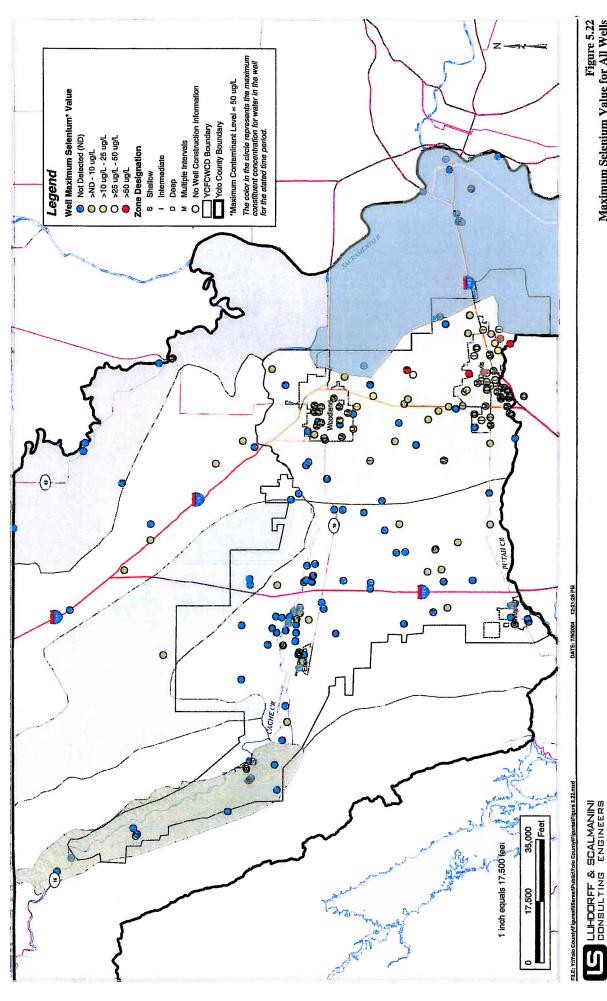
Table 2
Background Selenium Concentrations in
Davis Area Groundwater (ug/L)

	Minimum	Maximum
		Concentration
34/-11.15		(ug/L)
		47.00
	1 / 1	
		51.3
		6
	• • •	5.0
		31.0
		172.0
MW-HLA2	6.2	84.0
W1	8.00	12.00
W12	25.00	45.00
W14	2.00	20.00
W15	7.00	9.00
W19	8.00	21.00
W20	19.00	26.00
W21	3.00	4.00
W22	13.00	17.00
W23	9.00	12.00
W24	10.00	19.00
W25	9.00	12.00
		4.00
		15.00
1		6.00
		2.00
		4.00
	ND	ND
Six Wells	1	
	<15	57.70
	-10	
Twenty Wells	'	
	<1	62.00
	W12 W14 W15 W19 W20 W21 W22 W23	MW-DM1 ND MW-DM2 10.0 MW-DM3 ND MW-DM4 ND MW-DM5 ND MW-HLA1 25.0 MW-HLA2 6.2 W1 8.00 W12 25.00 W14 2.00 W15 7.00 W19 8.00 W20 19.00 W21 3.00 W22 13.00 W23 9.00 W24 10.00 W25 9.00 W26 2.00 W27 8.00 W28 4.00 W29 ND W30 ND W31 ND Six Wells <15

Note: MCL value for Selenium = 50 ug/L

ND = Not detected

FIGURES



Maximum Selenium Value for All Wells 1969 to March 2004 Yolo County

ATTACHMENT 1

Laboratory Analytical Data Sheets and Chain of Custody Form

California Laboratory Services

3249 Fitzgerald Road Rancho Cordova, CA 95742

May 31, 2005

CLS Work Order #: COE0795

COC#: 53926

Keith Hoofard Geotrans, Inc.-Sac 10860 Gold Center Dr., Suite 200 Rancho Cordova, CA 95670

Project Name: Hunt Wessen Site

Enclosed are the results of analyses for samples received by the laboratory on 05/25/05 15:10. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D. Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

05/31/05 13:07

Geotrans, Inc.-Sac

10860 Gold Center Dr., Suite 200

Rancho Cordova CA, 95670

Project: Hunt Wessen Site

Project Number: 4927.027.01

Project Manager: Keith Hoofard

CLS Work Order #: COE0795

COC#: 53926

Metals by EPA 6000/7000 Series Methods

HA-1-Ift (COE0795-01) Soil Sampled: 05/25/05 00:00 Received: 05/25/05 15:10 Codmium	
Chromium	
Chromium	
Lead ND 10	
Nickel 160 10 <t< td=""><td></td></t<>	
Alternative S4 S.0 Sampled: 05/25/05 00:00 Received: 05/25/05 15:10 Received: 05/25/05 15:	
Cadmium ND 1.0 mg/kg 1 CO03952 05/26/05 05/26/05 EPA 6010B Chromium 82 5.0 "	
Chromium 82 5.0 "	
Lead ND 10 " " " " " " " " "	
No	
Nickel 150 10 "	
HA-2-1ft (COE0795-03) Soil Sampled: 05/25/05 00:00 Received: 05/25/05 15:10	
Cadmium ND 1.0 mg/kg 1 CO03952 05/26/05 05/26/05 EPA 6010B Chromium 94 5.0 " " " " " " " " " " " " " " " " " " "	
Chromium 94 5.0 " <th< td=""><td></td></th<>	
Chromium 94 5.0 Lead ND 10 "	
Lead ND 10 Nickel 170 10 "	
Nickel 170 10 10 10 10 10 10 1	
Sampled: 05/25/05 00:00 Received: 05/25/05 15:10	
Cadmium ND 1.0 mg/kg 1 CO03952 05/26/05 05/26/05 EPA 6010B Chromium 96 5.0 " " " " " " " " " Lead ND 10 " " " " " " " " " " "	
Chromium 96 5.0 " " " " " Lead ND 10 " " " " " " "	
Chromium 96 5.0 Lead ND 10 " " " " " " " " "	
Lead NIJ 10	
and the second s	
Nickel 160 10	
Zine 53 5.0 " " " " "	
HA-3-1ft (COE0795-05) Soil Sampled: 05/25/05 00:00 Received: 05/25/05 15:10	
Cadmium ND 1.0 mg/kg 1 CO03952 05/26/05 05/26/05 EPA 6010B	
Chromium 95 5.0 " " " " " "	
Lead ND 10 " " " " "	
Nickel 150 10 " " " " " "	
Zinc 48 5.0 " " " " " "	
HA-3-5ft (COE0795-06) Soil Sampled: 05/25/05 00:00 Received: 05/25/05 15:10	
Cadmium ND 1.0 mg/kg 1 CO03952 05/26/05 05/26/05 EPA 6010B	
Chromium 94 5.0 " " " " "	
Lead ND 10 " " " " "	
Nickel 170 10 " " " " " "	
Zine 52 5.0 " " " " "	
HA-4-1ft (COE0795-07) Soil Sampled: 05/25/05 00:00 Received: 05/25/05 15:10	

California Laboratory Services

05/31/05 13:07

Geotrans, Inc.-Sac

10860 Gold Center Dr., Suite 200

Rancho Cordova CA. 95670

Project: Hunt Wessen Site

Project Number: 4927.027.01

Project Manager: Keith Hoofard

CLS Work Order #: COE0795

COC #: 53926

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-4-1ft (COE0795-07) Soil	Sampled: 05/25/05 00:00	Received:	05/25/05	15:10					
Cadmium	ND	1.0	mg/kg	I	CO03952	05/26/05	05/26/05	EPA 6010B	
Chromium	96	5.0	11	et	11	11	11	II	
Lead	ND	10	n.	\$1	u	н	12	78	
Nickel	180	10	H	11	11	я	17	n	
Zinc	59	5.0	IT	n	h	11	tt	ti .	
HA-4-5ft (COE0795-08) Soil	Sampled: 05/25/05 00:00	Received:	05/25/05	15:10					
Cadmium	ND	1.0	mg/kg	1	CO03952	05/26/05	05/26/05	EPA 6010B	
Chromium	100	5.0	*1)	I A	Ħ	ŧi	n	1F	
Lead	ND	10	13	u	tr	11	н	h	
Nickel	180	10	**	.0	11	11	\$¢	ıı	
Zinc	60	5.0	tı	ti	11	11	н	u	
HA-5-1ft (COE0795-09) Soil	Sampled: 05/25/05 00:00	Received:	05/25/05	15:10					
Cadmium	ND	1.0	mg/kg	1	CO03952	05/26/05	05/26/05	EPA 6010B	
Chromium	99	5.0	11	11	n)1	n	n	
Lead	ND	10	1f	н	b.	n	**	н	
Nickel	170	10	n	u	n	9t	"	В	
Zinc	55	5.0	11	17	n	*1	н	n	
HA-5-5ft (COE0795-10) Soil	Sampled: 05/25/05 00:00	Received:	05/25/05	15:10		y == 2			
Cadmium	NI)	1.0	mg/kg	1	CO03952	05/26/05	05/26/05	EPA 6010H	
Chromium	87	5.0	4	tr	11	11	п	36	
Lead	ND	10	si '		ř	FC .	11	17	
Nickel	160	10	N	n	u	1.	H	D	
Zinc	51	5.0	Ħ	11	11	u	Ħ	Y.	

CALIFORNIA LABORATORY SERVICES

05/31/05 13:07

Geotrans, Inc.-Sac

10860 Gold Center Dr., Suite 200 Rancho Cordova CA, 95670

Project: Hunt Wessen Site

Project Number: 4927.027.01

Project Manager: Keith Hoofard

CLS Work Order #: COE0795

COC#: 53926

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO03952 - EPA 3050B				1000 a						
Blank (CO03952-BLK1)				Prepared	& Analyz	ed: 05/26/	05			
Cadmium	ND	1.0	mg/kg		4					
Chromium	ND	5.0	n							
Lead .	ND	10	n							
Nickel	ND	10	u u							
Zinc	ND	5.0	и							
LCS (CO03952-BS1)			•	Prepared	& Analyz	ed: 05/26/	05			
Cadmium	2.38	1.0	mg/kg	2.50		95.2	75-125		7. (5)	
Chromium	9.93	5.0	11	10.0		99.3	75-125			
Lend	24.6	10	n	25.0		98.4	75-125			
Nickel	25.1	10	11	25.0		100	75-125			
Zine	23.8	5.0	n	25.0		95.2	75-125			
LCS Dup (CO03952-BSD1)				Prepared	& Analyz	ed: 05/26/	05			
Cadmium	2.32	1.0	mg/kg	2.50	·= ·: ·: ·: ·:	92.8	75-125	2.55	25	
Chromium	10.2	5.0	II .	10.0		102	75-125	2.68	25	
Lead	25.0	10	n	25.0		100	75-125	1.61	25	
Nicke!	24.8	10	11	25.0		90.2	75-125	1.20	25	
Zinc	23.	5.4	*	25.0		94.8	75-125	0.421	25	
Matrix Spike (CO03952-MS)	Source: COE0789-81		Prepared & Analyzed: 05/26/05							
Cadmium	2.27	1.0	mg/kg	2.50	0.32	78.0	75-125			
Chromium	39.2	5.0	11	10.0	18	212	75-125			QM-
Lead	25.2	10	н	25.0	2.9	89.2	75-125			
Nickel	31.6	10	Ħ	25.0	7.6	96.0	75-125			
Zinc	50.4	5.0	**	25.0	26	97.6	75-125			
Matrix Spike Dup (CO03952-MSD1)	Sot	Source: COE0789-81		Prepared & Analyzed: 05/26/05						
Cadmium	2.57	1.0	mg/kg	2.50	0.32	90.0	75-125	12.4	30	
Chromium	40.8	5.0	н	10.0	18	228	75-125	4.00	30	QM
Lead	27.3	10	n	25.0	2.9	97.6	75-125	8.00	30	
Nickel	33.4	10	n	25.0	7.6	103	75-125	5.54	30	
Zinc	45.2	5.0	n	25.0	26	76.8	75-125	10.9	30	

California Laboratory Services

05/31/05 13:07

Geotrans, Inc.-Sac

10860 Gold Center Dr., Suite 200 Rancho Cordova CA, 95670 Project:

Hunt Wessen Site

Project Number: 4927.027.01

Project Manager: Keith Hoofard

CLS Work Order #: COE0795

COC#: 53926

Notes and Definitions

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were

within acceptance limits showing that the laboratory is in control and the data is acceptable.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference