CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
LCX
ATTN: JOHN LOWERY
110 N. MARIENFELD, SUITE #200
MIDLAND, TX 79701
FAX TO: (432) 687-2521, (575) 622-0233
& (575) 578-0180

Receiving Date: 03/28/08
Reporting Date: 03/28/08
Project Number: KINCAID WELL
Project Name: #111
Project Location: EDDY COUNTY, NM

Analysis Date: 03/28/08
Sampling Date: 03/27/08
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl^- (mg/kg)
H14527-1	SOUTH EAST	512
H14527-2	SOUTH WEST	1,550
H14527-3	SOUTH WALL	48
H14527-4	NORTH WALL	1,260
H14527-5	NORTH FLOOR	1,170
Quality Control		490
True Value QC		500
% Recovery		98.0
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl-B

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

Chemist

03-28-08
Date

H14527 LCX

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page_____ of_____

Company Name:	LCX ENERGY	**BILL TO**	
Project Manager:	Jhon Lowery	P.O. #:	
Address:	110 N Marine Field	Company:	
City:	Midland TX State: TX Zip: 79701	Attn:	LCX
Phone #:	432-262 4044 Fax #: 432-687-2521	Address:	
Project #:	Kinkaid well Project Owner:	City:	
Project Name:	# 111	State: Zip:	
Project Location:	EDDY CT	Phone #:	
Sampler Name:	Felix M	Fax #:	

ANALYSIS REQUEST

Chlorides

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides
1	South East	X				X							3-27	3pm	✓
H14527-2	South west	X				X							3-27	3:01 pm	✓
-3	South wall	X				X							3-27	3:02 pm	✓
-4	North wall	X				X							3-27	3:03 pm	✓
-5	north Floor	X				X							3-27	3:04 pm	✓
		X				X							3-27	3:04 pm	✓

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: 3-27	Received By:	
	Time: 10:00	Misty LeBert	
Relinquished By:	Date:	Received By:	
	Time:		
Delivered By: (Circle One)	Temp.	Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials) MCBB
Sampler - UPS - Bus - Other:			

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:
Phone results to mike nicols 505 420 7942
Daymon Box 505 910 6119
Fax to mike nicols 505-622-0223
Daymon Box 505-578-0181
Email to mike Brothers@state.nm.us

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

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ANALYTICAL RESULTS FOR
LCX
ATTN: JOHN LOWERY
110 N. MARIENFELD, SUITE #200
MIDLAND, TX 79701
FAX TO: (432) 687-2521, (575) 622-0233
& (575) 578-0180

Receiving Date: 03/26/08
Reporting Date: 03/27/08
Project Number: 1724 KINCAID
Project Name: WELL #111
Project Location: EDDY COUNTY, NM

Analysis Date: 03/27/08
Sampling Date: 03/26/08
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl^- (mg/kg)
H14516-1	NORTH FLOOR	1,710
H14516-2	SOUTH FLOOR	1,620
H14516-3	NORTH WALL	1,090
H14516-4	EAST WALL	784
H14516-5	SOUTH WALL	1,070
H14516-6	WEST WALL	512
Quality Control		490
True Value QC		500
% Recovery		98.0
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl-B

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

Hope S. Moreno
Chemist

03-27-08
Date

H14516 LCX

CARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name:	LCX ENERGY	BILL TO	
Project Manager:	Jack Lowery	P.O. #:	
Address:	110 N Marienfield	Company:	
City:	Midland State: TX Zip: 79701	Attn:	LCX
Phone #:	432-262-4011 Fax #: 432 687 2521	Address:	
Project #:	1704 Kirkland Project Owner: LCX	City:	
Project Name:	Well # 111	State: Zip:	
Project Location:	EDDY County	Phone #:	
Sampler Name:	Rick M	Fax #:	

ANALYSIS REQUEST: Chlorides

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE / COOL	OTHER:	SAMPLING: DATE	TIME
H14516-1	North Floor	X				X							3-26-08	2pm
-2	South Floor	X				X							3-26	2:01
-3	North Wall	X				X							3-26	2:02
-4	East Wall	X				X							3-26	2:03
-5	South Wall	X				X							3-26	2:04
-6	West Wall	X				X							3-26	2:05pm

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Relinquished By:	Date: 3/26/08 Time: 3:55p	Received By:	Phone Result: ☒ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☒ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool: ☐ Yes ☐ No Intact: ☒ Yes ☐ No	CHECKED BY: (Initials) MCRB	REMARKS: Phone Results to Mike Nicols 505-622-6229 Raymond Bon 505-578-0161 6119 Fax to Mike Nicols 505-622-6229 Raymond Bon 505-578-0161 Email to Mike Bradford@state.nm.us

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

RUSH!

Summary Report

Floyd Steed
Floyd Steed
P.O. Box 214
Artesia, NM, 88210

Report Date: August 10, 2007

Work Order: 7080922

Project Name: Kincaid State No. 1117

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
132555	S. Wall Comp	soil	2007-08-08	09:00	2007-08-09
132556	E. Wall Comp	soil	2007-08-08	10:30	2007-08-09

	BTEX				MTBE	TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
132555 - S. Wall Comp	<0.0100	<0 0100	<0.0100	<0.0100		<50.0	<1 00
132556 - E. Wall Comp	<0.0100	<0.0100	<0.0100	<0 0100		<50.0	**8.05**

Sample: 132555 - S. Wall Comp

Param	Flag	Result	Units	RL
Chloride		**6390**	mg/Kg	5.00

Sample: 132556 - E. Wall Comp

Param	Flag	Result	Units	RL
Chloride		**12000**	mg/Kg	5.00

TRACEANALYSIS, INC.
6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 (800) 378-1296 (806) 794-1296 FAX (806) 794-1298
4200 East Skelly Drive, Suite E El Paso, Texas 79905 (888) 588-3443 (915) 585-3443 FAX (915) 585-4944
5002 Basin Street, Suite A1 Midland, Texas 79703 (432) 689-6301 FAX (432) 689-6313
6017 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 (817) 201-5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Floyd Steed
Floyd Steed
P.O. Box 214
Artesia, NM, 88210

Report Date: August 10, 2007

Work Order: 7080922

Project Name: Kincaid State No. 1117
Project Number: Kincaid State No. 1117

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
132555	S. Wall Comp	soil	2007-08-08	09:00	2007-08-09
132556	E. Wall Comp	soil	2007-08-08	10:30	2007-08-09

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Kincaid State No. 1117 were received by TraceAnalysis, Inc. on 2007-08-09 and assigned to work order 7080922. Samples for work order 7080922 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B
Chloride (Titration)	SM 4500-Cl B
TPH DRO	Mod. 8015B
TPH GRO	S 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7080922 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 132555 - S. Wall Comp

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	39898	Date Analyzed:	2007-08-09	Analyzed By:	MT
Prep Batch:	34534	Sample Preparation:	2007-08-09	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.10	mg/Kg	1	1.00	110	52.1 - 131
4-Bromofluorobenzene (4-BFB)		1.05	mg/Kg	1	1.00	105	48.7 - 146

Sample: 132555 - S. Wall Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39902	Date Analyzed:	2007-08-09	Analyzed By:	ER
Prep Batch:	34537	Sample Preparation:	2007-08-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**6390**	mg/Kg	100	5.00

Sample: 132555 - S. Wall Comp

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39914	Date Analyzed:	2007-08-09	Analyzed By:	TG
Prep Batch:	34544	Sample Preparation:	2007-08-09	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		189	mg/Kg	1	150	126	62.5 - 164

Sample: 132555 - S. Wall Comp

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39899	Date Analyzed:	2007-08-09	Analyzed By:	MT
Prep Batch:	34534	Sample Preparation:	2007-08-09	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.17	mg/Kg	1	1.00	117	33.2 - 160
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	10 - 227

Sample: 132556 - E. Wall Comp

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	39898	Date Analyzed:	2007-08-09	Analyzed By:	MT
Prep Batch:	34534	Sample Preparation:	2007-08-09	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.12	mg/Kg	1	1.00	112	52.1 - 131
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	48.7 - 146

Sample: 132556 - E. Wall Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39902	Date Analyzed:	2007-08-09	Analyzed By:	ER
Prep Batch:	34537	Sample Preparation:	2007-08-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**12000**	mg/Kg	100	5.00

Sample: 132556 - E. Wall Comp

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39914	Date Analyzed:	2007-08-09	Analyzed By:	TG
Prep Batch:	34544	Sample Preparation:	2007-08-09	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		200	mg/Kg	1	150	133	62.5 - 164

Sample: 132556 - E. Wall Comp

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39899	Date Analyzed:	2007-08-09	Analyzed By:	MT
Prep Batch:	34534	Sample Preparation:	2007-08-09	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**8.05**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.18	mg/Kg	1	1.00	118	33.2 - 160
4-Bromofluorobenzene (4-BFB)		1.32	mg/Kg	1	1.00	132	10 - 227

Method Blank (1) QC Batch: 39898

QC Batch:	39898	Date Analyzed:	2007-08-09	Analyzed By:	MT
Prep Batch:	34534	QC Preparation:	2007-08-09	Prepared By:	MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00333	mg/Kg	0.01
Toluene		<0.00372	mg/Kg	0.01
Ethylbenzene		<0.00206	mg/Kg	0.01
Xylene		<0.00259	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.991	mg/Kg	1	1.00	99	73.2 - 113
4-Bromofluorobenzene (4-BFB)		0.555	mg/Kg	1	1.00	56	54 - 102

Method Blank (1) QC Batch: 39899

QC Batch:	39899	Date Analyzed:	2007-08-09	Analyzed By:	MT
Prep Batch:	34534	QC Preparation:	2007-08-09	Prepared By:	MT

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	1	1.00	101	73.2 - 125
4-Bromofluorobenzene (4-BFB)		0.567	mg/Kg	1	1.00	57	51.9 - 110

Method Blank (1) QC Batch: 39902

QC Batch:	39902	Date Analyzed:	2007-08-09	Analyzed By:	ER
Prep Batch:	34537	QC Preparation:	2007-08-09	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

Method Blank (1) QC Batch: 39914

QC Batch: 39914 | Date Analyzed: 2007-08-09 | Analyzed By: TG
Prep Batch: 34544 | QC Preparation: 2007-08-09 | Prepared By: TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 39898 | Date Analyzed: 2007-08-09 | Analyzed By: MT
Prep Batch: 34534 | QC Preparation: 2007-08-09 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.949	mg/Kg	1	1.00	<0.00333	95	76.3 - 117
Toluene	0.944	mg/Kg	1	1.00	<0.00372	94	77.3 - 114
Ethylbenzene	0.926	mg/Kg	1	1.00	<0.00206	93	75.4 - 115
Xylene	2.80	mg/Kg	1	3.00	<0.00259	93	73.2 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.991	mg/Kg	1	1.00	<0.00333	99	76.3 - 117	4	20
Toluene	0.990	mg/Kg	1	1.00	<0.00372	99	77.3 - 114	5	20
Ethylbenzene	0.975	mg/Kg	1	1.00	<0.00206	98	75.4 - 115	5	20
Xylene	2.94	mg/Kg	1	3.00	<0.00259	98	73.2 - 112	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.952	0.998	mg/Kg	1	1.00	95	100	74.5 - 113
4-Bromofluorobenzene (4-BFB)	0.856	0.893	mg/Kg	1	1.00	86	89	68.3 - 110

Laboratory Control Spike (LCS-1)

QC Batch: 39899 | Date Analyzed: 2007-08-09 | Analyzed By: MT
Prep Batch: 34534 | QC Preparation: 2007-08-09 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.07	mg/Kg	1	10.0	<0.459	91	79.6 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.75	mg/Kg	1	10.0	<0.459	98	79.6 - 113	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.967	0.980	mg/Kg	1	1.00	97	98	77.1 - 117
4-Bromofluorobenzene (4-BFB)	0.818	0.817	mg/Kg	1	1.00	82	82	78.1 - 118

Laboratory Control Spike (LCS-1)

QC Batch: 39902 Date Analyzed: 2007-08-09 Analyzed By: ER
Prep Batch: 34537 QC Preparation: 2007-08-09 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.4	mg/Kg	1	100	<3.25	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	98.6	mg/Kg	1	100	<3.25	99	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39914 Date Analyzed: 2007-08-09 Analyzed By: TG
Prep Batch: 34544 QC Preparation: 2007-08-09 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	241	mg/Kg	1	250	<10.7	96	64.1 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	237	mg/Kg	1	250	<10.7	95	64.1 - 124	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	188	191	mg/Kg	1	150	125	127	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 132555

QC Batch: 39898 | Date Analyzed: 2007-08-09 | Analyzed By: MT
Prep Batch: 34534 | QC Preparation: 2007-08-09 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.658	mg/Kg	1	1.00	<0.00333	66	39.6 - 141
Toluene	0.703	mg/Kg	1	1.00	<0.00372	70	45.4 - 138
Ethylbenzene	0.749	mg/Kg	1	1.00	<0.00206	75	48 - 141
Xylene	2.28	mg/Kg	1	3.00	<0.00259	76	45.3 - 142

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.515	mg/Kg	1	1.00	<0.00333	52	39.6 - 141	24	20
Toluene	0.550	mg/Kg	1	1.00	<0.00372	55	45.4 - 138	24	20
Ethylbenzene	0.595	mg/Kg	1	1.00	<0.00206	60	48 - 141	23	20
Xylene	1.81	mg/Kg	1	3.00	<0.00259	60	45.3 - 142	23	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.16	1.21	mg/Kg	1	1	116	121	51.5 - 138
4-Bromofluorobenzene (4-BFB)	1.17	1.20	mg/Kg	1	1	117	120	52.2 - 139

Matrix Spike (MS-1) Spiked Sample: 132555

QC Batch: 39899 | Date Analyzed: 2007-08-09 | Analyzed By: MT
Prep Batch: 34534 | QC Preparation: 2007-08-09 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.02	mg/Kg	1	10.0	<0.459	90	40.7 - 157

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	10.9	mg/Kg	1	10.0	<0.459	109	40.7 - 157	19	19.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.31	1.12	mg/Kg	1	1	131	112	34.9 - 155
4-Bromofluorobenzene (4-BFB)	1.30	1.31	mg/Kg	1	1	130	131	58.5 - 153

Matrix Spike (MS-1) Spiked Sample: 132556

QC Batch: 39902 | Date Analyzed: 2007-08-09 | Analyzed By: ER
Prep Batch: 34537 | QC Preparation: 2007-08-09 | Prepared By: MM

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[1]	13100	mg/Kg	100	10000	12027.3	11	84.6 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	[2]	13300	mg/Kg	100	10000	12027.3	13	84.6 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 132556

QC Batch: 39914 | Date Analyzed: 2007-08-09 | Analyzed By: TG
Prep Batch: 34544 | QC Preparation: 2007-08-09 | Prepared By: TG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	[3]	580	mg/Kg	1	250	<10.7	232	47.5 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	[4]	544	mg/Kg	1	250	<10.7	218	47.5 - 127	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	178	186	mg/Kg	1	150	119	124	62.5 - 164

Standard (ICV-1)

QC Batch: 39898 | Date Analyzed: 2007-08-09 | Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0929	93	85 - 115	2007-08-09
Toluene		mg/Kg	0.100	0.0935	94	85 - 115	2007-08-09
Ethylbenzene		mg/Kg	0.100	0.0922	92	85 - 115	2007-08-09
Xylene		mg/Kg	0.300	0.278	93	85 - 115	2007-08-09

Standard (CCV-1)

QC Batch: 39898 | Date Analyzed: 2007-08-09 | Analyzed By: MT

[1]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[3]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[4]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0969	97	85 - 115	2007-08-09
Toluene		mg/Kg	0.100	0.0972	97	85 - 115	2007-08-09
Ethylbenzene		mg/Kg	0.100	0.0947	95	85 - 115	2007-08-09
Xylene		mg/Kg	0.300	0.287	96	85 - 115	2007-08-09

Standard (ICV-1)

QC Batch: 39899 Date Analyzed: 2007-08-09 Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.863	86	85 - 115	2007-08-09

Standard (CCV-1)

QC Batch: 39899 Date Analyzed: 2007-08-09 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.962	96	85 - 115	2007-08-09

Standard (ICV-1)

QC Batch: 39902 Date Analyzed: 2007-08-09 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-08-09

Standard (CCV-1)

QC Batch: 39902 Date Analyzed: 2007-08-09 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.4	99	85 - 115	2007-08-09

Standard (ICV-1)

QC Batch: 39914 Date Analyzed: 2007-08-09 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	261	104	85 - 115	2007-08-09

Standard (CCV-1)

QC Batch: 39914 Date Analyzed: 2007-08-09 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	243	97	85 - 115	2007-08-09

LAB Order ID # 7080922 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689 6301, Fax (432) 689-6313
200 East Sunset Rd. Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
6015 Harris Pkwy., Suite 110, Ft Worth, Texas 76132, Tel (817) 201-5260

Company Name: Floyd Steed
Phone #: 505-513-1668
Address: (Street, City, Zip) PO Box 214, Artesia, NM 88210
Fax #:
Contact Person: Floyd Steed
E-mail: floydsteed@yahoo.com
Invoice to: (If different from above)
Project #: Rincard State No. 1117
Project Name: Rincard
Project Location (including state):
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
132555	S wall comp.	1			X							X		8/8/07	2000
556	E wall comp.	1			X							X		8/8/07	1830

MTBE 8021B / 602 / 8260B / 624
BTEX 8021B / 602 / 8260B / 624
TPH 418.1 / TX1005 / TX1005 Ext(C35)
TPH 8015 GRO / DRO / TVHC
PAH 8270C / 625
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7
TCLP Metals Ag As Ba Cd Cr Pb Se Hg
TCLP Volatiles
TCLP Semi Volatiles
TCLP Pesticides
RCI
GC/MS Vol 8260B / 624
GC/MS Semi Vol 8270C / 625
PCB's 8082 / 608
Pesticides 8081A / 608
BOD, TSS, pH
Moisture Content
Turn Around Time if different from standard
Hold

Soil Cl2 BTEX, TPH

Email results to:
floydsteed@yahoo.com
mikebratcher@state.nm.us
craigl@zianet.com

Icee shipment

South wall composite location GPS: N 32° 51' 24.5' W 104° 33' 53.4'
E wall composite location GPS: N 32° 51' 24.5' W 104° 33° 54.7'

Test initial from pit area.

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Chris Winkler	8/8/07				
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				8/8/07	1100

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

LAB USE ONLY

Intact Y N
Headspace Y N
Temp 4
Log-in-Review

REMARKS:

- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting Limits Are Needed

Carrier # Bus GLI 304197120

Bratcher, Mike, EMNRD

From: McDonald, Clayton Alan [camcdonald@terracon.com]
Sent: Thursday, December 28, 2006 11:01 AM
To: Bratcher, Mike, EMNRD
Cc: Larry Gillette
Subject: LCX Energy - Kincaid ~~1729~~ Well #111 30-015-34248
Attachments: Lab data & sample location photos 12-20-06.pdf; Lab data & sample location photos 12-13-06.pdf

Mike

The attached folders contain the photos and lab data for the soil sample collections dated 12-13-06 and 12-20-06. The crews are backfilling the excavation utilizing the blended soil pile as discussed, saving the top soil for the final site restoration. The lab data from 12-20-06 has a sample labeled SP-1220 ... this is for the excavated material we will be transporting to the disposal facility.

<<Lab data & sample location photos 12-20-06.pdf>> <<Lab data & sample location photos 12-13-06.pdf>>

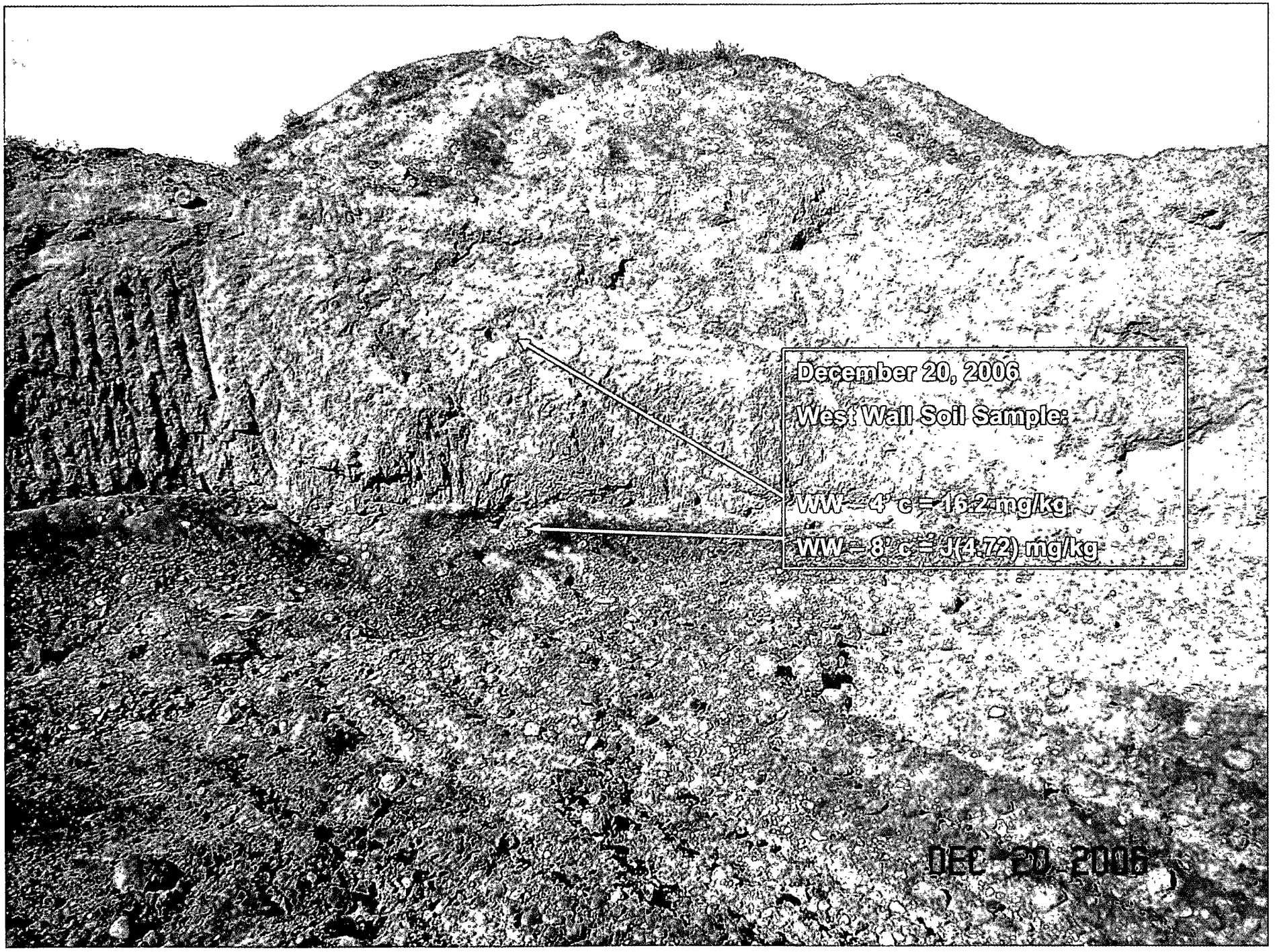
When the final site restoration activities have been completed I will collect final photos for submission with the written report.

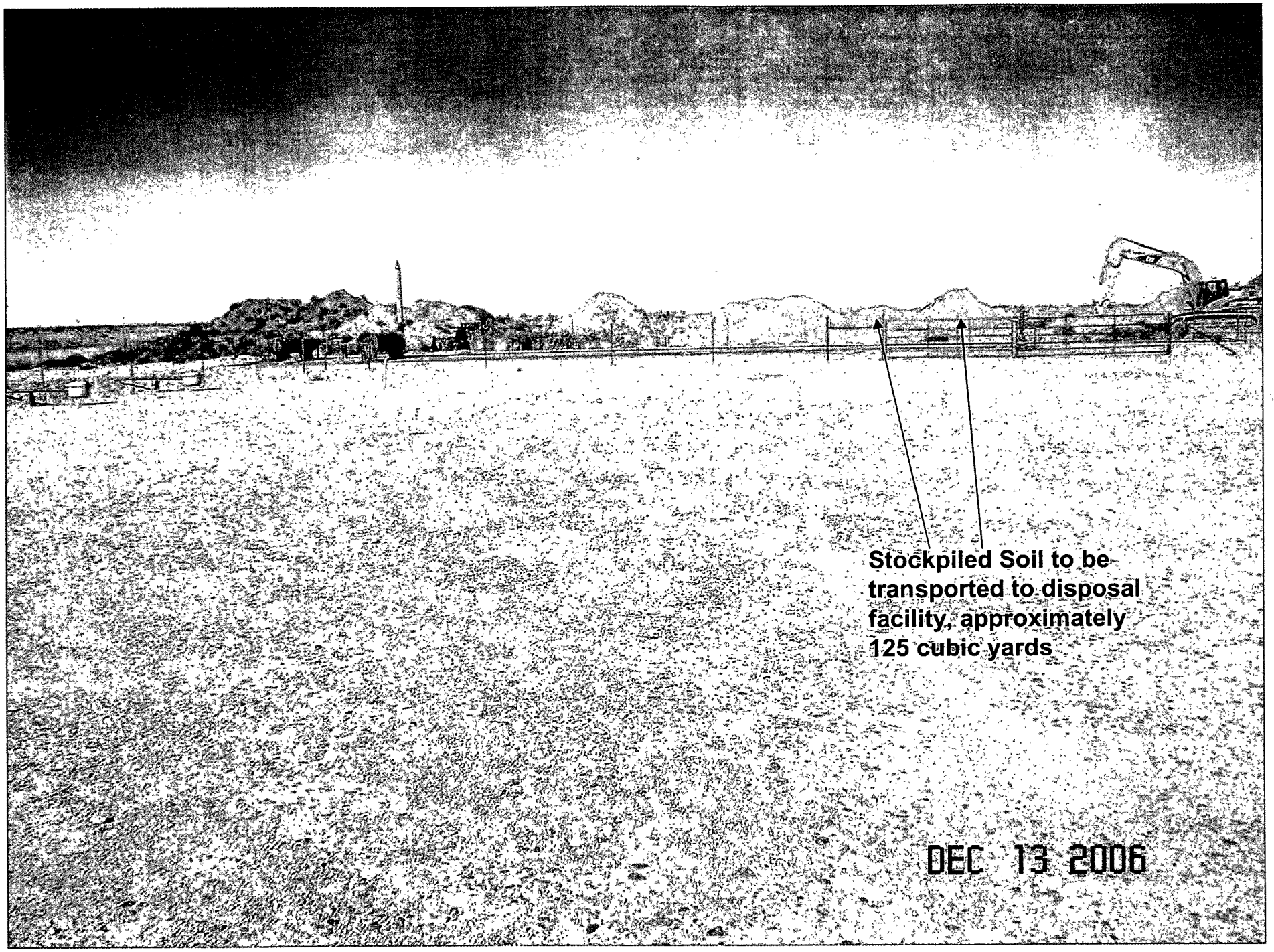
Thank you for your patience and guidance on this remediation project. If you have any questions please contact me.

Clayton A. McDonald
Office Manager
Terracon
24 Smith Road, Ste. 261 I Midland, Texas 79705
P 432-684-9600 I F 432-684-9608 I M 432-631-2205
camcdonald@terracon.com I **www.terracon.com**

Terracon is a dynamic and growing consulting firm of engineers and scientists

providing multiple related service lines to local, regional, and national clients.


December 20, 2006
West Wall Soil Sample:
WW – 4' c = 16.2 mg/kg
WW – 8' c = J(4.72) mg/kg
DEC 20 2006


Stockpiled Soil to be transported to disposal facility, approximately 125 cubic yards
DEC 13 2006

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Clay McDonald

Terracon Consulting, Inc.

24 Smith Road, Ste. 261

Midland, TX 79705

Project: Kincaid 1724 Well #111

Project Number: 94068156

Location: None Given

Lab Order Number: 6L20007

Report Date: 12/21/06

Terracon Consulting, Inc 24 Smith Road, Ste 261 Midland TX, 79705	Project Kincaid 1724 Well #111 Project Number 94068156 Project Manager Clay McDonald	Fax (432) 684-9608

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WW-4' C	6L20007-01	Soil	12/20/06 11 30	12-20-2006 15 45
WW-8' C	6L20007-02	Soil	12/20/06 11 45	12-20-2006 15 45
BP-Wb	6L20007-03	Soil	12/20/06 12 00	12-20-2006 15 45
BP-Eb	6L20007-04	Soil	12/20/06 12 05	12-20-2006 15 45
SP-1220	6L20007-05	Soil	12/20/06 12 15	12-20-2006 15 45

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Terracon Consulting, Inc	Project Kincaid 1724 Well #111	Fax (432) 684-9608
24 Smith Road, Ste 261	Project Number 94068156	
Midland TX, 79705	Project Manager Clay McDonald	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WW-4' C (6L20007-01) Soil									
Chloride	**16.2**	5.00	mg/kg	10	EL62102	12/20/06	12/21/06	EPA 300.0	
WW-8' C (6L20007-02) Soil									
Chloride	**J [4.72]**	5.00	mg/kg	10	EL62102	12/20/06	12/21/06	EPA 300.0	J
BP-Wb (6L20007-03) Soil									
Chloride	**873**	20.0	mg/kg	40	EL62102	12/20/06	12/21/06	EPA 300.0	
BP-Eb (6L20007-04) Soil									
Chloride	**969**	25.0	mg/kg	50	EL62102	12/20/06	12/21/06	EPA 300.0	
SP-1220 (6L20007-05) Soil									
Chloride	**3860**	50.0	mg/kg	100	EL62102	12/20/06	12/21/06	EPA 300.0	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Terracon Consulting, Inc	Project Kincaid 1724 Well #111	Fax (432) 684-9608
24 Smith Road, Ste 261	Project Number 94068156	
Midland TX, 79705	Project Manager Clay McDonald	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL62102 - Water Extraction										
Blank (EL62102-BLK1)				Prepared & Analyzed 12/20/06						
Chloride	ND	0 500	mg/kg							
LCS (EL62102-BS1)				Prepared & Analyzed 12/20/06						
Chloride	9 62	0 500	mg/kg	10 0		96 2	80-120			
Calibration Check (EL62102-CCV1)				Prepared & Analyzed 12/20/06						
Chloride	9 55		mg/kg	10 0		95 5	80-120			
Duplicate (EL62102-DUP1)		**Source: 6L19007-01**		Prepared & Analyzed 12/20/06						
Chloride	19 5	5 00	mg/kg		18 8			3 66	20	
Matrix Spike (EL62102-MS1)		**Source: 6L19007-01**		Prepared & Analyzed 12/20/06						
Chloride	121	5 00	mg/kg	100	18 8	102	80-120			

Terracon Consulting, Inc	Project Kincaid 1724 Well #111	Fax (432) 684-9608
24 Smith Road, Ste 261	Project Number 94068156	
Midland TX, 79705	Project Manager Clay McDonald	

Notes and Definitions

J	Detected but below the Reporting Limit, therefore, result is an estimated concentration (CLP J-Flag)
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
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 12/21/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

ENVIRONMENTAL, GEOTECHNICAL AND CONSTRUCTION MATERIALS SERVICES

CHAIN OF CUSTODY RECORD

HBC Terracon
Consulting Engineers & Scientists

Office Location: Midland

Project Manager: Clay McDonald

Laboratory: Eliot

Address: on file

Contact:

Phone:

PO/SO #:

Sampler's Name: Clay McDonald

Sampler's Signature: Clayton McDonald

Proj. No: 94068156

Project Name: Kincaid 1724 well #11

No/Type of Containers: 5-4oz glass

ANALYSIS REQUESTED: Chlorides

Lab use only
Due Date:

Temp of coolers when received (C°): 2.0°C

1 | 2 | 3 | 4 | 5

Page 1 of 1

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Chlorides	Lab Sample ID (Lab Use Only)
S	12/20/06	11:30		X	WW-4'C				X	4	6L 20007-01
		11:45		X	WW-8'C						-02
		12:00	X		TBP-W6						-03
		12:05	X		TBP-E6						-04
		12:15	X		SP-1220						-05

Turn around time: ☐ Normal ☐ 50% Rush ☒ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	12/20/06	3:45			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature) Jeanne Mcmurry	Date: 12/20/06	Time: 15:45

Barrette Bate
Clay McDonald
email results

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other 4oz glass w/label/seal ice

Houston Office
2313 W. Sam Houston Pkwy N. Suite 107
Houston, Texas 77043
(713) 722-0700 Fax (713) 722-0788

Dallas Office
8901 Carpenter Freeway, Suite 100
Dallas, Texas 75247
(214) 630-1010 Fax (214) 630-7070

Fort Worth Office
2301 E. Loop 820 North
Fort Worth, Texas 76118
(817) 268-8600 Fax (817) 268-8602

Austin Office
3913 Todd Lane, Suite 312
Austin, Texas 78744
(512) 442-1122 Fax (512) 442-1181

Atlanta Office
6621 Bay Circle, Suite 120
Norcross, Georgia 30071
(770) 263-6774 Fax (770) 263-9766

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Terracon

Date/ Time: 12-20-04 @ 1545

Lab ID #: 6L20007

Initials: JMM

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	2.0 °C	
#2	Shipping container in good condition?	Yes	No	N/A	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present N/A	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	Yes	No	(Not Applicable)	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

From: McDonald, Clayton Alan
Sent: Thursday, December 21, 2006 6:29 AM
To: 'Bratcher, Mike, EMNRD'
Cc: Larry Gillette
Subject: RE: LCX Energy - Kincaid 1724 Well #111 - Eddy County, NM

Attachments: 6l13013.pdf
Good Morning

I apologize for the delayed reply ... I have been almost as busy as you.

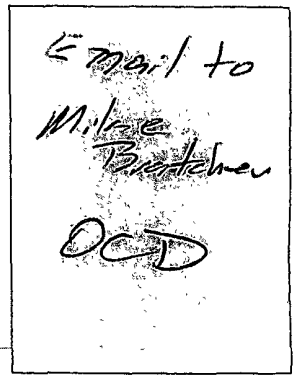
To update you on activities at the LCX Energy - Kincaid 1724 Well #111, the west wall has been excavated, the blended soil pile has been blend a second time and the soil samples collected (WW - 4'c & WW - 8'c) and relinquished to the laboratory for chloride analysis. I also collected a soil sample of the excavated material from the west wall to verify the chloride content. I have rushed the sample analysis and should have the results by 12-22-06. If everything is below NMOCD cleanup levels we will begin backfill and site restoration activities the week of 12-25-06.

The attached file is the laboratory results from the last sampling event. I will get photographs to you next week. As a description, for now, they were taken in the same locations (following excavation) as the previous samples.

I will be in Oklahoma on a project the next few days but can be reached by cell phone at (432) 631-2205. I hope to be home by the weekend or sometime before the 25th. If you have any questions please call.

HAVE A VERY MERRY CHRISTMAS!!!

Clayton A. McDonald
Office Manager
Terracon
24 Smith Road, Ste. 261 I Midland, Texas 79705
P 432-684-9600 I F 432-684-9608 I M 432-631-2205
camcdonald@terracon.com I www.terracon.com



From: Bratcher, Mike, EMNRD [mailto:mike.bratcher@state.nm.us]
Sent: Tuesday, December 12, 2006 9:40 AM
To: McDonald, Clayton Alan
Cc: Larry Gillette
Subject: RE: LCX Energy - Kincaid 1724 Well #111 - Eddy County, NM

Clay,

Thanks for moving on this project. Hauling the materials exhibiting elevated chloride levels and blending the remainder down to 1000 mg/kg is an acceptable method for closing this pit. Please try to keep the top 3 to 4 ft of fill as close to background as possible. Having talked with the surface owner yesterday, I believe we need to get this pit closed so we can all move on to other things. Once again, thanks for your response.

Mike Bratcher
NMOCD District 2

From: McDonald, Clayton Alan [mailto:camcdonald@terracon.com]
Sent: Monday, December 11, 2006 3:17 PM
To: Bratcher, Mike, EMNRD

Cc: Larry Gillette
Subject: LCX Energy - Kincaid 1724 Well #111 - Eddy County, NM

Mike

I have spoken with Mr. Billy Walker, LCX Energy, concerning the final remediation efforts at the Kincaid 1724 Well #111. Mr. Walker informed me that they have some equipment working nearby that will be redirect on 12-12-2006 to complete excavation of the impacted soil from the west wall of the project site. Soil samples will be collected from the west wall on 12-13-2006 and relinquished to the laboratory with a 24 hour turn around analysis request. Copies of the laboratory data will be forwarded to you as soon as available.

There is currently a stockpile of ambient caliche material onsite that was designated as backfill material. There is also a stockpile of impacted material excavated during previous remediation activities conducted the week of 10-9-2006 and sampled on 10-10-2006. The laboratory data indicated chloride concentrations of SP-W = 2,250 mg/kg and SP-E = 1,700 mg/kg. Per our conversation these stockpiles will be blended together and samples collected until the laboratory data indicates the chloride concentration of the blended stockpile is below 1,000 mg/kg.

Based on the laboratory data indicating chloride concentrations of the excavation and the blended material are below the NMOCD cleanup standard of 1,000 mg/kg, the blended material will be utilized to backfill the excavation to within two feet of ground surface. The remainder of the excavation and the site restoration will be completed using the ambient topsoil stockpiled onsite. The site will be restored as near as possible to the surrounding topography.

The excavated material containing suspected chloride concentrations exceeding 5,000 mg / kg will be transported to an approved NMOCD disposal facility.

Our estimated time of completion of this phase of the project and final site restoration activities is set for 12-22-06.

I will keep you updated on activities of this project site. If any delays or questions arise I will contact you immediately.

Thank you for working with us on this project. If you have any questions please contact me via the information below.

Clayton A. McDonald
Office Manager
Terracon
24 Smith Road, Ste. 261 I Midland, Texas 79705
P 432-684-9600 I F 432-684-9608 I M 432-631-2205
camcdonald@terracon.com I www.terracon.com

and any other recipient should destroy all copies.

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Clay McDonald

Terracon Consulting, Inc.

24 Smith Road, Ste. 261

Midland, TX 79705

Project: Kincaid 1724 Well #111

Project Number: 94068156

Location: None Given

Lab Order Number: 6L13013

Report Date: 12/14/06

Terracon Consulting, Inc	Project Kincaid 1724 Well #111	Fax (432) 684-9608
24 Smith Road, Ste 261	Project Number 94068156	
Midland TX, 79705	Project Manager Clay McDonald	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WW-4'B	6L13013-01	Soil	12/13/06 12 30	12-13-2006 16 25
WW-8'B	6L13013-02	Soil	12/13/06 12 45	12-13-2006 16 25
BP-E	6L13013-03	Soil	12/13/06 12 55	12-13-2006 16 25
BP-W	6L13013-04	Soil	12/13/06 13 00	12-13-2006 16 25

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Terracon Consulting, Inc	Project Kincaid 1724 Well #111	Fax (432) 684-9608
24 Smith Road, Ste 261	Project Number 94068156	
Midland TX, 79705	Project Manager Clay McDonald	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WW-4'B (6L13013-01) Soil									
Chloride	**2300**	20 0	mg/kg Wet	2	EL60809	12/13/06	12/14/06	SW 846 9253	
WW-8'B (6L13013-02) Soil									
Chloride	**5320**	20 0	mg/kg Wet	2	EL60809	12/13/06	12/14/06	SW 846 9253	
BP-E (6L13013-03) Soil									
Chloride	**1600**	20 0	mg/kg Wet	2	EL60809	12/13/06	12/14/06	SW 846 9253	
BP-W (6L13013-04) Soil									
Chloride	**2230**	20 0	mg/kg Wet	2	EL60809	12/13/06	12/14/06	SW 846 9253	

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24 Smith Road, Ste 261	Project Number 94068156	
Midland TX, 79705	Project Manager Clay McDonald	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL60809 - Water Extraction										
Blank (EL60809-BLK1)				Prepared 12/13/06 Analyzed 12/14/06						
Chloride	ND	10 0	mg/kg Wet							
LCS (EL60809-BS1)				Prepared & Analyzed 12/14/06						
Chloride	91 5	5 00	mg/kg Wet	100		91 5	80-120			
Matrix Spike (EL60809-MS1)	**Source: 6L07006-01**			Prepared 12/13/06 Analyzed 12/14/06						
Chloride	510	20 0	mg/kg Wet	500	0 00	102	80-120			
Matrix Spike Dup (EL60809-MSD1)	**Source: 6L07006-01**			Prepared 12/13/06 Analyzed 12/14/06						
Chloride	500	20 0	mg/kg Wet	500	0 00	100	80-120	1 98	20	
Reference (EL60809-SRM1)				Prepared & Analyzed 12/14/06						
Chloride	51 0		mg/kg	50 0		102	80-120			

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Terracon Consulting, Inc	Project Kincaid 1724 Well #111	Fax (432) 684-9608
24 Smith Road, Ste 261	Project Number 94068156	
Midland TX, 79705	Project Manager Clay McDonald	

Notes and Definitions

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
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Celey D. Keene Date: 12/14/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
La Tasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

ENVIRONMENTAL, GEOTECHNICAL AND CONSTRUCTION MATERIALS SERVICES

CHAIN OF CUSTODY RECORD

HBC Terracon
Consulting Engineers & Scientists

Office Location: Midland

Project Manager: Clay McDonald

Laboratory: ELOT
Address: on file
Contact:
Phone:
PO/SO #: 94068156

Sampler's Name: Clay McDonald
Sampler's Signature: [signature]

Proj. No.: 94068156
Project Name: Kinnaird 1724 Well #111
No/Type of Containers: 4

ANALYSIS REQUESTED: Chlorides; 9253 / 300.0 / [illegible]

Lab use only
Due Date:
Temp. of coolers when received (C°): 4.0°C
1 2 3 4 5
Page 1 of 1

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Chlorides	Lab Sample ID (Lab Use Only)
S	12/13/06	12:30		X	WW - 4' B				X	X	6L13013-01
(	(	12:45		X	WW - 8' B				X	X	-02
(	(	12:55	X		BP - E				X	X	-03
(	)	1:00	X		BP - W				X	X	-04

Turn around time ☐ Normal ☐ 50% Rush ☒ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature] C McDonald	12/13/06	4:25			
			[signature] Jeanie McMurray	12-13-06	1625

Email Clay McDonald
Barrett Bole

LG

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other: 4oz. Glass on ice w/label/seal

Houston Office: 2313 W. Sam Houston Pkwy N., Suite 107, Houston, Texas 77043, (713) 722-0700 Fax (713) 722-0788
Dallas Office: 8901 Carpenter Freeway, Suite 100, Dallas, Texas 75247, (214) 630-1010 Fax (214) 630-7070
Fort Worth Office: 2301 E. Loop 820 North, Fort Worth, Texas 76118, (817) 268-8600 Fax (817) 268-8602
Austin Office: 3913 Todd Lane, Suite 312, Austin, Texas 78744, (512) 442-1122 Fax (512) 442-1181
Atlanta Office: 6621 Bay Circle, Suite 120, Norcross, Georgia 30071, (770) 263-6774 Fax (770) 263-9766

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Terracon

Date/ Time: 12-13-06 @ 1625

Lab ID #: 6L13013

Initials: JMM

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	4.0 °C	
#2	Shipping container in good condition?	Yes	No	(N/A)	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present (N/A)	
#4	Custody Seals intact on sample bottles/ container? / label	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	Yes	No	(Not Applicable)	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

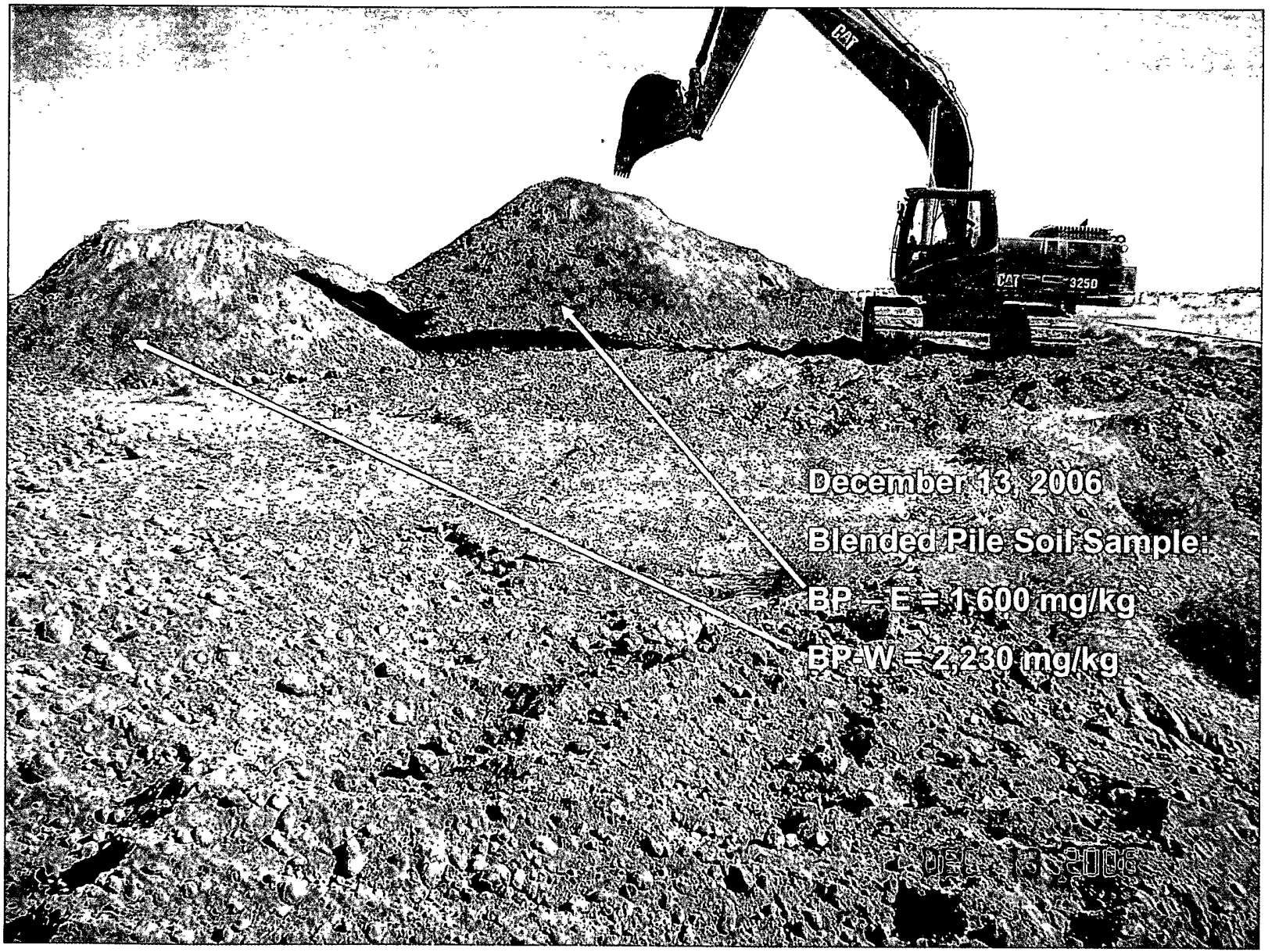
Regarding: _____

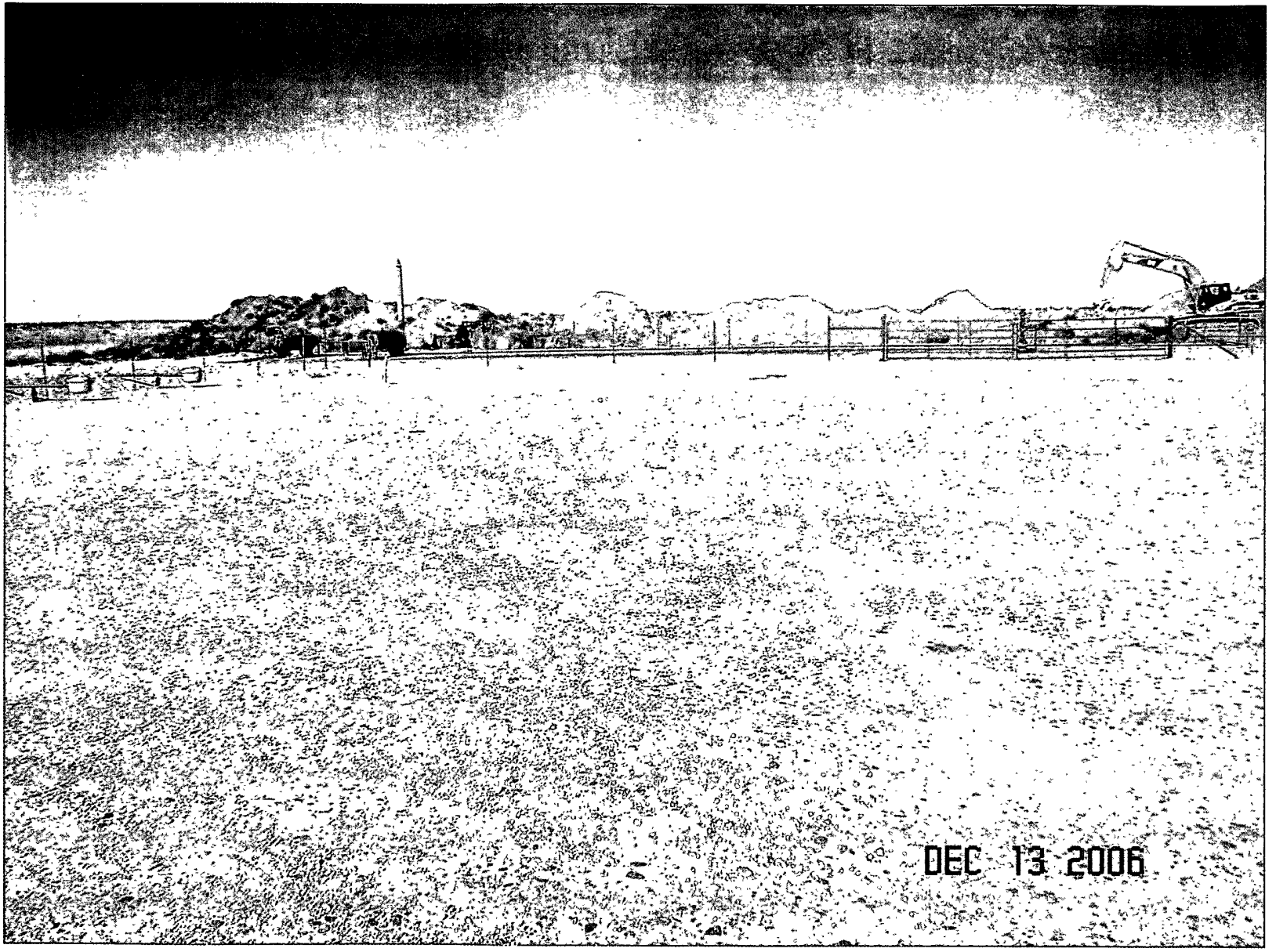
Corrective Action Taken:

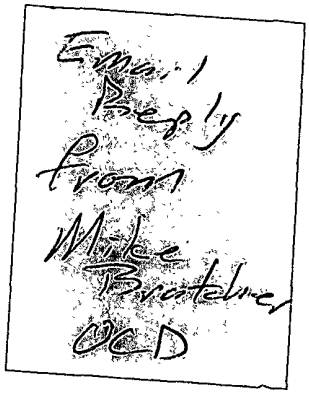
Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event


December 13, 2006
West Wall Soil Sample:
WW-4' b = 2,300 mg/kg
WW-8' b = 5,320 mg/kg
DEC 13 2006


CAT
CAT 3250
December 13, 2006
Blended Pile Soil Sample:
BP - E = 1,600 mg/kg
BP-W = 2,230 mg/kg


DEC 13 2006



From: Bratcher, Mike, EMNRD [mike.bratcher@state.nm.us]
Sent: Tuesday, December 12, 2006 9:40 AM
To: McDonald, Clayton Alan
Cc: Larry Gillette
Subject: RE: LCX Energy - Kincaid 1724 Well #111 - Eddy County, NM

Follow Up Flag: Follow up
Due By: Monday, December 18, 2006 12:00 PM
Flag Status: Red
Clay,

Thanks for moving on this project. Hauling the materials exhibiting elevated chloride levels and blending the remainder down to 1000 mg/kg is an acceptable method for closing this pit. Please try to keep the top 3 to 4 ft of fill as close to background as possible. Having talked with the surface owner yesterday, I believe we need to get this pit closed so we can all move on to other things. Once again, thanks for your response.

Mike Bratcher
NMOCD District 2

From: McDonald, Clayton Alan [mailto:camcdonald@terracon.com]
Sent: Monday, December 11, 2006 3:17 PM
To: Bratcher, Mike, EMNRD
Cc: Larry Gillette
Subject: LCX Energy - Kincaid 1724 Well #111 - Eddy County, NM

Mike

I have spoken with Mr. Billy Walker, LCX Energy, concerning the final remediation efforts at the Kincaid 1724 Well #111. Mr. Walker informed me that they have some equipment working nearby that will be redirect on 12-12-2006 to complete excavation of the impacted soil from the west wall of the project site. Soil samples will be collected from the west wall on 12-13-2006 and relinquished to the laboratory with a 24 hour turn around analysis request. Copies of the laboratory data will be forwarded to you as soon as available.

There is currently a stockpile of ambient caliche material onsite that was designated as backfill material. There is also a stockpile of impacted material excavated during previous remediation activities conducted the week of 10-9-2006 and sampled on 10-10-2006. The laboratory data indicated chloride concentrations of SP-W = 2,250 mg/kg and SP-E = 1,700 mg/kg. Per our conversation these stockpiles will be blended together and samples collected until the laboratory data indicates the chloride concentration of the blended stockpile is below 1,000 mg/kg.

Based on the laboratory data indicating chloride concentrations of the excavation and the blended material are below the NMOCD cleanup standard of 1,000 mg/kg, the blended material will be utilized to backfill the excavation to within two feet of ground surface. The remainder of the excavation and the site restoration will be completed using the ambient topsoil stockpiled onsite. The site will be restored as near as possible to the surrounding topography.

The excavated material containing suspected chloride concentrations exceeding 5,000 mg / kg will be transported to an approved NMOCD disposal facility.

Our estimated time of completion of this phase of the project and final site restoration activities is set for 12-22-06.

I will keep you updated on activities of this project site. If any delays or questions arise I will contact you immediately.

Thank you for working with us on this project. If you have any questions please contact me via the information

below.

Clayton A. McDonald
Office Manager
Terracon
24 Smith Road, Ste. 261 | Midland, Texas 79705
P 432-684-9600 | F 432-684-9608 | M 432-631-2205
camcdonald@terracon.com | **www.terracon.com**

Terracon is a dynamic and growing consulting firm of engineers and scientists

providing multiple related service lines to local, regional, and national clients.

From: McDonald, Clayton Alan
Sent: Monday, December 11, 2006 4:17 PM
To: Mike Bratcher
Cc: Larry Gillette
Subject: LCX Energy - Kincaid 1724 Well #111 - Eddy County, NM

Mike

I have spoken with Mr. Billy Walker, LCX Energy, concerning the final remediation efforts at the Kincaid 1724 Well #111. Mr. Walker informed me that they have some equipment working nearby that will be redirect on 12-12-2006 to complete excavation of the impacted soil from the west wall of the project site. Soil samples will be collected from the west wall on 12-13-2006 and relinquished to the laboratory with a 24 hour turn around analysis request. Copies of the laboratory data will be forwarded to you as soon as available.

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Thank you for working with us on this project. If you have any questions please contact me via the information below.

Clayton A. McDonald
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24 Smith Road, Ste. 261 I Midland, Texas 79705
P 432-684-9600 I F 432-684-9608 I M 432-631-2205
camcdonald@terracon.com I www.terracon.com

From: McDonald, Clayton Alan
Sent: Monday, December 11, 2006 2:03 PM
To: Mike Bratcher
Cc: Larry Gillette
Subject: LCX Energy - Kincaid 1724 Well #111

Attachments: Lab data & sample location photos 11-6-06.pdf
Good Afternoon Mike

The attached folder contains the laboratory data and sample location photos of the Kincaid 1724 Well #111 location in Eddy County, NM. The laboratory data indicates chloride concentrations in the south wall of SW - 2 4' A, J(2.39) mg/kg and SW-2 8' A, 88.4 mg/kg. The laboratory data indicates the chloride concentrations in the west wall of WW - 4' A, 8,590 mg/kg and WW - 8' A, 8,390 mg/kg. Due to the elevated chloride concentrations it appears the west wall will require further excavation to achieve the NMOCD closure cleanup standards of <1,000 mg/kg. I will contact Mr. Billy Walker, LCX Energy with the updated information. During our last meeting we discussed blending the excavated material onsite to below the NMOCD cleanup standard of <1,000 mg/kg and utilizing as backfill material. Is this still an option?

Lab data & sample location pho...

Clayton A. McDonald
Office Manager

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camcdonald@terracon.com I **www.terracon.com**

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Clay McDonald

Terracon Consulting, Inc.

24 Smith Road, Ste. 261

Midland, TX 79705

Project: Kincaid 1724

Project Number: None Given

Location: None Given

Lab Order Number: 6K13005

Report Date: 11/16/06

Terracon Consulting, Inc
24 Smith Road, Ste 261
Midland TX, 79705

Project Kincaid 1724
Project Number. None Given
Project Manager Clay McDonald

Fax (432) 684-9608

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-2 4' A	6K13005-01	Soil	11/01/06 12 45	11-13-2006 08 30
SW-2 8' A	6K13005-02	Soil	11/01/06 12:50	11-13-2006 08 30
WW-4' A	6K13005-03	Soil	11/01/06 13.00	11-13-2006 08 30
WW-8' A	6K13005-04	Soil	11/01/06 13.05	11-13-2006 08 30

Terracon Consulting, Inc. 24 Smith Road, Ste 261 Midland TX, 79705	Project Kincaid 1724 Project Number None Given Project Manager Clay McDonald	Fax (432) 684-9608

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-2 4' A (6K13005-01) Soil									
Chloride	**J [2.39]**	5 00	mg/kg	10	EK61418	11/14/06	11/15/06	EPA 300 0	J
SW-2 8' A (6K13005-02) Soil									
Chloride	**88.4**	5 00	mg/kg	10	EK61418	11/14/06	11/15/06	EPA 300 0	
WW-4' A (6K13005-03) Soil									
Chloride	**8590**	200	mg/kg	400	EK61508	11/15/06	11/15/06	EPA 300 0	
WW-8' A (6K13005-04) Soil									
Chloride	**8390**	100	mg/kg	200	EK61508	11/15/06	11/15/06	EPA 300 0	

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Terracon Consulting, Inc	Project Kincaid 1724	Fax (432) 684-9608
24 Smith Road, Ste 261	Project Number None Given	
Midland TX, 79705	Project Manager Clay McDonald	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK61418 - Water Extraction										
Blank (EK61418-BLK1)				Prepared 11/14/06 Analyzed 11/15/06						
Chloride	ND	0 500	mg/kg							
LCS (EK61418-BS1)				Prepared 11/14/06 Analyzed 11/15/06						
Chloride	10 4	0 500	mg/kg	10 0		104	80-120			
Calibration Check (EK61418-CCV1)				Prepared 11/14/06 Analyzed 11/15/06						
Chloride	10 8		mg/L	10 0		108	80-120			
Duplicate (EK61418-DUP1)		**Source: 6K09005-03**		Prepared 11/14/06 Analyzed 11/15/06						
Chloride	0 809	5 00	mg/kg		1 01			22 1	20	S-08, J
Duplicate (EK61418-DUP2)		**Source: 6K09011-01**		Prepared 11/14/06 Analyzed 11/15/06						
Chloride	314	50 0	mg/kg		325			3 44	20	
Matrix Spike (EK61418-MS1)		**Source: 6K09005-03**		Prepared 11/14/06 Analyzed 11/15/06						
Chloride	101	5 00	mg/kg	100	1 01	100	80-120			
Matrix Spike (EK61418-MS2)		**Source: 6K09011-01**		Prepared 11/14/06 Analyzed 11/15/06						
Chloride	1400	50.0	mg/kg	1000	325	108	80-120			
Batch EK61508 - Water Extraction										
Blank (EK61508-BLK1)				Prepared & Analyzed 11/15/06						
Chloride	ND	0 500	mg/kg							
LCS (EK61508-BS1)				Prepared & Analyzed 11/15/06						
Chloride	10 1	0 500	mg/kg	10 0		101	80-120			

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Terracon Consulting, Inc	Project Kincaid 1724	Fax (432) 684-9608
24 Smith Road, Ste 261	Project Number None Given	
Midland TX, 79705	Project Manager Clay McDonald	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK61508 - Water Extraction										
Calibration Check (EK61508-CCV1)				Prepared & Analyzed 11/15/06						
Chloride	10 5		mg/L	10.0		105	80-120			
Duplicate (EK61508-DUP1)		Source: 6K13008-01		Prepared & Analyzed 11/15/06						
Chloride	561	10 0	mg/kg		553			1.44	20	
Duplicate (EK61508-DUP2)		Source: 6K14009-01		Prepared & Analyzed 11/15/06						
Chloride	1910	40 0	mg/kg		1870			2.12	20	
Matrix Spike (EK61508-MS1)		Source: 6K13008-01		Prepared & Analyzed 11/15/06						
Chloride	769	10 0	mg/kg	200	553	108	80-120			
Matrix Spike (EK61508-MS2)		Source: 6K14009-01		Prepared & Analyzed 11/15/06						
Chloride	2830	40 0	mg/kg	800	1870	120	80-120			

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Terracon Consulting, Inc. 24 Smith Road, Ste 261 Midland TX, 79705	Project Kincaid 1724 Project Number. None Given Project Manager· Clay McDonald	Fax (432) 684-9608

Notes and Definitions

S-08	Value outside Laboratory historical or method prescribed QC limits
J	Detected but below the Reporting Limit, therefore, result is an estimated concentration (CLP J-Flag)
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
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 11/16/2006

Raland K Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

ENVIRONMENTAL, GEOTECHNICAL AND CONSTRUCTION MATERIALS SERVICES

CHAIN OF CUSTODY RECORD

HBC Terracon
Consulting Engineers & Scientists

Office Location: Midland

Project Manager: C A McDonald

Laboratory: ELOT
Address: on file
Contact:
Phone:
PO/SO #: 9406815 6

Sampler's Name: Clay McDonald
Sampler's Signature: C A McDonald

Proj. No.:
Project Name: Kimmid 1724
No/Type of Containers: 4

Lab use only
Due Date:
Temp. of coolers when received (C°): 1.0
1 2 3 4 5
Page 1 of 1

ANALYSIS REQUESTED: ERH 300.0 Cl

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	ERH 300.0 Cl	Lab Sample ID (Lab Use Only)
S	11/10/06	12:45		X	SW-2 4'A				X	X	406815-01
"	"	12:50		X	SW-2 8'A				X	X	02
"	"	1:00		X	WW-4' A				X	X	03
"	"	1:05		X	WW-5' A				X	X	04

Turn around time: X Normal ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date	Time:
C A McDonald	11/13/06	8:30			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature) Lauri Kelley	Date: 11/13/06	Time: 5:30

w/o labs

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other 4 oz Glass

Houston Office
2313 W. Sam Houston Pkwy N., Suite 107
Houston, Texas 77043
(713) 722-0700 Fax (713) 722-0788

Dallas Office
8901 Carpenter Freeway, Suite 100
Dallas, Texas 75247
(214) 630-1010 Fax (214) 630-7070

Fort Worth Office
2301 E. Loop 820 North
Fort Worth, Texas 76118
(817) 268-8600 Fax (817) 268-8602

Austin Office
3913 Todd Lane, Suite 312
Austin, Texas 78744
(512) 442-1122 Fax (512) 442-1181

Atlanta Office
6621 Bay Circle, Suite 120
Norcross, Georgia 30071
(770) 263-6774 Fax (770) 263-9766

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

lient: HBC

ate/ Time: 11/13/06 8:45

ab ID # : 6K13005

nitials: CK

Sample Receipt Checklist

					Client Initials
1	Temperature of container/ cooler?	Yes	No	-1.0 °C	
2	Shipping container in good condition?	~~Yes~~	No		
3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
5	Chain of Custody present?	~~Yes~~	No		
6	Sample instructions complete of Chain of Custody?	~~Yes~~	No		
7	Chain of Custody signed when relinquished/ received?	~~Yes~~	No		
8	Chain of Custody agrees with sample label(s)?	~~Yes~~	No	ID written on Cont./ Lid	
9	Container label(s) legible and intact?	Yes	No	Not Applicable	
10	Sample matrix/ properties agree with Chain of Custody?	~~Yes~~	No		
11	Containers supplied by ELOT?	~~Yes~~	No		
12	Samples in proper container/ bottle?	~~Yes~~	No	See Below	
13	Samples properly preserved?	~~Yes~~	No	See Below	
14	Sample bottles intact?	~~Yes~~	No		
15	Preservations documented on Chain of Custody?	~~Yes~~	No		
16	Containers documented on Chain of Custody?	~~Yes~~	No		
17	Sufficient sample amount for indicated test(s)?	~~Yes~~	No	See Below	
18	All samples received within sufficient hold time?	~~Yes~~	No	See Below	
19	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event


Sample Locations:
SW-2 4'A = J(2.39) mg/kg
SW-2 8'A = 88.4 mg/kg
Sample Locations:
WW-4'A = 8,590 mg/kg
WW-8'A = 8,390 mg/kg
NOV 11 2005

Bratcher, Mike, EMNRD

From: McDonald, Clayton Alan [camcdonald@terracon.com]
Sent: Tuesday, November 14, 2006 2:13 PM
To: Bratcher, Mike, EMNRD
Cc: Larry Gillette
Subject: LCX Energy - Kincaid 1724 Well #111 - Artesia, NM

Mike

I wanted to update you on the progress of the above referenced site. This is the drill pit approximately 6 miles west of town where chloride investigation / remediation activities are in progress. In our last phone conversation, based on the initial site investigation, we determined additional excavation was required on the west wall and on the south wall on the west end. The additional excavation activities were completed 11-10-06 and the soil samples collected on 11-11-06 were relinquished to the laboratory for chloride analysis. As soon as we receive the laboratory results they will be forwarded for your review.

If you have any questions please feel free to contact myself or Larry Gillette.

Clayton A. McDonald
Environmental Manager
Terracon
24 Smith Road, Ste. 261 I Midland, Texas 79705
P 432-684-9600 I F 432-684-9608 I M 432-631-2205
camcdonald@terracon.com I www.terracon.com

Bratcher, Mike, EMNRD

From: McDonald, Clayton Alan [camcdonald@terracon.com]
Sent: Tuesday, October 24, 2006 2:26 PM
To: Bratcher, Mike, EMNRD
Cc: Larry Gillette
Subject: LCX Energy - kincaid 1724, Well #111
Attachments: sample photos & lab data.pdf

Good Afternoon Mike

The attached pdf folder contains photographs and laboratory data from the soil samples collected on 10-12-2006. As we discussed in our meeting a few weeks ago, the southwest corner area appears to be slightly impacted in the rocky / gravel zone from 4 to 9 feet below ground surface (bgs). Also as we discussed, the clayey / silty zone you described begins at approximately 10feet bgs. Mr Gillette and I have reviewed the attached documents.

<<sample photos & lab data.pdf>>

Please review the attached documents at your earliest convenience and call me so that we may discuss. I can be reached at the numbers below.

Clayton A. McDonald
Environmental Manager
Terracon
24 Smith Road, Ste. 261 I Midland, Texas 79705
P 432-684-9600 I F 432-684-9608 I M 432-631-2205
camcdonald@terracon.com I www.terracon.com

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Clay McDonald

Terracon Consulting, Inc.

24 Smith Road, Ste. 261

Midland, TX 79705

Project: Kincaid 1724 Well #111

Project Number: None Given

Location: None Given

Lab Order Number: 6J12019

Report Date: 10/16/06

Terracon Consulting, Inc	Project Kincaid 1724 Well #111	Fax (432) 684-9608
24 Smith Road, Ste 261	Project Number None Given	
Midland TX, 79705	Project Manager. Clay McDonald	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom 1- 14ft	6J12019-01	Soil	10/12/06 11:15	10-12-2006 16.40
Bottom 1- 10ft	6J12019-02	Soil	10/12/06 11:25	10-12-2006 16 40
South Wall 1- 8ft	6J12019-03	Soil	10/12/06 11:35	10-12-2006 16:40
South Wall 1- 4ft	6J12019-04	Soil	10/12/06 11:45	10-12-2006 16:40
South Wall 2- 8ft	6J12019-05	Soil	10/12/06 11.55	10-12-2006 16.40
South Wall 2- 4ft	6J12019-06	Soil	10/12/06 12.05	10-12-2006 16:40
West Wall 1- 8ft	6J12019-07	Soil	10/12/06 12:15	10-12-2006 16:40
West Wall 1- 4ft	6J12019-08	Soil	10/12/06 12:25	10-12-2006 16:40
SP- W	6J12019-09	Soil	10/12/06 12 35	10-12-2006 16:40
SP- E	6J12019-10	Soil	10/12/06 12:45	10-12-2006 16:40

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Terracon Consulting, Inc.	Project: Kincaid 1724 Well #111	Fax (432) 684-9608
24 Smith Road, Ste 261	Project Number: None Given	
Midland TX, 79705	Project Manager: Clay McDonald	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom 1- 14ft (6J12019-01) Soil									
Chloride	**74.4**	20.0	mg/kg Wet	2	EJ61405	10/14/06	10/15/06	SW 846 9253	
Bottom 1- 10ft (6J12019-02) Soil									
Chloride	**85.1**	20.0	mg/kg Wet	2	EJ61405	10/14/06	10/15/06	SW 846 9253	
South Wall 1- 8ft (6J12019-03) Soil									
Chloride	**468**	20.0	mg/kg Wet	2	EJ61405	10/14/06	10/15/06	SW 846 9253	
South Wall 1- 4ft (6J12019-04) Soil									
Chloride	**277**	10.0	mg/kg Wet	1	EJ61405	10/14/06	10/15/06	SW 846 9253	
South Wall 2- 8ft (6J12019-05) Soil									
Chloride	**6810**	20.0	mg/kg Wet	2	EJ61405	10/14/06	10/15/06	SW 846 9253	
South Wall 2- 4ft (6J12019-06) Soil									
Chloride	**362**	20.0	mg/kg Wet	2	EJ61405	10/14/06	10/15/06	SW 846 9253	
West Wall 1- 8ft (6J12019-07) Soil									
Chloride	**12400**	20.0	mg/kg Wet	2	EJ61405	10/14/06	10/15/06	SW 846 9253	
West Wall 1- 4ft (6J12019-08) Soil									
Chloride	**1660**	20.0	mg/kg Wet	2	EJ61405	10/14/06	10/15/06	SW 846 9253	
SP- W (6J12019-09) Soil									
Chloride	**2250**	20.0	mg/kg Wet	2	EJ61405	10/14/06	10/15/06	SW 846 9253	
SP- E (6J12019-10) Soil									
Chloride	**1700**	20.0	mg/kg Wet	2	EJ61405	10/14/06	10/15/06	SW 846 9253	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Terracon Consulting, Inc
24 Smith Road, Ste. 261
Midland TX, 79705

Project: Kincaid 1724 Well #111
Project Number: None Given
Project Manager: Clay McDonald

Fax: (432) 684-9608

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ61405 - Water Extraction										
Blank (EJ61405-BLK1)				Prepared: 10/14/06 Analyzed: 10/15/06						
Chloride	ND	10.0	mg/kg Wet							
LCS (EJ61405-BS1)				Prepared: 10/14/06 Analyzed: 10/15/06						
Chloride	91 5	5.00	mg/kg Wet	100		91 5	80-120			
Matrix Spike (EJ61405-MS1)	**Source: 6J12019-03**			Prepared 10/14/06 Analyzed: 10/15/06						
Chloride	978	20.0	mg/kg Wet	500	468	102	80-120			
Matrix Spike Dup (EJ61405-MSD1)	**Source: 6J12019-03**			Prepared 10/14/06 Analyzed: 10/15/06						
Chloride	1000	20 0	mg/kg Wet	500	468	106	80-120	2.22	20	
Reference (EJ61405-SRM1)				Prepared: 10/14/06 Analyzed 10/15/06						
Chloride	50.0		mg/kg	50.0		100	80-120			

Terracon Consulting, Inc. 24 Smith Road, Ste. 261 Midland TX, 79705	Project: Kincaid 1724 Well #111 Project Number: None Given Project Manager: Clay McDonald	Fax. (432) 684-9608

Notes and Definitions

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
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Celey D. Keene Date: 10/16/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
La Tasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

ENVIRONMENTAL, GEOTECHNICAL AND CONSTRUCTION MATERIALS SERVICES

CHAIN OF CUSTODY RECORD

HBC Terracon
Consulting Engineers & Scientists

Office Location: Midland Tx

Project Manager: Clay McDonald

Laboratory: ELOT

Address: on file

Contact:

Phone:

PO/SO #: 9406 8156

Sampler's Name: Clay McDonald

Sampler's Signature: Clay McDonald

Proj. No.:

Project Name: Kincaid 1224 Well #111

No/Type of Containers: 10 40ml VOAs

ANALYSIS REQUESTED: Chlorides

Lab use only
Due Date:

Temp. of coolers when received (C°): 4.0
1 | 2 | 3 | 4 | 5

Page 1 of 1

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Chlorides	Lab Sample ID (Lab Use Only)
S	10/12/06	11:15		X	Bottom 1 - 14 ft				X	X	607207-01
		11:25		X	Bottom 1 - 10 ft						-02
		11:35		X	South Wall 1 - 8 ft						-03
		11:45		X	South Wall 1 - 4 ft						-04
		11:55		X	South Wall 2 - 8 ft						-05
		12:05		X	South Wall 2 - 4 ft						-06
		12:15		X	West Wall 1 - 8 ft						-07
		12:25		X	West Wall 1 - 4 ft						-08
		12:35	X		SP - W						-09
		12:45	X		SP - E						-10

Turn around time: [X] Normal [ ] 50% Rush [ ] 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Clay McDonald	10/12/06	4:40 PM			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
			Will Kelly	10/12/06	4:40

LCT Energy, Inc.

w/o labels

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

Houston Office
2313 W. Sam Houston Pkwy N. Suite 107
Houston, Texas 77043
(713) 722-0700 Fax (713) 722-0788

Dallas Office
8901 Carpenter Freeway, Suite 100
Dallas, Texas 75247
(214) 630-1010 Fax (214) 630-7070

Fort Worth Office
2301 E. Loop 820 North
Fort Worth, Texas 76118
(817) 268-8600 Fax (817) 268-8602

Austin Office
3913 Todd Lane, Suite 312
Austin, Texas 78744
(512) 442-1122 Fax (512) 442-1181

Atlanta Office
6621 Bay Circle, Suite 120
Norcross, Georgia 30071
(770) 263-6774 Fax (770) 263-9766

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Terracon

Date/ Time: 10/12/06 4:40

Lab ID # : 610/2019

Initials: VK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	4.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	(Not Present)	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	VOC samples have zero headspace?	Yes	No	(Not Applicable)	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

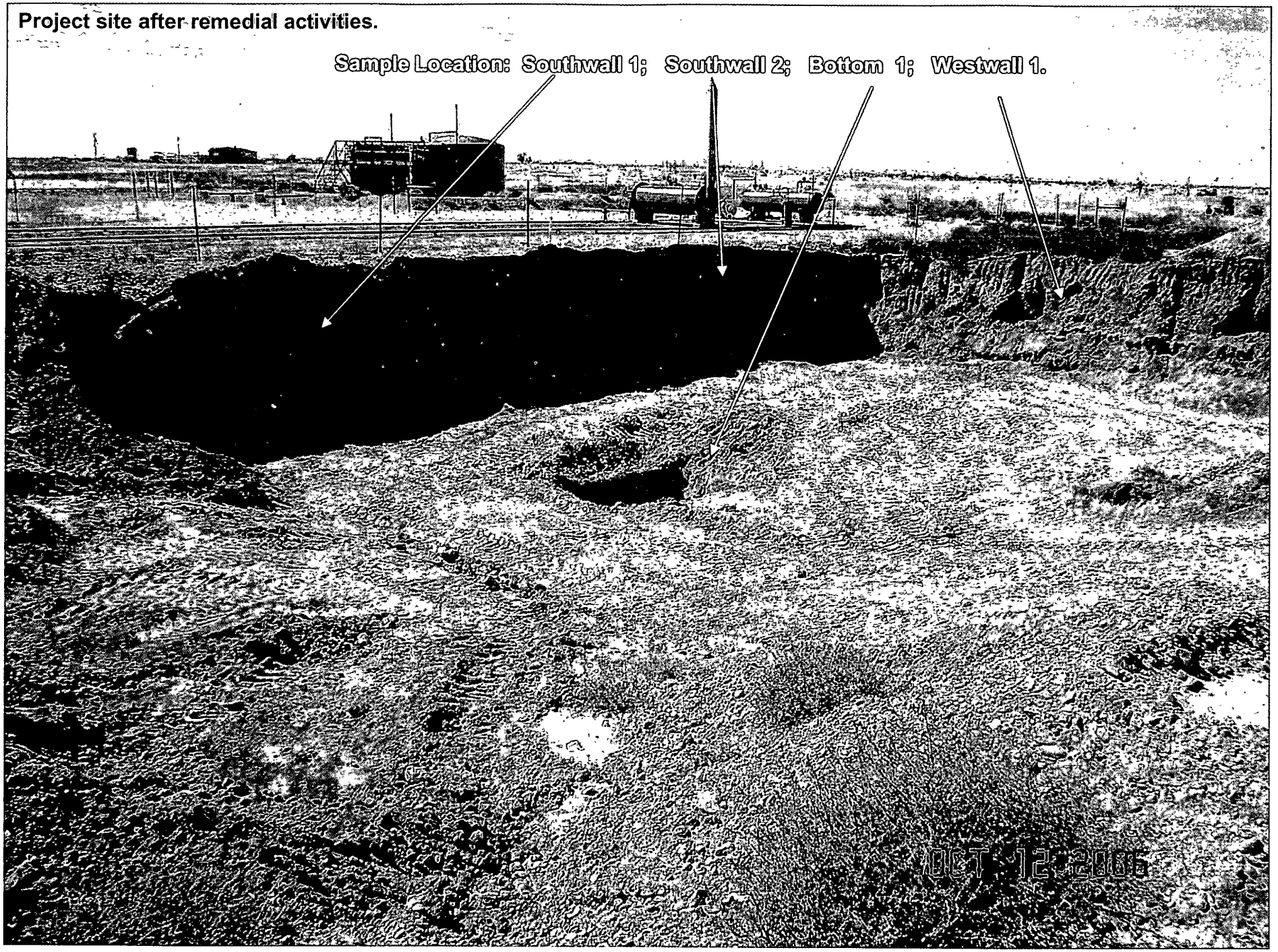
Regarding: _____

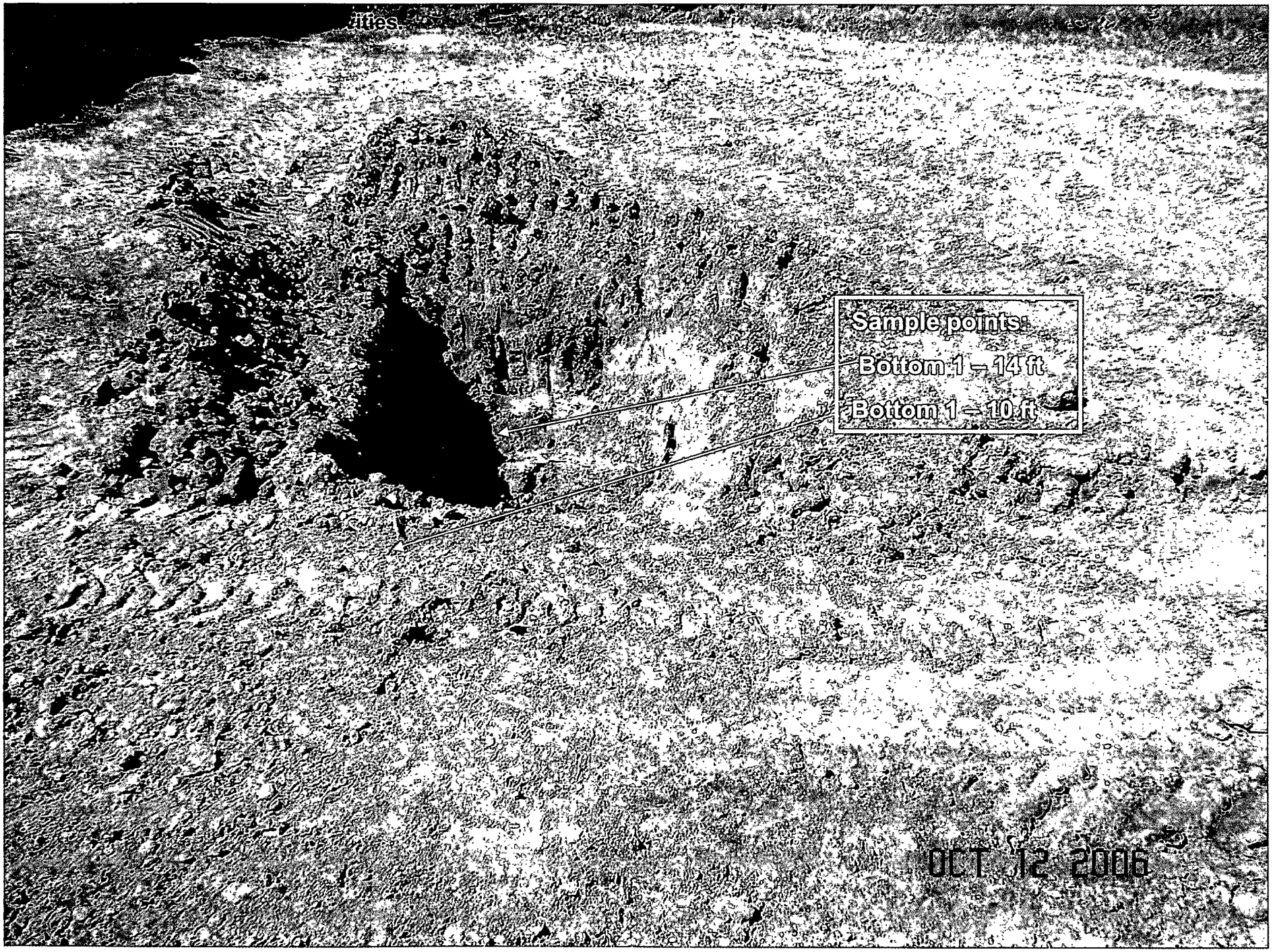
Corrective Action Taken:

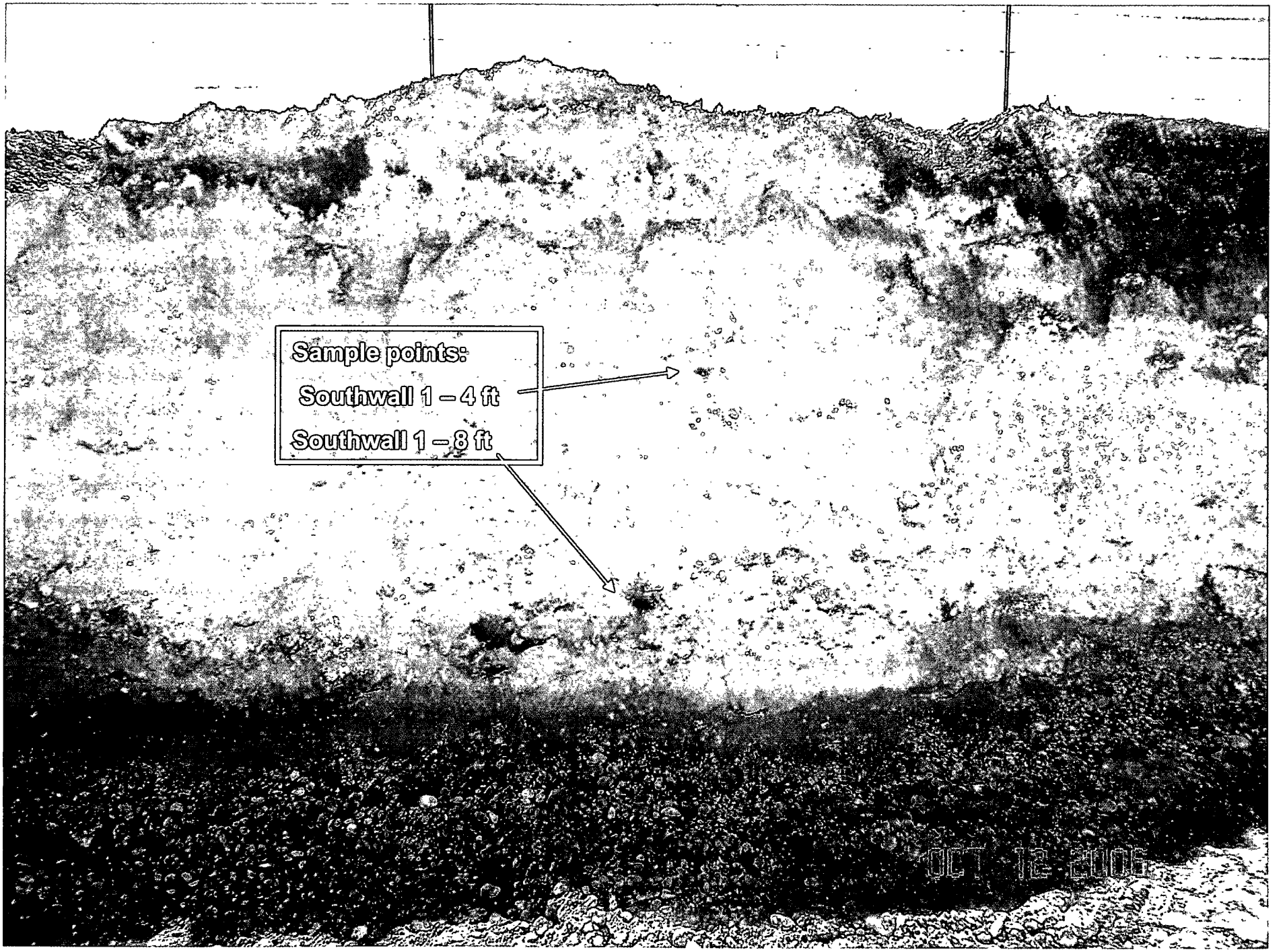
Check all that Apply:

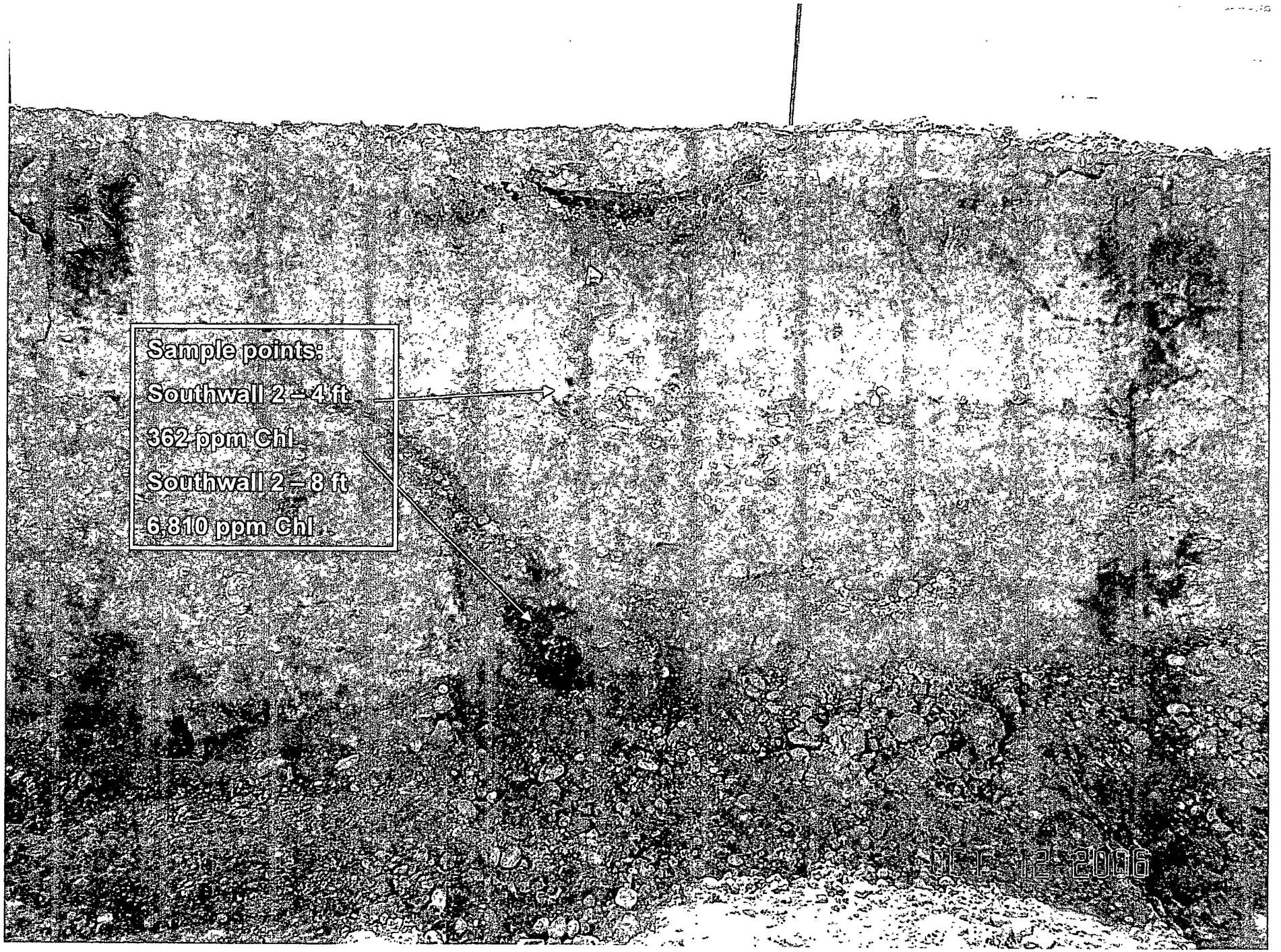
- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

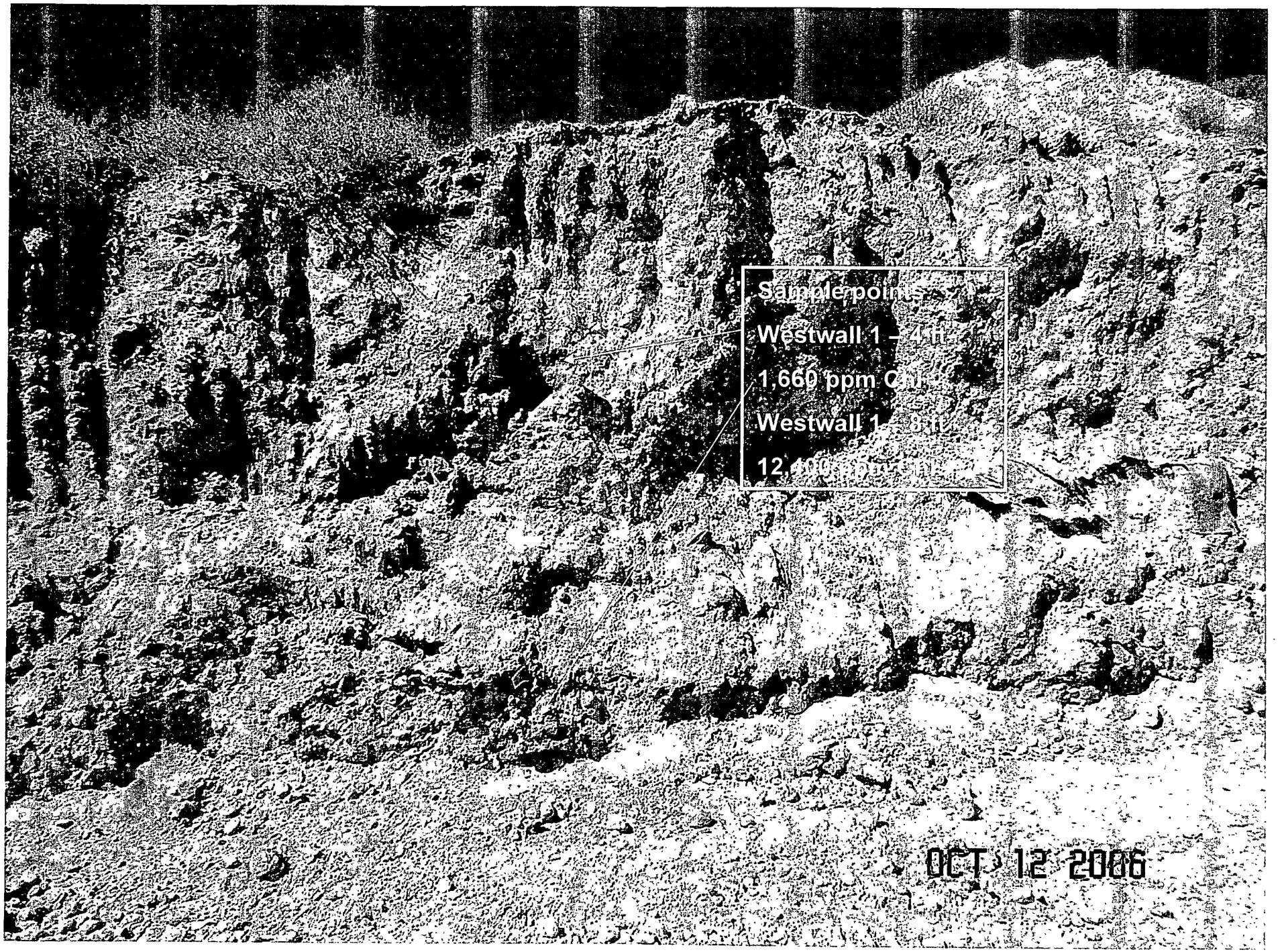
Project site after remedial activities.




Sample points:
Bottom 1 – 14 ft
Bottom 1 – 10 ft
OCT 12 2006


Sample points:
Southwall 1 – 4 ft
Southwall 1 – 8 ft


Sample points:
Southwall 2 – 4 ft
362 ppm Chl
Southwall 2 – 8 ft
6,810 ppm Chl


Sample point
Westwall 1 – 4 ft
1,660 ppm
Westwall 1
12
OCT 12 2006

Bratcher, Mike, EMNRD

From: McDonald, Clayton Alan [camcdonald@terracon.com]
Sent: Monday, October 16, 2006 7:44 AM
To: Bratcher, Mike, EMNRD
Cc: Larry Gillette
Subject: Kincaid 1724, Well # 111; Eddy County, NM
Attachments: Remediation photos.pdf

Mike

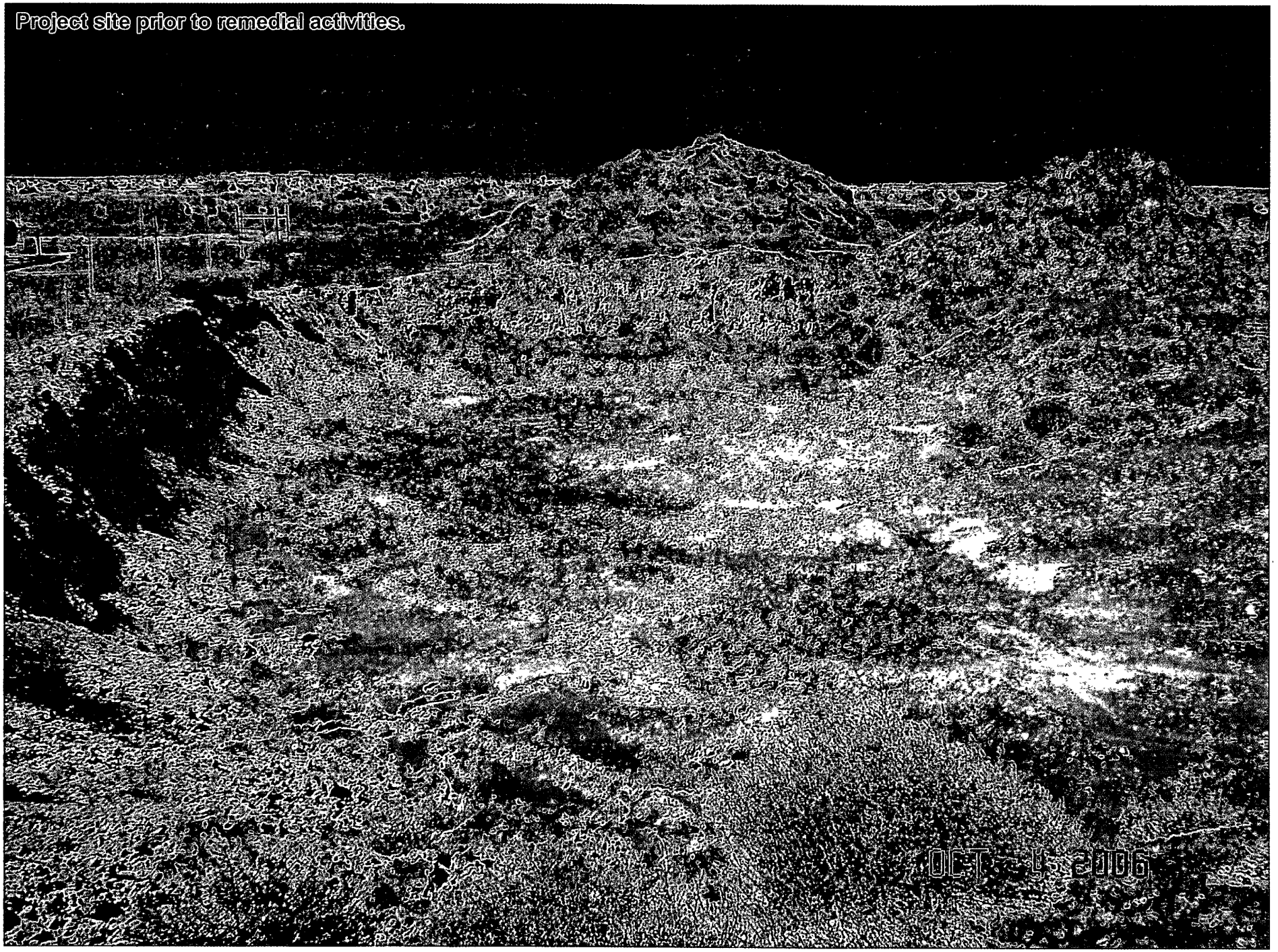
The attached files are photos of the remedial activities on the drill pit associated with the Kincaid 1724, Well # 111. The soil samples were relinquished to the laboratory on 10-12-06 for chloride analysis using EPA 300.0.

The geology for the site was a follows:
0 - 4 ft bgs = top soil, sandy loam;
4 - 9 ft bgs = Gravel / sand (gravel ranging from 1/2 to 3 inch in diameter);
9 - 10 ft bgs = Silty / Clay;
10 - 14 ft bgs = Clayey / Silt.
Much like the example you should me in your office, the clay/silt was a light brown color and compacted tightly with pressure.

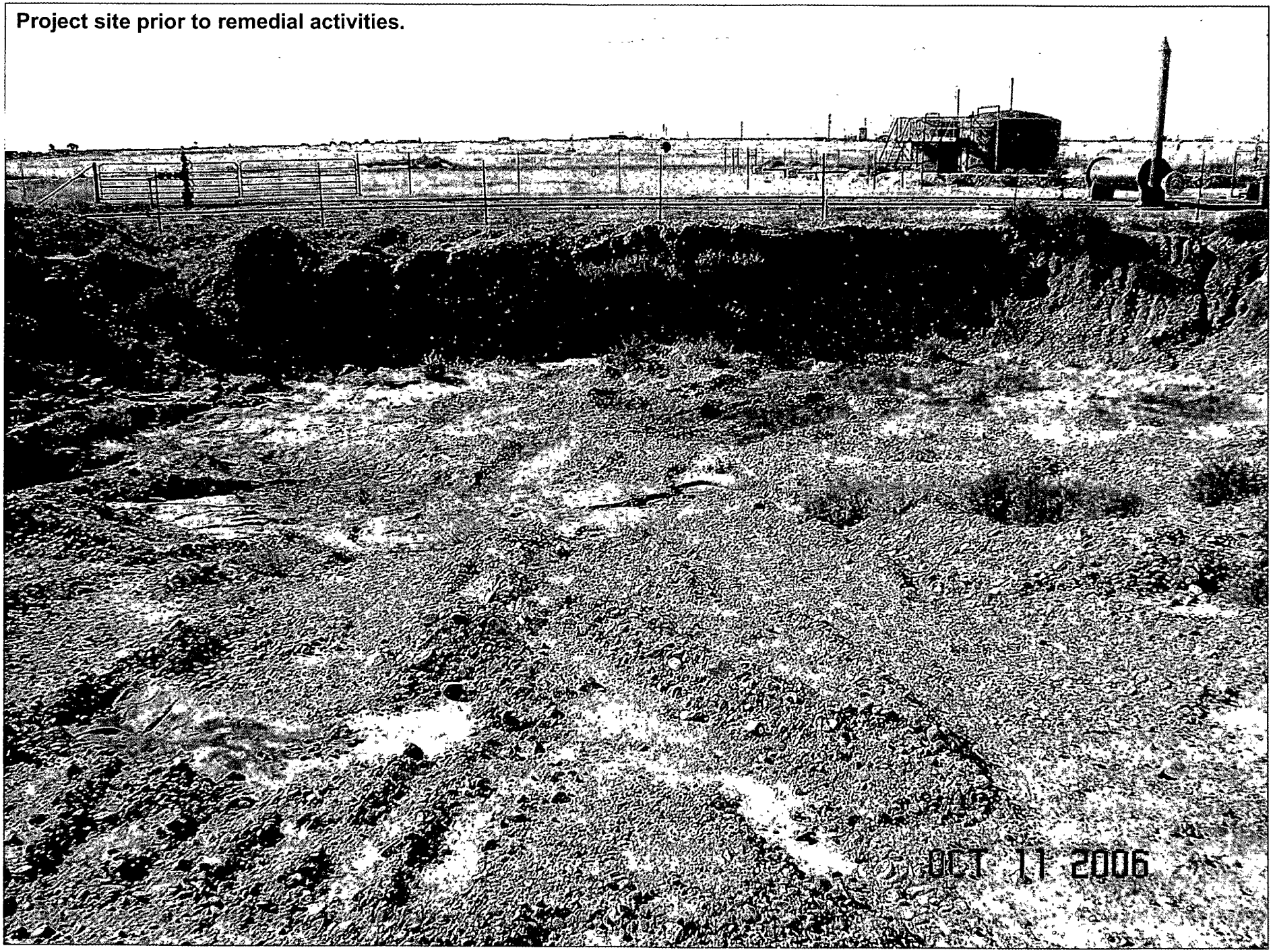
The sample results should be ready by 10-18-06. As soon as I receive them I will contact to discuss. All excavated soil was stockpiled onsite pending laboratory testing results.

<<Remediation photos.pdf>>
Thank you for your patience and understanding while we work through this problem.

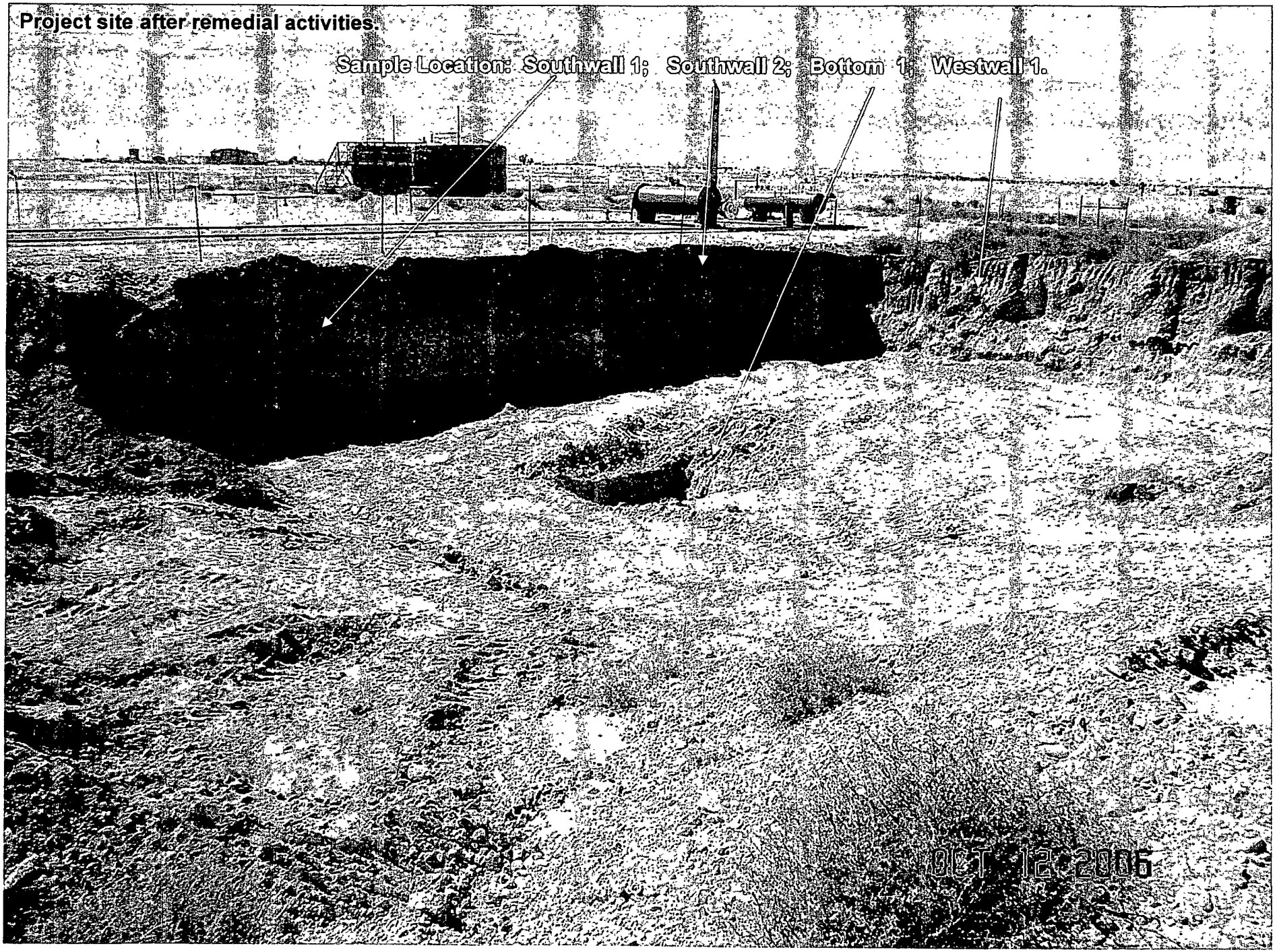
Respectfully,
Clayton A. McDonald
Environmental Manager
Terracon
24 Smith Road, Ste. 261 I Midland, Texas 79705
P 432-684-9600 I F 432-684-9608 I M 432-631-2205
camcdonald@terracon.com I **www.terracon.com**

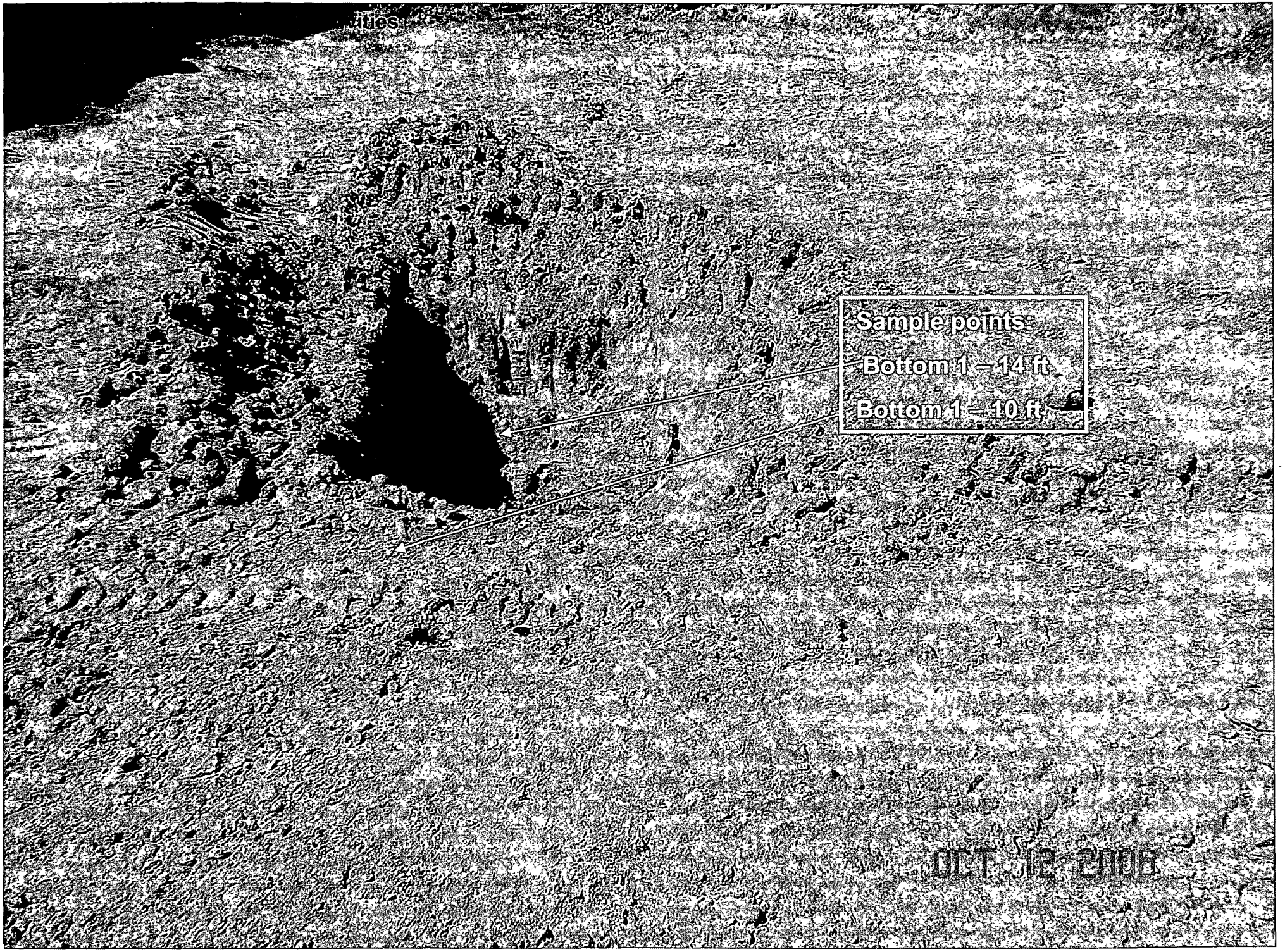

Project site prior to remedial activities.
OCT 04 2006

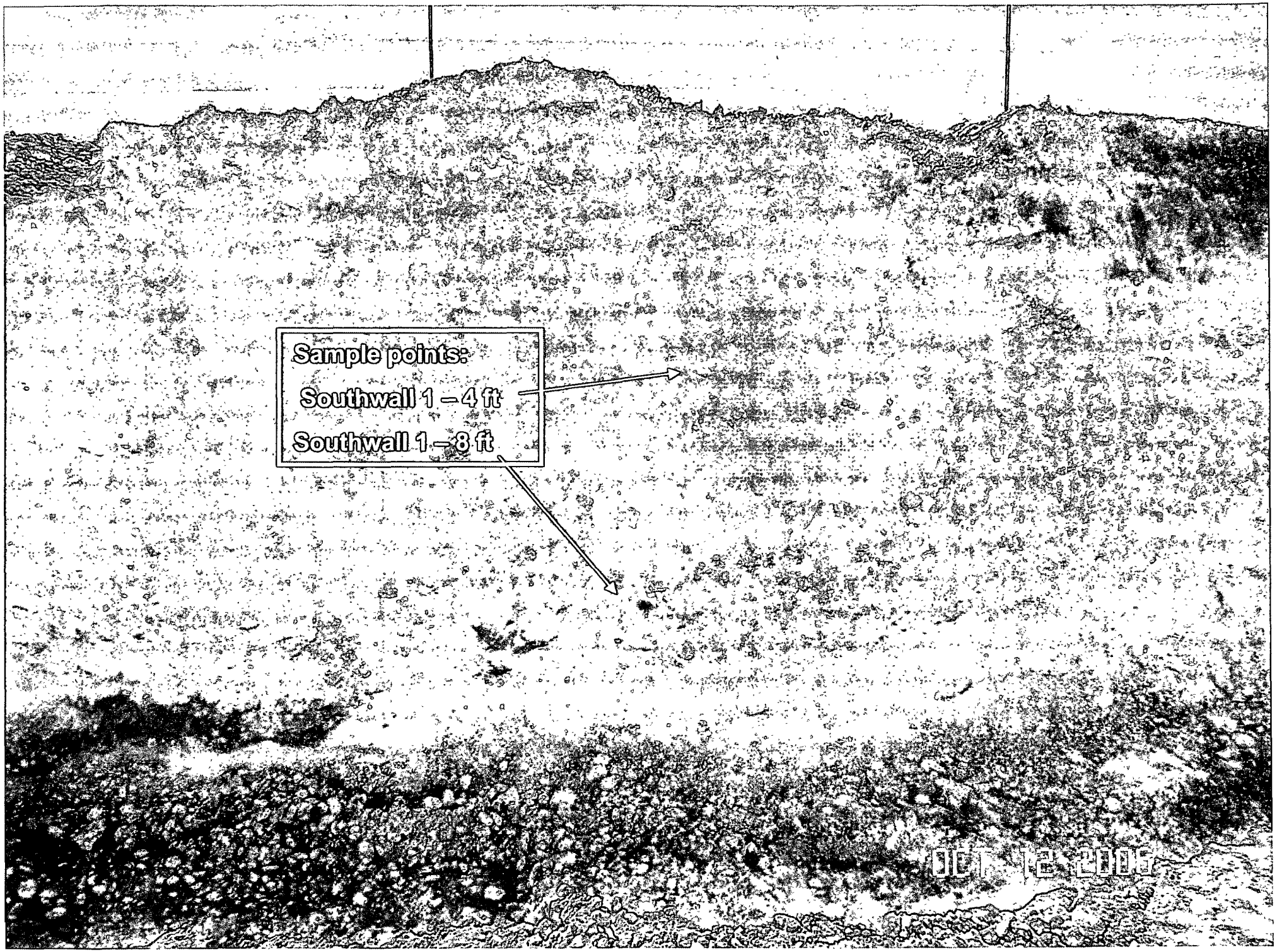
Project site prior to remedial activities.

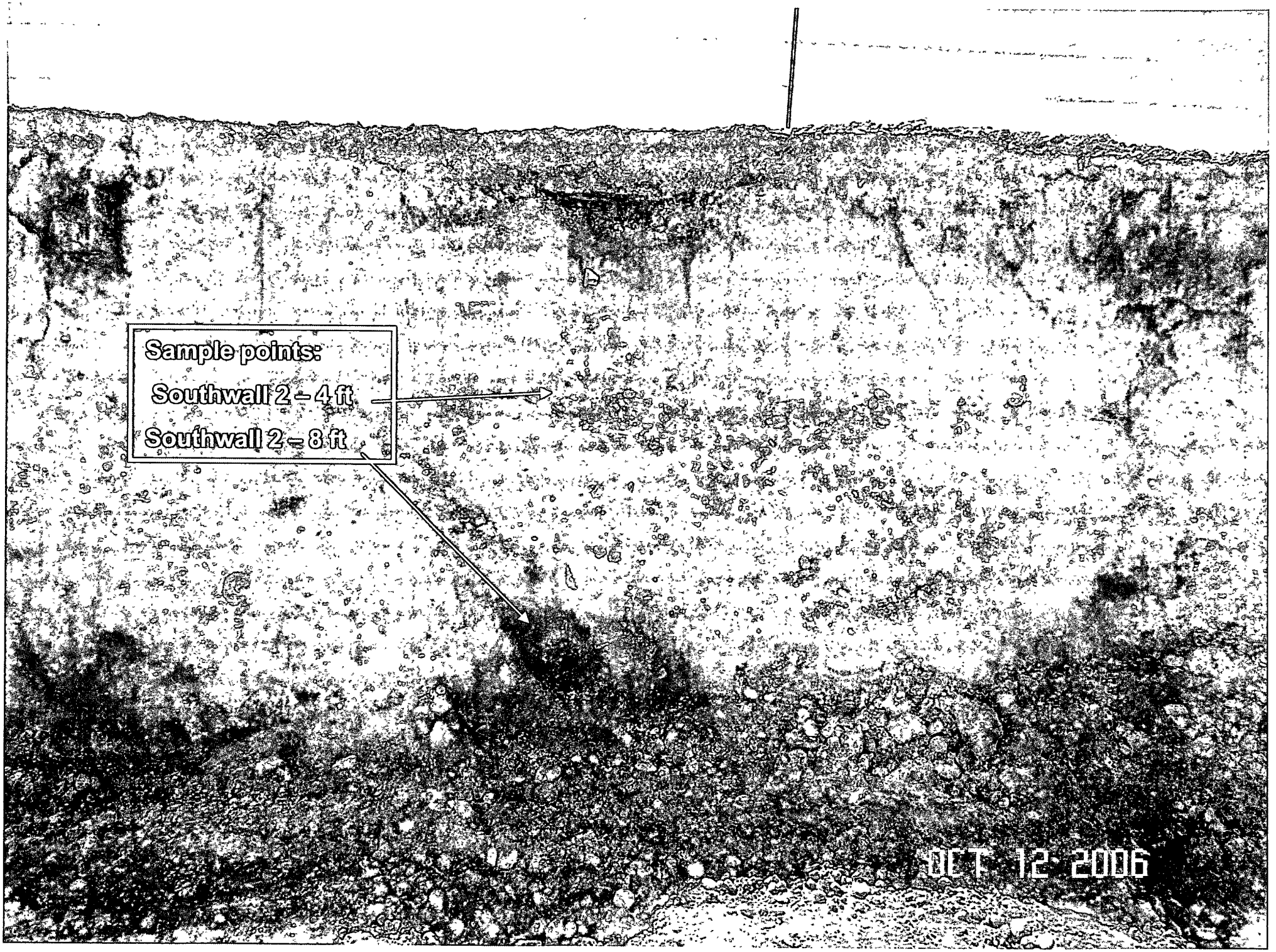


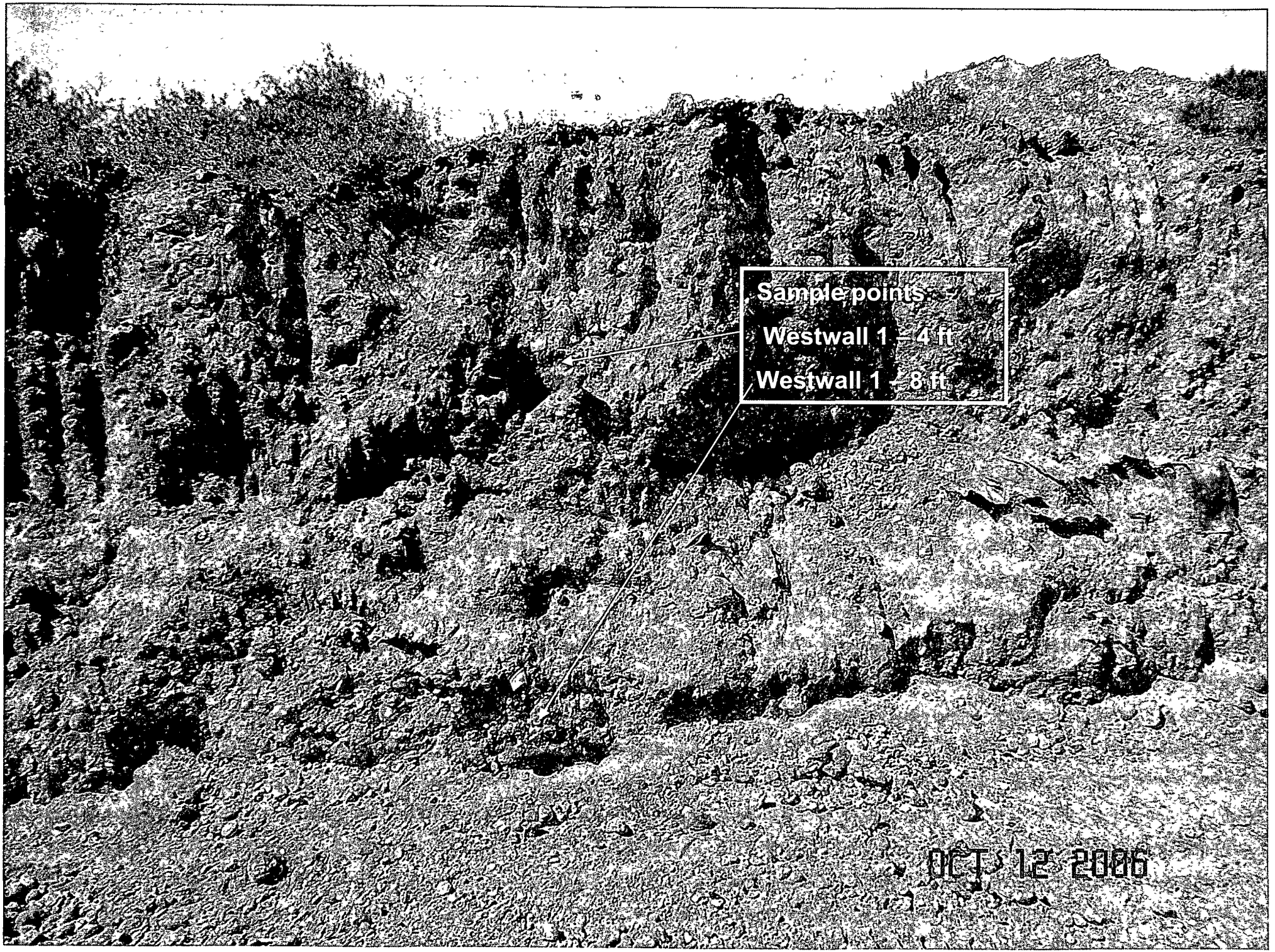

Project site during to remedial activities.
CASE
OCT 31 2006


Project site after remedial activities.
Sample Location: Southwall 1; Southwall 2; Bottom 1; Westwall 1.
OCT 12 2006


Sample points
Bottom 1 – 14 ft
Bottom 1 – 10 ft
OCT 12 2006


Sample points:
Southwall 1 – 4 ft
Southwall 1 – 8 ft


Sample points:
Southwall 2 – 4 ft
Southwall 2 – 8 ft
OCT 12 2006


Sample points
Westwall 1 – 4 ft
Westwall 1 – 8 ft
OCT 12 2006

Bratcher, Mike, EMNRD

From: Larry Gillette [Larryg@eeronline com]
Sent: Wednesday, September 27, 2006 12 25 PM
To: Bratcher, Mike, EMNRD
Cc: camcdonald@terracon com
Subject: Kincaid 1724 Well #.111

Mike,

Received your letter dated 9/18/06 concerning the final cleanup on the drilling pit I feel we should get more time to put a plan together. This area has received tons of rain and we haven't really been able to do anything at this location. I will have our environmental company get right on the delineation and remediation plan. I would like to request an additional 60 days to accomplish the pit delineation and final pit closure.

Mike, I feel that the surface owner interfering in the cleanup of this pit at the time he did has compromised our ability to get this done in a timely matter I also believe it has caused further damage than was there originally because we could have had everything closed up and the rains would not have caused the delays to do the final work

Thanks for your help and consideration in extending the time to get this pit closed Our environmental company will be in touch

Thank you,

Larry Gillette
LCX Energy, LLC

Bratcher, Mike, EMNRD

From: Larry Gillette [Larryg@eeronline com]
Sent: Tuesday, August 01, 2006 3 14 PM
To: Bratcher, Mike, EMNRD
Subject: FW Artesia

Attachments: Report_Packet_1.pdf; ATT58462 txt

LCX
Kincaid 1724 # 111

Report_Packet_1 p df (128 KB)

ATT58462.txt (559 B)

Mike,

Here is the reported samples from the Kincaid well site.

Larry Gillette

-----Original Message-----
From: McDonald, Clayton Alan [mailto:camcdonald@terracon.com]
Sent: Tuesday, August 01, 2006 11:53 AM
To: Larry Gillette
Subject: FW: Artesia

Larry

Here is the lab results for the soil samples collected 7-27-06 from the Artesia site. I will stop by after lunch to discuss.

Clay McDonald
Terracon
Midland, Texas

-----Original Message-----
From: lab@traceanalysis.com [mailto:lab@traceanalysis.com]
Sent: Tuesday, August 01, 2006 11:39 AM
To: McDonald, Clayton Alan
Subject: Artesia

TraceAnalysis, Inc.

(attachments enclosed)

Work Order: 6072704
Contact Person: Clay McDonald

Project Name: Artesia
Project Number: 94068112

Terracon is a dynamic and growing consulting firm of engineers and scientists providing multiple related service lines to local, regional, and national clients.

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The information it contains is intended solely for the use of the one to

whom it is addressed, and any other recipient should destroy all copies.

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail lab@traceanalysis com

Analytical and Quality Control Report

Clay McDonald
Terracon - Midland
24 Smith Road
Suite 261
Midland, TX, 79705

Report Date July 28, 2006

Work Order 6072704

Project Name Artesia
Project Number 94068112

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
96728	#1 East Wall	soil	2006-07-27	08 30	2006-07-27
96729	#2 East Wall 1'	soil	2006-07-27	08 33	2006-07-27
96730	#3 East 2'	soil	2006-07-27	08.36	2006-07-27
96731	#4 West End	soil	2006-07-27	08 39	2006-07-27
96732	#5 West End 1'	soil	2006-07-27	08 42	2006-07-27
96733	#6 West End 2'	soil	2006-07-27	08:45	2006-07-27
96734	#7 South Wall	soil	2006-07-27	08:48	2006-07-27
96735	#8 South West Wall	soil	2006-07-27	08:50	2006-07-27

These results represent only the samples received in the laboratory The Quality Control Report is generated on a batch basis All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed

Michael Abel

Dr. Blair Leftwich, Director

Analytical Report

Sample: 96728 - #1 East Wall

Analysis.	Chloride (IC)	Analytical Method	E 300 0	Prep Method	N/A
QC Batch	28430	Date Analyzed	2006-07-27	Analyzed By	WB
Prep Batch	24868	Sample Preparation	2006-07-27	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**956**	mg/Kg	100	1 00

Sample: 96729 - #2 East Wall 1'

Analysis	Chloride (IC)	Analytical Method	E 300 0	Prep Method.	N/A
QC Batch·	28430	Date Analyzed	2006-07-27	Analyzed By:	WB
Prep Batch	24868	Sample Preparation	2006-07-27	Prepared By	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**192**	mg/Kg	10	1.00

Sample: 96730 - #3 East 2'

Analysis.	Chloride (IC)	Analytical Method:	E 300 0	Prep Method	N/A
QC Batch	28430	Date Analyzed.	2006-07-27	Analyzed By	WB
Prep Batch	24868	Sample Preparation·	2006-07-27	Prepared By·	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**116**	mg/Kg	5	1 00

Sample: 96731 - #4 West End

Analysis	Chloride (IC)	Analytical Method	E 300 0	Prep Method	N/A
QC Batch·	28430	Date Analyzed	2006-07-27	Analyzed By.	WB
Prep Batch:	24868	Sample Preparation:	2006-07-27	Prepared By.	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**574**	mg/Kg	50	1 00

Sample: 96732 - #5 West End 1'

Analysis·	Chloride (IC)	Analytical Method·	E 300 0	Prep Method·	N/A
QC Batch.	28430	Date Analyzed	2006-07-27	Analyzed By	WB
Prep Batch	24868	Sample Preparation	2006-07-27	Prepared By	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1470**	mg/Kg	100	1.00

Sample: 96733 - #6 West End 2'

Analysis	Chloride (IC)	Analytical Method	E 300 0	Prep Method	N/A
QC Batch	28430	Date Analyzed	2006-07-27	Analyzed By	WB
Prep Batch	24868	Sample Preparation	2006-07-27	Prepared By	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4290**	mg/Kg	500	1 00

Sample: 96734 - #7 South Wall

Analysis	Chloride (IC)	Analytical Method	E 300 0	Prep Method	N/A
QC Batch:	28430	Date Analyzed	2006-07-27	Analyzed By.	WB
Prep Batch	24868	Sample Preparation	2006-07-27	Prepared By	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3670**	mg/Kg	500	1.00

Sample: 96735 - #8 South West Wall

Analysis	Chloride (IC)	Analytical Method	E 300 0	Prep Method	N/A
QC Batch	28430	Date Analyzed	2006-07-27	Analyzed By	WB
Prep Batch	24868	Sample Preparation	2006-07-27	Prepared By	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**11500**	mg/Kg	1000	1 00

Matrix Blank (1) QC Batch. 28430

QC Batch	28430	Date Analyzed	2006-07-27	Analyzed By	WB
Prep Batch	24868	QC Preparation	2006-07-27	Prepared By.	WB

Parameter	Flag	MDL Result	Units	RL
Chloride		<0 0222	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch	28430	Date Analyzed	2006-07-27	Analyzed By	WB
Prep Batch	24868	QC Preparation	2006-07-27	Prepared By	WB

Param	LCS Result	LCSD Result	Units	Dil	Spike Amount	Matrix Result	Rec.	RPD	Rec Limit	RPD Limit
Chloride	13 7	13 2	mg/Kg	1	12 5	<0 0222	110	4	90 - 110	20

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample. 96028

QC Batch 28430 Date Analyzed 2006-07-27 Analyzed By: WB
Prep Batch 24868 QC Preparation: 2006-07-27 Prepared By: WB

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	RPD	Rec Limit	RPD Limit
Chloride	2690	2660	mg/Kg	100	12 5	1427	101	1	15 3 - 175	20

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result

Standard (ICV-1)

QC Batch 28430 Date Analyzed: 2006-07-27 Analyzed By: WB

Param	Flag	Units	ICVs True Conc	ICVs Found Conc	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12 5	12 8	102	90 - 110	2006-07-27

Standard (CCV-1)

QC Batch. 28430 Date Analyzed 2006-07-27 Analyzed By: WB

Param	Flag	Units	CCVs True Conc	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.8	102	90 - 110	2006-07-27

4072704

ENVIRONMENTAL, GEOTECHNICAL AND CONSTRUCTION MATERIALS SERVICES

HBC Terracon
Consulting Engineers & Scientists

CHAIN OF CUSTODY RECORD

Office Location: Midland

Project Manager: Clay Mcdonald

Laboratory: Trace

Address:

Contact:

Phone:

PO/SO #: Endevor

Lab use only
Due Date

Temp of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Page 1 of 1

ANALYSIS REQUESTED: Chlorides

Sampler's Name: (Billy walker)

Sampler's Signature: Lance Lightfoot

Endevor Representative recieved by Lance Lightfoot

Proj No: 94068112

Project Name: Artesia

No/Type of Containers: 8 4oz/glass

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt	250 ml	P/O	Chlorides	Lab Sample ID (Lab Use Only)
S	7/26/06	8:30		X	#1 East Wall					X	94728
		8:33			#2 East Wall 1'						29
		8:36			#3 East Wall 2'						30
		8:39			#4 West End						31
		8:42			#5 West End 1'						32
		8:45			#6 West End 2'						33
		8:48			#7 South Wall						34
		8:50			#8 South West Wall						35

Turn around time: ☐ Normal ☐ 50% Rush ☑ 100% Rush

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
Lance Lightfoot	7/26/06	1645	Helen Shelton	7/26/06	1645
Helen Shelton	7/26/06	1730	[signature]	7-27-06	9:56

Send via e-mail to lalightfoo@Terracon.com / CaMcdonald@Terracon.com

24 hr. TAT

Samples to Lubbock

Matrix: WW - Wastewater, W - Water, S - Soil, SD - Solid, L - Liquid, A - Air Bag, C - Charcoal tube, SL sludge, O - Oil

Container: VOA - 40 ml vial, A/G - Amber / Or Glass 1 Liter, 250 ml - Glass wide mouth, P/O - Plastic or other

Houston Office: 2313 W Sam Houston Pkwy N Suite 107, Houston, Texas 77043, (713) 722-0700 Fax (713) 722-0788

Dallas Office: 8901 Carpenter Freeway Suite 100, Dallas, Texas 75247, (214) 630-1010 Fax (214) 630-7070

Fort Worth Office: 2301 E Loop 820 North, Fort Worth, Texas 76118, (817) 268-8600 Fax (817) 268-8602

Austin Office: 3913 Todd Lane Suite 312, Austin Texas 78744, (512) 442-1122 Fax (512) 442-1181

Atlanta Office: 6621 Bay Circle, Suite 120, Norcross Georgia 30071, (770) 263-6774 Fax (770) 263-9766

F110289/0 40

Report Date July 28, 2006
94068112

Work Order 6072704
Artesia

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ALLSTATE ENV.
ATTN: CHARLES CHANLEY
P.O. BOX 11322
MIDLAND, TX 79702
FAX TO: (432) 682-4182

Receiving Date: 07/26/06
Reporting Date: 07/26/06
Project Number: NOT GIVEN
Project Name: LCX
Project Location: 1724 KINCAID

Analysis Date: 07/26/06
Sampling Date: 07/26/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: AB

LAB NO.	SAMPLE ID	Cl⁻ (mg/kg)	
H11389-1	#1 LCX BOTTOM	1360	SP1
H11389-2	#2 LCX 1' BELOW	464	
H11389-3	#3 LCX 2' BELOW	208	
H11389-4	#4 WEST BOTTOM	448	SP2
H11389-5	#5 WEST 1'	1376	
H11389-6	#6 WEST 2'	5198	
H11389-7	#7 SOUTHWALL	3919	
H11389-8	#8 SOUTHWALL WEST	13036	
Quality Control		990	
True Value QC		1000	
% Recovery		99	
Relative Percent Difference		1.0	

METHOD: Standard Methods	4500-ClB

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

Chemist

07-27-06
Date

H11389

7 06 03:40p Daniel W. Dolan

FAX

Allstate Environmental Services LLC

To: MIKE BRATCHER
NMOCD
DISTRICT 2

Number of pages 2

From: Dan Dolan
505/748-5567
fax- 505/365-2851

505-365-2851

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ALLSTATE ENV.
ATTN: CHARLES CHANLEY
P.O. BOX 11322
MIDLAND, TX 79702
FAX TO: (432) 682-4182

Receiving Date: 07/21/06
Reporting Date: 07/21/06
Project Number: NOT GIVEN
Project Name: LCX ENERGY
Project Location: 1724 KINCAID #1

Analysis Date: 07/21/06
Sampling Date: 07/21/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl⁻ (mg/kg)
H11368-1	#1	2031
H11368-2	#2	1983
Quality Control		990
True Value QC		1000
% Recovery		99
Relative Percent Difference		1.0

METHOD: Standard Methods	4500-ClB

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

Chemist

07-21-06
Date

H11368