

RECR – 4

**North Lea Joint
Venture**

**Preliminary Site Visit
10/25/11**



October 25, 2011
File No.: 122078.1-ALB11LT001

New Mexico Oil Conservation Division
1200 South St. Francis Drive
Santa Fe, New Mexico 87505
Attn: Mr. Jim Griswold

**Subject: Site Visit and Initial Assessment
 North Lea Joint Venture Site
 Crossroads, New Mexico**

Dear Mr. Griswold:

Kleinfelder West, Inc. (Kleinfelder) performed a site visit and initial assessment of the property known as the North Lea Joint Venture Site (Subject Site). The site visit was performed on September 19, 2011 with a follow up visit performed on October 5, 2011 by Mr. Bernard Bockisch. Site access was facilitated by Mr. Maxey Brown with the New Mexico Oil Conservation Division (NMOCD). The site is located approximately 2.6 miles northeast of Crossroads, New Mexico (See Figure 1, Site Location Map).

The Subject Site consists of an abandoned crude oil pit that is surrounded by an earthen berm (See Figure 1, Site Plan). The pit is approximately 80 feet long by 80 feet wide. The earthen berm varies in height from approximately 3 to 6 feet high. It is approximately 20 feet wide at the base and 8 to 10 feet wide at the top. The pit is currently surrounded by a 4-wire barbed-wire fence. A gate is located along the western side of the pit. It appears that a portion of the western berm was pushed into the pit and may have been performed to provide access for a piece of equipment, possibly a drill rig.

A groundwater monitoring well was located outside of the fenced area adjacent to the southeastern corner of the pit. Depth to groundwater was observed at 121.19 feet below the top of casing (approximately 118 feet below ground surface). A sample was collected after three well volumes of ground water were bailed from the well. The groundwater sample was analyzed for benzene, toluene, ethylbenzene, and xylene by EPA Method 8260 and gasoline and diesel range organics total petroleum hydrocarbons (TPH) by EPA Method 8015B. The results of these analyses were less than the detection limits for the analytes (see attached).

A second groundwater sample was collected on October 5, 2011 and analyzed for chlorides by EPA Method 6010. During this sampling event, the depth to water was 121.17 feet below the top of casing. The analytical result of this groundwater sample was 2500 milligrams per liter.

Kleinfelder believes that the lack of petroleum hydrocarbons in the groundwater indicates that the observed chloride concentrations may be the result of regional impacts from historical oil production operations. Based on the lack of petroleum hydrocarbons in the well, Kleinfelder believes that it is unlikely that the pit is the source (or at least the only source) of the chloride concentrations.

Based on our site visit, we believe there are three options for closure of the existing pit. These options are:

- Excavation and disposal of impacted materials in an approved landfill and backfilling of the excavation with clean fill,
- Excavation and remediation of the impacted materials by land farming and using the remediated materials for backfill, and
- In-place closure of the pit by placing a cap over the hydrocarbon impacted materials.

Kleinfelder has provided budgetary estimates for each of the closure options. The budgetary estimates are not based upon actual subcontractor costs. However, they are a reasonable estimate of cost based on the assumptions made. They are being provided to assist with deciding on which option to choose.

Excavation and Disposal

Kleinfelder estimates that there is approximately 3550 cubic yards of in-place material to be excavated from the pit. This is based on a surface measurement of the pit materials (approximately 80 feet (ft) by 80 ft) and an estimated depth of 15 ft. The actual depth of the material is currently unknown. However, we feel this is a conservative depth estimate based on the typical depth of pits (15 to 20 ft deep) and the height of the berm over the pit material (5 ft). Once excavated, the material will swell which will increase the overall volume of pit material to be disposed. Using a swell factor of 50%, Kleinfelder estimates a volume of 5335 cubic yards of pit material to be disposed.

The estimated cost to dispose of this material is \$406,000.00. This is based on a per-yard cost of \$100 to excavate, haul, dispose, backfill, and reseed the pit area. The breakdown for the estimate is as follows:

Project and field management, reporting:	\$ 40,000.00
Fence removal and disposal of materials:	\$ 6,000.00
Excavation, hauling, disposal, backfilling, reseeding:	<u>\$360,000.00</u>
	\$406,000.00

Excavation and Landfarming

To landfarm the estimated 5335 cubic yards of material at the site, the process would take several steps. First, permission to landfarm the material would be required from the land owner, the New Mexico Environment Department (NMED) and NMOCD. Secondly, landfarming of the material would be performed by excavating the pit material and placing it within the fenced perimeter adjacent to the pit. Berm material would be pushed into the pit as the pit material was being removed to provide space for land application. Once the pit material was excavated, it would be spread out to a maximum thickness of 2 feet. Clean fill would be brought in, as needed, to bring the pit even with the ground surface.

The pit material would be mixed with manure or other nutrients, watered and turned with a tiller. The pit material would be watered and turned twice per month. Hydrocarbon degradation would be monitored on a monthly basis by collecting samples for laboratory analysis.

Finally, once the COC concentrations in the pit material dropped below regulatory limits, the pile would be thin spread across the site and the fence would be removed. A final report would be submitted that would include a description of the process and the analytical results of the pit material.

The estimated cost to excavate and landfarm this material is \$216,000. This is based on a timeframe of approximately one year for the COC soil concentrations to drop below regulatory limits. The estimate includes backfilling the pit to ground surface with clean fill, monthly maintenance and sampling, fence removal, final spreading, and reporting. The breakdown for this is as follows:

Project and field management, sampling, and reporting:	\$ 75,000.00
Fence removal and disposal of materials:	\$ 6,000.00
Excavation, hauling, disposal, backfilling, reseeding:	<u>\$135,000.00</u>
	\$216,000.00

A limiting factor in this option is that the winter months are approaching. The microbial population that normally degrades TPH concentrations becomes dormant when temperatures drop below 40 degrees F. If this option is selected, it may be prudent to wait until the spring to perform the remediation.

In-Place Closure

In-place closure would be performed by filling in the low areas of the pit with the berm material. Additional clean fill may be brought in if necessary. Once the pit area was filled to grade, a 1 to 2 foot lift of clean sand would be placed on the ground surface over the former pit area. The sand would be used to protect the liner from possible penetrations from the ground surface. A 60-mil polyethylene liner would be placed over the sand and capped with an additional 6-inch to 1 foot thick lift of sand. Clean fill capable of

supporting vegetation would be placed over the sand and sloped so that water would run off of the pit area. The area would then be revegetated.

The estimated cost to place a cap over the pit is \$175,000. This is based on a timeframe of approximately one year for the soil concentrations to drop below regulatory limits. The estimate includes permitting and design, backfilling the pit to ground surface with clean fill, revegetation, removal of the fence and final reporting. The breakdown for this is as follows:

Design, permitting, project and field management, and reporting:	\$ 64,000.00
Fence removal and disposal of materials:	\$ 6,000.00
Excavation, hauling, disposal, backfilling, reseeding:	<u>\$105,000.00</u>
	\$175,000.00

Prior to performing pit closure, Kleinfelder recommends advancing three borings at the Subject Site to assess the potential horizontal and vertical extent of COCs. The first boring would be advanced as close to the pit as possible within the portion of the berm that was pushed into the pit (see Figure 1). This boring would help assess the vertical extent of COCs as well as provide an estimate of the depth of material in the pit. The remaining two borings would be placed to the northeast and southeast corners of the pit. These borings would assist with assessing the horizontal extent of impacts from the pit. Each boring would be advanced to a depth of approximately 75 ft (bgs) and sampled for TPH and chlorides. Kleinfelder would also collect a sample of the pit material for possible landfill disposal characterization.

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions, and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee, or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided. This report may be used only by the Client and only for the purposes stated for this specific engagement within a reasonable time from its issuance, but in no event later than two (2) years from the date of this letter.

Should you agree with our approach we will provide a workplan and cost estimate for the proposed initial assessment (drilling and sampling) of the pit. Should you have any questions, we would be pleased to discuss them with you.

Respectfully submitted,
KLEINFELDER WEST, INC.



Bernard Bockisch, PMP
Senior Project Manager

Reviewed by:

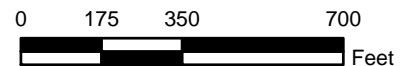



Eileen L. Shannon, PG
Project Professional



SOURCES: http://services.arcgisonline.com/ArcGIS/rest/services/ESRI_Imagery_World_2D/MapServer

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 <p>KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfelder.com</p>	PROJECT NO. 122078	SITE MAP	FIGURE 1
	DRAWN: 10/20/2011		
	DRAWN BY: PD		
	CHECKED BY: BB	NORTH LEA JOINT VENTURE PIT 2.6 MILES NW OF CROSSROADS, NM LEA COUNTY, NEW MEXICO	
	FILE NAME: 122078_SiteMap.MXD		

PLOTTED: 25 Oct 2011, 8:56am, dfahney

CAD FILE: L:\2011\CADD\122078\ LAYOUT: Layout1

4-STRAND
BARBED-WIRE
FENCE

APPROXIMATE 5' HIGH SOIL
BERM, 20' WIDE AT BASE
AND 8' TO 12' WIDE AT TOP

B-1

PIT

SOIL BERM

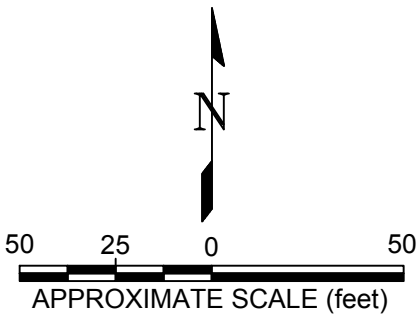
SOIL BERM

SOIL BERM

B-2



B-3

SURFACE
STAINED
AREA



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LEGEND

-  APPROXIMATE MONITORING WELL LOCATION
-  **B-3** PROPOSED BORING LOCATION

ATTACHED IMAGES:
ATTACHED XREFS:
RIVERSIDE, CA



PROJECT NO.	122078
DRAWN:	9/2011
DRAWN BY:	DMF
CHECKED BY:	BB
FILE NAME:	122078-F1.dwg

BORING LOCATION MAP

NORTH LEA SITE
NMOCD - NEW MEXICO OIL CONSERVATION DIVISION
CROSS ROADS, NEW MEXICO

FIGURE

2

COVER LETTER

Tuesday, September 27, 2011

Bernie Bockisch
Kleinfelder
9019 Washington NE Building A
Albuquerque, NM 87113

TEL: (505) 344-7373

FAX (505) 344-1711

RE: North Lez Pit

Order No.: 1109702

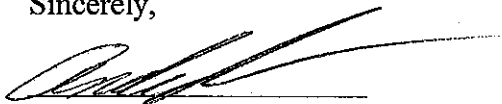
Dear Bernie Bockisch:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 9/20/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901

AZ license # AZ0682

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Sep-11

Analytical Report

CLIENT: Kleinfelder Client Sample ID: NL-1
Lab Order: 1109702 Collection Date: 9/19/2011 2:47:00 PM
Project: North Lez Pit Date Received: 9/20/2011
Lab ID: 1109702-01 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/22/2011 12:14:36 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/22/2011 12:14:36 PM
Surr: DNOP	147	81.1-147		%REC	1	9/22/2011 12:14:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/26/2011 9:18:03 PM
Surr: BFB	92.7	65.4-141		%REC	1	9/26/2011 9:18:03 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: MMS
Benzene	ND	1.0		µg/L	1	9/21/2011 1:52:59 AM
Toluene	ND	1.0		µg/L	1	9/21/2011 1:52:59 AM
Ethylbenzene	ND	1.0		µg/L	1	9/21/2011 1:52:59 AM
Xylenes, Total	ND	2.0		µg/L	1	9/21/2011 1:52:59 AM
Surr: 1,2-Dichloroethane-d4	93.7	70-130		%REC	1	9/21/2011 1:52:59 AM
Surr: 4-Bromofluorobenzene	98.3	73-131		%REC	1	9/21/2011 1:52:59 AM
Surr: Dibromofluoromethane	101	70-130		%REC	1	9/21/2011 1:52:59 AM
Surr: Toluene-d8	91.8	70-130		%REC	1	9/21/2011 1:52:59 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Sep-11

Analytical Report

CLIENT: Kleinfelder
Lab Order: 1109702
Project: North Lez Pit
Lab ID: 1109702-02

Client Sample ID: TRIP BLANK
Collection Date:
Date Received: 9/20/2011
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: MMS
Benzene	ND	1.0		µg/L	1	9/21/2011 3:38:33 AM
Toluene	ND	1.0		µg/L	1	9/21/2011 3:38:33 AM
Ethylbenzene	ND	1.0		µg/L	1	9/21/2011 3:38:33 AM
Xylenes, Total	ND	2.0		µg/L	1	9/21/2011 3:38:33 AM
Surr: 1,2-Dichloroethane-d4	92.0	70-130		%REC	1	9/21/2011 3:38:33 AM
Surr: 4-Bromofluorobenzene	92.5	73-131		%REC	1	9/21/2011 3:38:33 AM
Surr: Dibromofluoromethane	96.8	70-130		%REC	1	9/21/2011 3:38:33 AM
Surr: Toluene-d8	92.5	70-130		%REC	1	9/21/2011 3:38:33 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Kleinfelder
Project: North Lez Pit

Work Order: 1109702

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8015B: Diesel Range

Sample ID: MB-28523			MBLK			Batch ID: 28523		Analysis Date: 9/22/2011 8:48:08 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-28523			LCS			Batch ID: 28523		Analysis Date: 9/22/2011 9:22:39 AM	
Diesel Range Organics (DRO)	5.525	mg/L	1.0	5	0	111	74	157	
Sample ID: LCSD-28523			LCSD			Batch ID: 28523		Analysis Date: 9/22/2011 9:57:00 AM	
Diesel Range Organics (DRO)	5.705	mg/L	1.0	5	0	114	74	157	3.20 23

Method: EPA Method 8015B: Gasoline Range

Sample ID: B 7		MBLK				Batch ID: R47995		Analysis Date: 9/26/2011 2:09:39 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		LCS				Batch ID: R47995		Analysis Date: 9/26/2011 1:11:45 PM	
Gasoline Range Organics (GRO)	0.5598	mg/L	0.050	0.5	0	112	92.1	117	

Method: EPA Method 8260: Volatiles Short List

Sample ID: 1109702-01a msd		MSD				Batch ID: R47892		Analysis Date: 9/21/2011 2:45:47 AM		
Benzene	18.94	µg/L	1.0	20	0	94.7	69.2	127	2.63	18.7
Toluene	18.64	µg/L	1.0	20	0	93.2	68.2	130	3.20	16.9
Sample ID: 5ml rb		MBLK				Batch ID: R47892		Analysis Date: 9/20/2011 10:01:02 AM		
Benzene	ND	µg/L	1.0							
Toluene	ND	µg/L	1.0							
Ethylbenzene	ND	µg/L	1.0							
Xylenes, Total	ND	µg/L	2.0							
Sample ID: 100ng lcs		LCS				Batch ID: R47892		Analysis Date: 9/20/2011 10:54:59 AM		
Benzene	20.23	µg/L	1.0	20	0	101	81.1	130		
Toluene	19.21	µg/L	1.0	20	0	96.1	82.3	122		
Sample ID: 1109702-01a ms		MS				Batch ID: R47892		Analysis Date: 9/21/2011 2:19:26 AM		
Benzene	19.45	µg/L	1.0	20	0	97.2	69.2	127		
Toluene	19.24	µg/L	1.0	20	0	96.2	68.2	130		

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name KLEIN

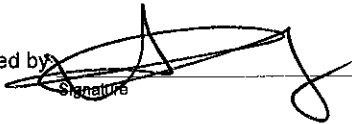
Date Received:

9/20/2011

Work Order Number 1109702

Received by: AMG

Checklist completed by:



9/20/11

Sample ID labels checked by:

Initials

AT

Matrix:

Carrier name: Client drop-off

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☐

Not Shipped ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

6.2°

<6° C Acceptable

If given sufficient time to cool.

Number of preserved
bottles checked for
pH:

<2 >12 unless noted
below.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

Client: KLEINFELDER

Client: KLEINFELDER

Mailing Address: 9019-A WASHINGTON NE

ALBUQUERQUE NM 87113

Phone #: 505-344-7373

email or Fax#: BIBOLITSCH@KLEINFELDER.CO

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☒ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

NORTH LEEZ PIT

Project #: 122078

Project Manager:

BERNARD BOCHSUT

Sampler: B. BOGITSCH

On Ice: ~~Yes~~

Sample Temperature

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/11	10:18	<i>[Signature]</i>	<i>[Signature]</i>	6/20/11	10:18
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

COVER LETTER

Wednesday, October 12, 2011

Bernard Bokisch
Kleinfelder
9019 Washington NE Building A
Albuquerque, NM 87113

TEL: (505) 344-7373

FAX (505) 344-1711

RE: North LEA Pit

Dear Bernard Bokisch:

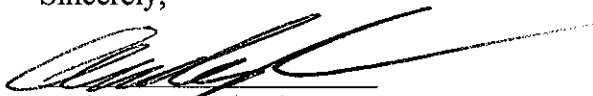
Order No.: 1110365

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 10/6/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682

Hall Environmental Analysis Laboratory, Inc.

Date: 12-Oct-11

Analytical Report

CLIENT: Kleinfelder Client Sample ID: North LEA-1 Chloride
Lab Order: 1110365 Collection Date: 10/4/2011 12:07:00 PM
Project: North LEA Pit Date Received: 10/6/2011
Lab ID: 1110365-01 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SRM
Chloride	2500	100		mg/L	200	10/11/2011 2:31:41 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Kleinfelder
Project: North LEA Pit

Work Order: 1110365

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		<i>MBLK</i>									
Chloride	ND	mg/L	0.50								
Sample ID: MB		<i>MBLK</i>									
Chloride	ND	mg/L	0.50								
Sample ID: LCS		<i>LCS</i>									
Chloride	5.014	mg/L	0.50	5	0	100	90	110			
Sample ID: LCS		<i>LCS</i>									
Chloride	4.982	mg/L	0.50	5	0	99.6	90	110			
Sample ID: LCSD		<i>LCSD</i>									
Chloride	4.977	mg/L	0.50	5	0	99.5	90	110	0.728	20	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name KLEIN

Date Received:

10/6/2011

Work Order Number 1110365

Received by: AMG

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Not Shipped <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Number of preserved bottles checked for pH:
Water - Preservation labels on bottle and cap match?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	<2 >12 unless noted below.
Container/Temp Blank temperature?	4.1°	<6° C Acceptable		
COMMENTS:	If given sufficient time to cool.			

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Client: KLEINFEDER, INC.

Mailing Address: 9019A WASHINGTON NE

Phone #: 505-344-7373

email or Fax#: BOOKS@KLEINFEDER.COM

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☒ NELAP ☐ Other _____

☐ EDD (Type) _____

☒ Standard ☐ Rush

NORTH LEA PLT

122078/1

BERNARD BOCKISCH

Sampler: **BERNARD BOUKISCH**

Sample Temperature

Date	Time	Matrix	Sample Request ID
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Container
Type and #Preservative
Type

© 1994

10/4/11	12.07	WATER	NORTH LEA-1 CHURCH
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ix POLY

NONE

- 1 -


[illegible]

Date: 11/19/11	Time: 7:26	Relinquished by: [Signature]
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Received by: Queen Y. Shu Date 10/6/11 Time 7:26

Remarks:

Date:	Time:	Relinquished by:
06/11	11:50	Alan J. Smith

Received by:	Date	Time
	10/1/11	11:57