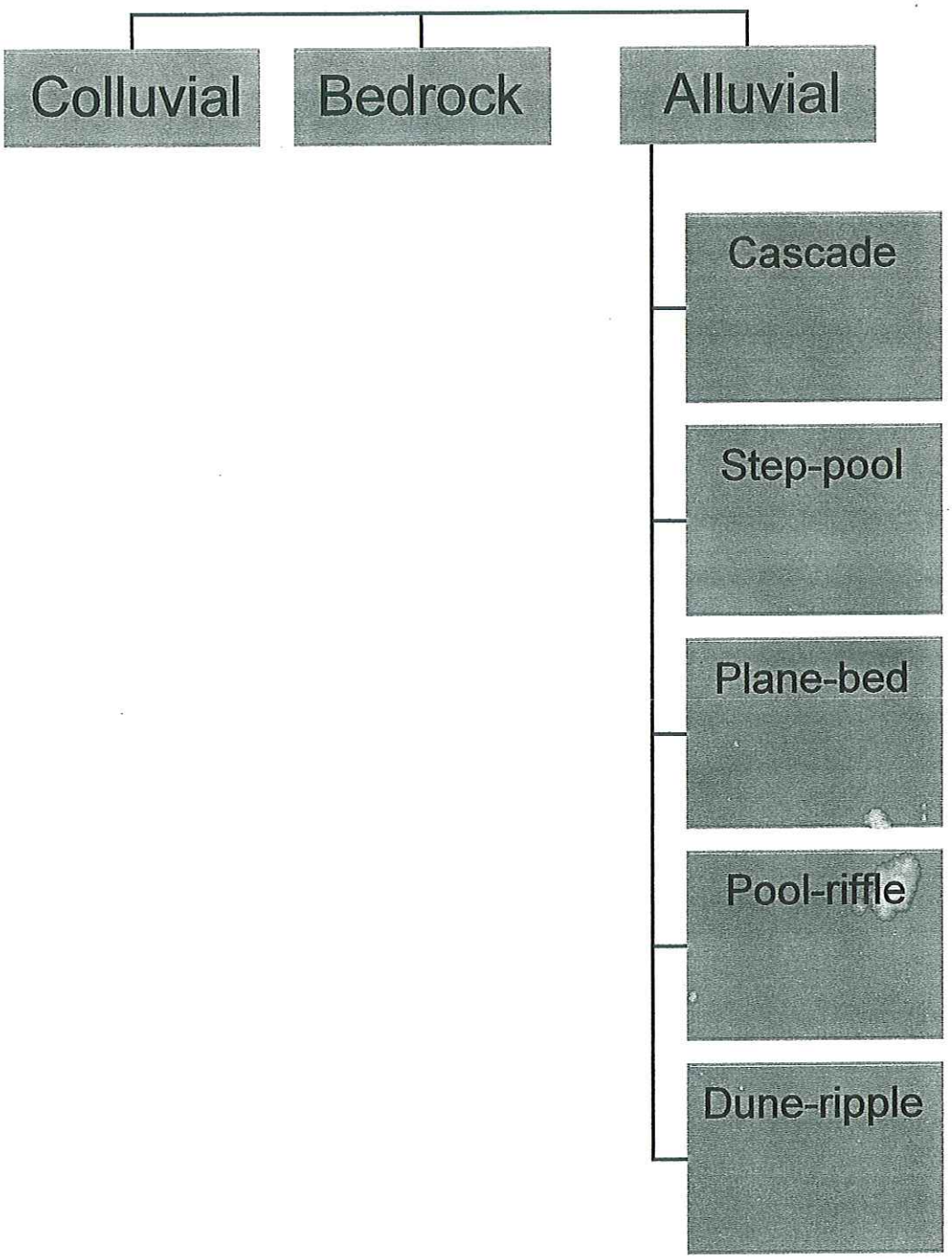
APPENDIX E

Montgomery-Buffington Classification System Information



Montgomery and Buffington Channel Classification System

Diagnostic Features of the Montgomery-Buffington Channel Types

	Colluvial	Alluvial				
		Dune-Ripple	Pool-Riffle	Plane-Bed	Step-Pool	Cascade
Bed Material	Variable	Sand	Gravel	Gravel- cobble	Cobble-boulder	Boulder
Bedform Pattern	Variable	Multi-layered	Laterally oscillatory	Featureless	Vertically oscillatory	Random
Dominant Roughness	Grains, LWD	Sinuosity, banks, grains, bedforms (dunes, ripples, bars)	Bedforms (bars, pools), sinuosity, banks, grains	Grains, banks	Grains, banks	Grains, banks
Sediment Sources	Hillslopes Debris Flows	Fluvial, bank failure	Fluvial, bank failure	Fluvial, bank failure, debris flow	Fluvial, hillslope, debris flow	Fluvial, hillslope, debris flows
Sediment Storage	Bed	Overbank, bedforms	Overbank, bedforms	Overbank	Bedforms	Lee and stoss sides of obstructions
Confinement	Confined	Unconfined	Unconfined	Variable	Confined	Confined
Pool spacing (channel widths)		5 to 7	5 to 7	none	1 to 4	<1
Typical Slope	>.10	<0.001	<0.015	0.015 - 0.03	0.03 – 0.065	>0.065
Reach Type	Source	Response Transport-limited	Response may have either Supply- or Transport-limited characteristics	Response may have either Supply- or Transport-limited characteristics	Transport Supply-limited	Transport Supply-limited

Source: Montgomery-Buffington, 1997

APPENDIX F

Laboratory Analytical Report and Chain-of-Custody

WETLAB
WESTERN ENVIRONMENTAL
TESTING LABORATORY

475 E. Greg Street #119 | Sparks, Nevada 89431 | tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

November 17, 2006

Lab Sample ID: 610-123

Kleinfelder Inc.
4835 Longley Ln.
Reno, NV 89502
Attn: Melissa Sherman

Dear Ms. Sherman,

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 10/11/06.

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Sulfate and Chloride on sample SW - 2 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to a laboratory oversight the analysis for Turbidity was performed past the EPA recommended holding time for samples SW-3, SW-4, SW-5, SW-6, SW-9, SW-10 and SW-15. We apologize for any inconvenience this may have caused.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

Andy Smith
Laboratory Manager
EPA Lab ID NV004

Western Environmental Testing Laboratory
Analytical Report

Kleinfelder Inc.
4835 Longley Ln.
Reno, NV 89502
Attn: Melissa Sherman

Phone: 689-7800 Fax: 689-7810

EPA Lab ID: NV004
Received: 10/11/06
Lab Sample ID: 610-123 01/02
Reported: 11/17/06

Project Name/Number: HMR / 74407.02
Client Sample ID/Location: See Below
Date/Time Collected: See Below
Sampled By: Client

Parameter	Method	Results	Units	Analyzed
SW - 2 10/11/06 @ 1345				
Chloride	300.0	1.5M	mg/L	10/30/06
Nitrate Nitrogen	300.0	0.10	mg/L	10/12/06
Nitrite Nitrogen	300.0	0.050	mg/L	10/12/06
Oil and Grease	1664	<2.8	mg/L	10/16/06
Total Phosphorus	365.3	0.020	mg/L	10/17/06
Sulfate	300.0	<1.0M	mg/L	10/30/06
Total Kjeldahl Nitrogen	351.2	<0.050	mg/L	10/30/06
Total Nitrogen	Calc.	0.15	mg/L	10/30/06
Total Dissolved Solids	2540C	46	mg/L	10/17/06
Turbidity	180.1	<0.10	NTU	10/13/06
Iron	200.7	<0.010	mg/L	10/25/06
SW - 3 10/10/06 @ 1030				
Chloride	300.0	1.2	mg/L	10/30/06
Nitrate Nitrogen	300.0	0.046	mg/L	10/12/06
Nitrite Nitrogen	300.0	<0.010	mg/L	10/12/06
Oil and Grease	1664	<2.8	mg/L	10/16/06
Total Phosphorus	365.3	0.015	mg/L	10/17/06
Sulfate	300.0	<1.0	mg/L	10/30/06
Total Kjeldahl Nitrogen	351.2	0.27	mg/L	10/30/06
Total Nitrogen	Calc.	0.32	mg/L	10/30/06
Total Dissolved Solids	2540C	36	mg/L	10/17/06
Turbidity	180.1	0.61	NTU	10/13/06
Iron	200.7	0.25	mg/L	10/25/06

M = Reported value for this analyte demonstrated a matrix effect.

Andy Smith, Lab Manager

Western Environmental Testing Laboratory
Analytical Report

Kleinfelder Inc.
4835 Longley Ln.
Reno, NV 89502
Attn: Melissa Sherman

Phone: 689-7800 Fax: 689-7810

EPA Lab ID: NV004
Received: 10/11/06
Lab Sample ID: 610-123 03/04
Reported: 11/17/06

Project Name/Number: HMR / 74407.02
Client Sample ID/Location: See Below
Date/Time Collected: See Below
Sampled By: Client

Parameter	Method	Results	Units	Analyzed
SW - 4 10/10/06 @ 1115				
Chloride	300.0	1.5	mg/L	10/30/06
Nitrate Nitrogen	300.0	0.16	mg/L	10/12/06
Nitrite Nitrogen	300.0	<0.010	mg/L	10/12/06
Oil and Grease	1664	<2.8	mg/L	10/16/06
Total Phosphorus	365.3	0.012	mg/L	10/17/06
Sulfate	300.0	7.3	mg/L	10/30/06
Total Kjeldahl Nitrogen	351.2	0.48	mg/L	10/30/06
Total Nitrogen	Calc.	0.64	mg/L	10/30/06
Total Dissolved Solids	2540C	56	mg/L	10/17/06
Turbidity	180.1	0.95	NTU	10/13/06
Iron	200.7	0.076	mg/L	10/25/06
SW - 5 10/10/06 @ 1145				
Chloride	300.0	2.6	mg/L	10/30/06
Nitrate Nitrogen	300.0	0.14	mg/L	10/12/06
Nitrite Nitrogen	300.0	<0.010	mg/L	10/12/06
Oil and Grease	1664	<2.8	mg/L	10/16/06
Total Phosphorus	365.3	0.034	mg/L	10/17/06
Sulfate	300.0	<1.0	mg/L	10/30/06
Total Kjeldahl Nitrogen	351.2	1.2	mg/L	10/30/06
Total Nitrogen	Calc.	1.3	mg/L	10/30/06
Total Dissolved Solids	2540C	63	mg/L	10/17/06
Turbidity	180.1	50	NTU	10/13/06
Iron	200.7	0.30	mg/L	10/25/06

Andy Smith, Lab Manager

Western Environmental Testing Laboratory
Analytical Report

Kleinfelder Inc.
4835 Longley Ln.
Reno, NV 89502
Attn: Melissa Sherman

Phone: 689-7800 Fax: 689-7810

EPA Lab ID: NV004
Received: 10/11/06
Lab Sample ID: 610-123 05/06
Reported: 11/17/06

Project Name/Number: HMR / 74407.02
Client Sample ID/Location: See Below
Date/Time Collected: See Below
Sampled By: Client

Parameter	Method	Results	Units	Analyzed
SW - 6 10/10/06 @ 1240				
Chloride	300.0	1.1	mg/L	10/30/06
Nitrate Nitrogen	300.0	0.045	mg/L	10/12/06
Nitrite Nitrogen	300.0	<0.010	mg/L	10/12/06
Oil and Grease	1664	<2.8	mg/L	10/16/06
Total Phosphorus	365.3	<0.010	mg/L	10/17/06
Sulfate	300.0	<1.0	mg/L	10/30/06
Total Kjeldahl Nitrogen	351.2	1.1	mg/L	11/02/06
Total Nitrogen	Calc.	1.1	mg/L	11/02/06
Total Dissolved Solids	2540C	32	mg/L	10/17/06
Turbidity	180.1	0.42	NTU	10/13/06
Iron	200.7	0.14	mg/L	10/25/06
SW - 7 10/11/06 @ 1200				
Chloride	300.0	1.5	mg/L	10/30/06
Nitrate Nitrogen	300.0	0.12	mg/L	10/12/06
Nitrite Nitrogen	300.0	0.050	mg/L	10/12/06
Oil and Grease	1664	<2.8	mg/L	10/16/06
Total Phosphorus	365.3	<0.010	mg/L	10/17/06
Sulfate	300.0	<1.0	mg/L	10/30/06
Total Kjeldahl Nitrogen	351.2	0.19	mg/L	11/02/06
Total Nitrogen	Calc.	0.36	mg/L	11/02/06
Total Dissolved Solids	2540C	54	mg/L	10/17/06
Turbidity	180.1	0.86	NTU	10/13/06
Iron	200.7	<0.010	mg/L	10/25/06

Andy Smith, Lab Manager

Western Environmental Testing Laboratory
Analytical Report

Kleinfelder Inc.
4835 Longley Ln.
Reno, NV 89502
Attn: Melissa Sherman

Phone: 689-7800 Fax: 689-7810

EPA Lab ID: NV004
Received: 10/11/06
Lab Sample ID: 610-123 07/08
Reported: 11/17/06

Project Name/Number: HMR / 74407.02
Client Sample ID/Location: See Below
Date/Time Collected: See Below
Sampled By: Client

Parameter	Method	Results	Units	Analyzed
SW - 8 10/11/06 @ 1130				
Chloride	300.0	1.8	mg/L	10/30/06
Nitrate Nitrogen	300.0	0.10	mg/L	10/12/06
Nitrite Nitrogen	300.0	0.065	mg/L	10/12/06
Oil and Grease	1664	<2.8	mg/L	10/16/06
Total Phosphorus	365.3	<0.010	mg/L	10/17/06
Sulfate	300.0	<1.0	mg/L	10/30/06
Total Kjeldahl Nitrogen	351.2	0.14	mg/L	11/02/06
Total Nitrogen	Calc.	0.30	mg/L	11/02/06
Total Dissolved Solids	2540C	63	mg/L	10/17/06
Turbidity	180.1	0.18	NTU	10/13/06
Iron	200.7	0.015	mg/L	10/25/06
SW - 9 10/10/06 @ 1215				
Chloride	300.0	1.2	mg/L	10/30/06
Nitrate Nitrogen	300.0	0.041	mg/L	10/12/06
Nitrite Nitrogen	300.0	<0.010	mg/L	10/12/06
Oil and Grease	1664	<2.8	mg/L	10/16/06
Total Phosphorus	365.3	<0.010	mg/L	10/17/06
Sulfate	300.0	<1.0	mg/L	10/30/06
Total Kjeldahl Nitrogen	351.2	0.45	mg/L	11/02/06
Total Nitrogen	Calc.	0.49	mg/L	11/02/06
Total Dissolved Solids	2540C	18	mg/L	10/17/06
Turbidity	180.1	1.8	NTU	10/13/06
Iron	200.7	0.12	mg/L	10/25/06

Andy Smith, Lab Manager

Western Environmental Testing Laboratory
Analytical Report

Kleinfelder Inc.
4835 Longley Ln.
Reno, NV 89502
Attn: Melissa Sherman

Phone: 689-7800 Fax: 689-7810

EPA Lab ID: NV004
Received: 10/11/06
Lab Sample ID: 610-123 09/10
Reported: 11/17/06

Project Name/Number: HMR / 74407.02
Client Sample ID/Location: See Below
Date/Time Collected: See Below
Sampled By: Client

Parameter	Method	Results	Units	Analyzed
SW - 10 10/10/06 @ 1245				
Chloride	300.0	1.1	mg/L	10/30/06
Nitrate Nitrogen	300.0	0.044	mg/L	10/12/06
Nitrite Nitrogen	300.0	<0.010	mg/L	10/12/06
Oil and Grease	1664	<2.8	mg/L	10/16/06
Total Phosphorus	365.3	<0.010	mg/L	10/17/06
Sulfate	300.0	<1.0	mg/L	10/30/06
Total Kjeldahl Nitrogen	351.2	0.12	mg/L	11/02/06
Total Nitrogen	Calc.	0.16	mg/L	11/02/06
Total Dissolved Solids	2540C	33	mg/L	10/17/06
Turbidity	180.1	0.39	NTU	10/13/06
Iron	200.7	0.028	mg/L	10/25/06
SW - 14 10/11/06 @ 1340				
Chloride	300.0	1.4	mg/L	10/30/06
Nitrate Nitrogen	300.0	0.087	mg/L	10/12/06
Nitrite Nitrogen	300.0	0.082	mg/L	10/12/06
Oil and Grease	1664	<2.8	mg/L	10/16/06
Total Phosphorus	365.3	<0.010	mg/L	10/17/06
Sulfate	300.0	<1.0	mg/L	10/30/06
Total Kjeldahl Nitrogen	351.2	<0.050	mg/L	11/02/06
Total Nitrogen	Calc.	0.17	mg/L	11/02/06
Total Dissolved Solids	2540C	110	mg/L	10/17/06
Turbidity	180.1	<0.10	NTU	10/13/06
Iron	200.7	<0.010	mg/L	10/25/06

Andy Smith, Lab Manager

Western Environmental Testing Laboratory
Analytical Report

Kleinfelder Inc.
4835 Longley Ln.
Reno, NV 89502
Attn: Melissa Sherman

Phone: 689-7800 Fax: 689-7810

EPA Lab ID: NV004
Received: 10/11/06
Lab Sample ID: 610-123 11
Reported: 11/17/06

Project Name/Number: HMR / 74407.02
Client Sample ID/Location: See Below
Date/Time Collected: See Below
Sampled By: Client

Parameter	Method	Results	Units	Analyzed
SW - 15 10/10/06 @ 1330				
Chloride	300.0	1.3	mg/L	10/30/06
Nitrate Nitrogen	300.0	0.058	mg/L	10/12/06
Nitrite Nitrogen	300.0	<0.010	mg/L	10/12/06
Oil and Grease	1664	<2.8	mg/L	10/16/06
Total Phosphorus	365.3	<0.010	mg/L	10/17/06
Sulfate	300.0	<1.0	mg/L	10/30/06
Total Kjeldahl Nitrogen	351.2	0.13	mg/L	11/02/06
Total Nitrogen	Calc.	0.19	mg/L	11/02/06
Total Dissolved Solids	2540C	88	mg/L	10/17/06
Turbidity	180.1	0.27	NTU	10/13/06
Iron	200.7	<0.010	mg/L	10/25/06

Andy Smith, Lab Manager

QUALITY CONTROL REPORT

Sample ID: 610-123
Reported: 11/17/06

PARAMETER	METHOD	UNITS	METHOD BLANK RESULTS	LABORATORY FORTIFIED BLANK			DUPLICATE		
				RESULT	ACTUAL	% RECOVERY	SAMPLE RESULT	DUPLICATE RESULT	% RPD
Turbidity	180.1	NTU	<0.10	5.23	5.00	105	4.7	4.9	4
Turbidity	180.1	NTU	<0.10	5.23	5.00	105	3.4	3.6	6
TDS	2540C	mg/L	<10	150	150	100	63	62	2
TDS	2540C	mg/L	<10	156	150	104	326	38	5
Chloride	300.0	mg/L	<1.00	4.94	5.00	99	1.39	1.28	9
Nitrate Nitrogen	300.0	mg/L	<0.10	0.451	0.500	90	0.503	0.488	3
Nitrate Nitrogen	300.0	mg/L	<0.10	0.451	0.500	90	0.503	0.488	3
Nitrite Nitrogen	300.0	mg/L	<0.10	0.506	0.500	101	0.339	0.318	6
Nitrite Nitrogen	300.0	mg/L	<0.10	0.506	0.500	101	0.339	0.318	6
TKN	351.2	mg/L	<0.050	0.672	0.690	97	0.806	0.773	4
TKN	351.2	mg/L	<0.050	0.672	0.690	97	0.877	0.745	16
Total Phos.	365.3	mg/L	<0.010	0.500	0.500	101	0.517	0.506	2
Sulfate	300.0	mg/L	<1.00	9.39	10.0	94	1.27	1.23	4
Oil and Grease	1664	mg/L	<2.8	20.5	20.0	102	<2.8	<2.8	N/A

PARAMETER	METHOD	UNITS	MATRIX SPIKE RESULTS					DATE
			SPIKED SAMPLE	SAMPLE RESULT	SPIKE RESULT	SPIKE VALUE	% RECOVERY	
Chloride	300.0	mg/L	610-123-1	1.48	1.89	1.00	NC	10/30/06
Nitrate Nitrogen	300.0	mg/L	610-123-1	0.051	0.503	0.500	90	10/12/06
Nitrate Nitrogen	300.0	mg/L	610-123-2	0.064	0.494	0.500	90	10/12/06
Nitrite Nitrogen	300.0	mg/L	610-123-1	0.102	0.339	0.250	95	10/12/06
Nitrite Nitrogen	300.0	mg/L	610-123-2	<0.010	0.261	0.250	105	10/12/06
TKN	351.2	mg/L	610-103-1	0.179	0.806	0.690	91	10/30/06
TKN	351.2	mg/L	610-1123-9	0.120	0.877	0.690	110	11/02/06
Total Phos.	365.3	mg/L	610-123-10	<0.010	0.517	0.500	102	10/17/06
Sulfate	300.0	mg/L	610-123-1	0.580	1.27	1.00	NC	10/30/06

NC = Not calculated due to matrix interference.

Metals QC
Optima 4300DV

Batch:	W061020-2A	Matrix:	water

Sample ID:	610-123-9	Analyst:	NR

Analyte	Method	Method Blank	Units	Sample Result	Spike Value	Spike Result	% Rec	Spike Dup	% RPD	Lab Fortified Blank			Date Analyzed
										True Value	Result	% Rec	
Fe	200.7	<0.010	mg/L	0.0277	1.00	0.9817	95	0.9751	1	1.00	0.9578	96	10/25/2006

Samples 610-123-(1-10) are associated with QC batch W061020-2A

Metals QC
Optima 4300DV

Batch:	W061020-2B	Matrix:	water

Sample ID:	610-175-1	Analyst:	NR

Analyte	Method	Method Blank	Units	Sample Result	Spike Value	Spike Result	% Rec	Spike Dup	% RPD	Lab Fortified Blank			Date Analyzed
										True Value	Result	% Rec	
Fe	200.7	<0.010	mg/L	<0.010	1.00	0.9432	94	0.9474	0	1.00	0.9578	96	10/25/2006

Sample 610-123-11 is associated with QC batch W061020-2B

WETLAB
WESTERN ENVIRONMENTAL TESTING LABORATORY
Specializing in Soil, Hazardous Waste and Water Analysis.
475 E. Greg Street #119 | Sparks, Nevada 89431
tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

Lab Number 610-123
Report Due Date: 10-25-16
Page ____ of ____

Client: Kleinfelder
Address: 4835 Longley Ln
City, State & Zip: Reno NV 89502
Contact: Melissa Sherman
Phone: 775 689-7800 | Collector's Name: Melissa S.
Fax: 775 689-7810 | Project Name: HMR
P.O. Number | Project Number: 74407.02
Email: MSherman@Kleinfelder.com

Turnaround Time
Standard ____ 5-Day ____ Other ____

Billing Address (if different than Client Address):
Company ____
Address ____
City, State & Zip ____
Contact ____
Phone ____
Fax ____
Email ____

Additional Information

Fax Results	Y	N	To: Client	Billing
Email Results	Y	N	To: Client	Billing
Compliance Monitoring	Y	N		
Fax Results to State EPA	Y	N		

Sample Type Codes

DW = Drinking Water	SD = Solid
WW = Wastewater	SO = Soil
SW = Surface Water	HW = Hazardous Waste
MW = Monitoring Well	OTHER: ____

Analyses Requested

SAMPLE ID/LOCATION	DATE	TIME	Sample Type	Containers	Oil + Grease	Turbidity	Total N	Total P	TDS	Sulfate	Chloride	Iron			Spl. No.
SW-2	10-11-06	1345	SW		✓	✓	✓	✓	✓	✓	✓	✓			1
SW-3	10-10	1030	|		|	|	|	|	|	|	|	|			2
SW-4	10-10	1115	|		|	|	|	|	|	|	|	|			3
SW-5	10-10	1145	|		|	|	|	|	|	|	|	|			4
SW-6	10-10	1240	|		|	|	|	|	|	|	|	|			5
SW-7	10-11	1200	|		|	|	|	|	|	|	|	|			6
SW-8	10-11	1130	|		|	|	|	|	|	|	|	|			7
SW-9	10-10	1215	|		|	|	|	|	|	|	|	|			8
SW-10	10-10	1245	|		|	|	|	|	|	|	|	|			9
SW-14	10-11	1340	|		|	|	|	|	|	|	|	|			10
SW-15	10-10	1330	|		|	|	|	|	|	|	|	|			11

Instructions/Comments/Special Requirements:

SAMPLE RECEIPT	DATE	TIME	Samples Relinquished By	Samples Received By
Temperature 4 °C	10/11/16	1725	[signature]	[signature]
Custody Seals Intact? Y N (None)				
Number of Containers 45				

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

301.2E

WETLAB
WESTERN ENVIRONMENTAL
TESTING LABORATORY

475 E. Greg Street #119 | Sparks, Nevada 89431 | tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

4/9/2007

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog

OrderID: *0703263*

Dear: Dave Herzog

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 3/29/2007. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

Andy Smith
Laboratory Manager

Specializing in Soil, Hazardous Waste and Water Analysis.

Western Environmental Testing Laboratory
Report Comments

Kleinfelder, Inc. - 703263

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Chloride on sample 0703263-002 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Data Qualifier Legend

B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank

HT -- Sample held beyond the accepted holding time

J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit

M -- Reported value is estimated; The sample matrix interfered with the analysis

N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.

NC -- Not calculated due to matrix interference

Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy

SA -- Reported value was caclulated using the method of Standard Additions.

SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory
Analytical Report

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog
Phone: (775) 689-7800 **Fax:** (775) 689-7810
PO\Project: *74407.02*

Date Printed: 4/9/2007
OrderID: *0703263*

Customer Sample ID: SW-2
WETLAB Sample ID: 0703263-001
Collect Date/Time: 3/29/2007 13:10
Receive Date: 3/29/2007 02:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.014	mg/L	0.010	3/30/2007
Chloride	EPA 300.0	2.1	mg/L	1.0	3/30/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	3/30/2007
Nitrate Nitrogen	EPA 300.0	0.047	mg/L	0.010	3/30/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/30/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.18	mg/L	0.050	4/3/2007
Total Nitrogen	Calc.	0.23	mg/L	0.070	4/3/2007
Total Dissolved Solids (TDS)	SM 2540C	68	mg/L	10	4/5/2007
Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU	0.10	3/29/2007
Oil & Grease (gravimetric)	EPA 1664	3.4	mg/L	1.5	4/3/2007
Iron	EPA 200.7	<0.010	mg/L	0.010	4/2/2007

Customer Sample ID: SW-14
WETLAB Sample ID: 0703263-002
Collect Date/Time: 3/29/2007 11:20
Receive Date: 3/29/2007 02:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.012	mg/L	0.010	3/30/2007
Chloride	EPA 300.0	<1.0 M	mg/L	1.0	3/30/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	3/30/2007
Nitrate Nitrogen	EPA 300.0	0.041	mg/L	0.010	3/30/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/30/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.095	mg/L	0.050	4/3/2007
Total Nitrogen	Calc.	0.14	mg/L	0.070	4/3/2007
Total Dissolved Solids (TDS)	SM 2540C	70	mg/L	10	4/2/2007
Turbidity (Nephelometric)	EPA 180.1	0.30	NTU	0.10	3/29/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	4/3/2007
Iron	EPA 200.7	<0.010	mg/L	0.010	4/2/2007

Customer Sample ID: SW-16 **Collect Date/Time:** 3/29/2007 12:20

WETLAB Sample ID: 0703263-003 **Receive Date:** 3/29/2007 02:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.047	mg/L	0.010	3/30/2007
Chloride	EPA 300.0	1.2	mg/L	1.0	3/30/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	3/30/2007
Nitrate Nitrogen	EPA 300.0	0.15	mg/L	0.010	3/30/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/30/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.12	mg/L	0.050	4/3/2007
Total Nitrogen	Calc.	0.27	mg/L	0.070	4/3/2007
Total Dissolved Solids (TDS)	SM 2540C	100	mg/L	10	4/2/2007
Turbidity (Nephelometric)	EPA 180.1	2.4	NTU	0.10	3/29/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	4/3/2007
Iron	EPA 200.7	0.18	mg/L	0.010	4/2/2007

Western Environmental Testing Laboratory
QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC0703317	Blank 1	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0703317	Blank 2	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0703317	Blank 3	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0703324	Blank 1	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0703324	Blank 2	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0703324	Blank 3	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0704011	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC0704011	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC0704011	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC0704013	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC0704013	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC0704013	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC0704015	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0704015	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0704030	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0704030	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0704044	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0704044	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0704063	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0704063	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0704096	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC0703317	LCS 1	Turbidity (Nephelometric)	EPA 180.1	5.09	5.00	102	NTU
QC0703324	LCS 1	Total Phosphorous as P	EPA 365.3	0.546	0.500	109	mg/L
QC0704011	LCS 1	Chloride	EPA 300.0	4.76	5.00	95	mg/L
QC0704013	LCS 1	Sulfate	EPA 300.0	9.08	10.0	91	mg/L
QC0704015	LCS 1	Nitrite Nitrogen	EPA 300.0	0.504	0.500	101	mg/L
QC0704030	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.654	0.690	95	mg/L
QC0704044	LCS 1	Nitrate Nitrogen	EPA 300.0	0.474	0.500	95	mg/L
QC0704063	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L
QC0704063	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	162	150	108	mg/L
QC0704096	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC0703317	Duplicate 1	Turbidity (Nephelometric)	EPA 180.1	0703249-001	<0.100	<0.100	NTU	7 %
QC0703317	Duplicate 2	Turbidity (Nephelometric)	EPA 180.1	0703252-001	1.16	1.14	NTU	2 %
QC0704063	Duplicate 1	Total Dissolved Solids (TDS)	SM 2540C	0703238-002	195	187	mg/L	4 %
QC0704063	Duplicate 2	Total Dissolved Solids (TDS)	SM 2540C	0703248-003	222	232	mg/L	4 %
QC0704063	Duplicate 3	Total Dissolved Solids (TDS)	SM 2540C	0703276-006	217	244	mg/L	12 %
QC0704096	Duplicate 1	Total Dissolved Solids (TDS)	SM 2540C	0703263-001	68.0	73.0	mg/L	7 %
QC0704096	Duplicate 2	Total Dissolved Solids (TDS)	SM 2540C	0704021-005	289	285	mg/L	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result		MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC0703324	MS 1	Total Phosphorous as P	EPA 365.3	0703263-002	0.012		0.480	0.498	0.500	mg/L	94	97	4 %
QC0703324	MS 2	Total Phosphorous as P	EPA 365.3	0703263-003	0.047		0.506	0.513	0.500	mg/L	92	93	1 %
QC0704011	MS 1	Chloride	EPA 300.0	0703154-003	1.22		2.13	2.18	1.00	mg/L	91	96	2 %
QC0704011	MS 2	Chloride	EPA 300.0	0703156-005	3.74	M	2.48	2.44	1.00	mg/L	NC	NC	NC
QC0704013	MS 1	Sulfate	EPA 300.0	0703154-003	21.7		25.0	23.2	4.00	mg/L	84	38`	8 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result		MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC0704013	MS 2	Sulfate	EPA 300.0	0703156-005	1.03		4.32	4.28	4.00	mg/L	82	81	1 %
QC0704015	MS 1	Nitrite Nitrogen	EPA 300.0	0703258-001	<0.010		0.584	0.598	0.500	mg/L	117	120	2 %
QC0704030	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	0703268-002	0.959	M	1.48	1.57	0.690	mg/L	NC	NC	NC
QC0704044	MS 1	Nitrate Nitrogen	EPA 300.0	0703269-001	0.185		0.704	0.717	0.500	mg/L	104	106	2 %

QUALITY CONTROL REPORT

Sample ID: 703263
Reported:

PARAMETER	METHOD	UNITS	METHOD BLANK RESULTS	LABORATORY FORTIFIED BLANK			DUPLICATE		
				RESULT	ACTUAL	% RECOVERY	SAMPLE RESULT	DUPLICATE RESULT	% RPD
Oil & Grease	1664	mg/L	<1.5	17.6	20.0	88	NA	NA	NA

PARAMETER	METHOD	UNITS	MATRIX SPIKE RESULTS					DATE ANALYZED
			SPIKED SAMPLE	SAMPLE RESULT	SPIKE RESULT	SPIKE VALUE	% RECOVERY	
Oil & Grease	1664	mg/L	703263-002	<1.5	16.0	20.0	80	04/03/07

Metals QC
Optima 4300DV

Batch:	W070402-1B	Matrix:	water

Sample ID:	703-274-1	Analyst:	NR

Analyte	Method	Method Blank	Units	Sample Result	Spike Value	Spike Result	% Rec	Spike Dup	% RPD	Lab Fortified Blank			Date Analyzed
										True Value	Result	% Rec	
Fe	200.7	<0.010	mg/L	0.1389	1.00	1.1027	96	1.1066	0	1.00	1.0066	101	4/2/2007

Samples 703-263-(1-3) are associated with QC batch W070402-1B

WETLAB
WESTERN ENVIRONMENTAL TESTING LABORATORY
Specializing in Soil, Hazardous Waste and Water Analysis.
475 E. Greg Street #119 | Sparks, Nevada 89431
tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

Lab Number 703-263
Report Due Date: 4/12/07
Page 1 of 1

Client Kleinfelder
Address
City, State & Zip
Contact D. Herzog
Phone
Collector's Name
Fax
Project Name
P.O. Number
Project Number 74407.02
Email

Turnaround Time
Standard ____ 5-Day ____ Other ____

Billing Address (if different than Client Address):
Company
Address
City, State & Zip
Contact
Phone
Fax
Email

Additional Information

Fax Results	Y	N	To: Client	Billing
Email Results	(Y)	N	To: (Client)	Billing
Compliance Monitoring	Y	(N)		
Fax Results to State EPA	Y	(N)		

Sample Type Codes

DW = Drinking Water	SD = Solid
WW = Wastewater	SO = Soil
SW = Surface Water	HW = Hazardous Waste
MW = Monitoring Well	OTHER:

Analyses Requested

SAMPLE ID/LOCATION	DATE	TIME	SAMPLE TYPE	NO. OF CONTAINERS	Chloride	Total N	Oil + grease	Total P	Sulfate	TDS	turbidity	Total Iron				Spl. No.
SW-2	3-29-07	1310	SW	4												
SW-14		1120														
SW-16		1220														

Instructions/Comments/Special Requirements:

SAMPLE RECEIPT	DATE	TIME	Samples Relinquished By	Samples Received By
Temperature 4 °C	3/29	2:30	[illegible]	[illegible]
Custody Seals Intact? Y N (None)				
Number of Containers 12				

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compesation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

301.2E

WETLAB
WESTERN ENVIRONMENTAL
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6/6/2007

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog

OrderID: *0705201*

Dear: Dave Herzog

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 5/17/2007. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

Andy Smith
Laboratory Manager

Specializing in Soil, Hazardous Waste and Water Analysis.

Western Environmental Testing Laboratory
Report Comments

Kleinfelder, Inc. - 705201

General Comments

None

Specific Comments

None

Data Qualifier Legend

B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank

HT -- Sample held beyond the accepted holding time

J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit

M -- Reported value is estimated; The sample matrix interfered with the analysis

N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.

NC -- Not calculated due to matrix interference

Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy

SA -- Reported value was caclulated using the method of Standard Additions.

SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory
Analytical Report

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog
Phone: (775) 689-7800 **Fax:** (775) 689-7810
PO\Project: *82188.01*

Date Printed: 6/6/2007
OrderID: *0705201*

Customer Sample ID: SW-2 / M-2
WETLAB Sample ID: 0705201-001
Collect Date/Time: 5/17/2007 15:10
Receive Date: 5/17/2007 16:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrate Nitrogen	EPA 300.0	0.022	mg/L	0.010	5/18/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/18/2007
Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L	0.050	6/1/2007
Total Nitrogen	Calc.	<0.070	mg/L	0.070	6/1/2007
Total Dissolved Solids (TDS)	SM 2540C	69	mg/L	10	5/23/2007
Turbidity (Nephelometric)	EPA 180.1	0.51	NTU	0.10	5/18/2007
Total Suspended Solids (TSS)	EPA 160.2	1	mg/L	1	5/22/2007

Customer Sample ID: SW-14 / E-2
WETLAB Sample ID: 0705201-004
Collect Date/Time: 5/17/2007 14:30
Receive Date: 5/17/2007 16:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010	mg/L	0.010	5/23/2007
Nitrate Nitrogen	EPA 300.0	0.021	mg/L	0.010	5/18/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/18/2007
Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L	0.050	6/5/2007
Total Nitrogen	Calc.	<0.070	mg/L	0.070	6/5/2007
Turbidity (Nephelometric)	EPA 180.1	0.88	NTU	0.10	5/18/2007
Total Suspended Solids (TSS)	EPA 160.2	4	mg/L	1	5/22/2007

Customer Sample ID: SW-16 /P-2
WETLAB Sample ID: 0705201-005
Collect Date/Time: 5/17/2007 14:50
Receive Date: 5/17/2007 16:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.023	mg/L	0.010	5/29/2007
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/18/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/18/2007
Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L	0.050	6/5/2007

Customer Sample ID: SW-16 /P-2 **Collect Date/Time:** 5/17/2007 14:50

WETLAB Sample ID: 0705201-005 **Receive Date:** 5/17/2007 16:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Nitrogen	Calc.	<0.070	mg/L	0.070	6/5/2007
Turbidity (Nephelometric)	EPA 180.1	3.3	NTU	0.10	5/18/2007
Total Suspended Solids (TSS)	EPA 160.2	23	mg/L	1	5/22/2007

Western Environmental Testing Laboratory
QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC0705218	Blank 1	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0705218	Blank 2	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0705246	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0705246	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0705247	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0705247	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0705247	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0705283	Blank 1	Total Suspended Solids (TSS)	EPA 160.2	<1	mg/L
QC0705306	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0705306	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0705324	Blank 1	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0705324	Blank 2	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0705324	Blank 3	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0706020	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706020	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706020	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706035	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706035	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706035	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706035	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC0705218	LCS 1	Turbidity (Nephelometric)	EPA 180.1	5.08	5.00	102	NTU
QC0705246	LCS 1	Nitrite Nitrogen	EPA 300.0	0.505	0.500	101	mg/L
QC0705247	LCS 1	Nitrate Nitrogen	EPA 300.0	0.457	0.500	91	mg/L
QC0705283	LCS 1	Total Suspended Solids	EPA 160.2	196	200	98	mg/L
QC0705306	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L
QC0705306	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L
QC0705324	LCS 1	Total Phosphorous as P	EPA 365.3	0.503	0.500	101	mg/L
QC0706020	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.676	0.690	98	mg/L
QC0706035	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.658	0.690	95	mg/L
QC0706035	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.631	0.690	91	mg/L
QC0706044	LCS 1	Total Phosphorous as P	EPA 365.3	0.522	0.500	104	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC0705218	Duplicate 1	Turbidity (Nephelometric)	EPA 180.1	0705195-001	1.65	1.77	NTU	7 %
QC0705218	Duplicate 2	Turbidity (Nephelometric)	EPA 180.1	0705201-003	0.690	0.690	NTU	<1%
QC0705283	Duplicate 1	Total Suspended Solids (TSS)	EPA 160.2	0705201-004	4.00	3.60	mg/L	11 %
QC0705306	Duplicate 1	Total Dissolved Solids (TDS)	SM 2540C	0705213-003	234	247	mg/L	5 %
QC0705306	Duplicate 2	Total Dissolved Solids (TDS)	SM 2540C	0705218-009	140	148	mg/L	6 %
QC0705306	Duplicate 3	Total Dissolved Solids (TDS)	SM 2540C	0705218-019	166	192	mg/L	15 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC0705246	MS 1	Nitrite Nitrogen	EPA 300.0	0705201-001	<0.010	0.265	0.284	0.250	mg/L	106	114	7 %
QC0705247	MS 1	Nitrate Nitrogen	EPA 300.0	0705201-001	0.022	0.507	0.510	0.500	mg/L	97	98	1 %
QC0705324	MS 1	Total Phosphorous as P	EPA 365.3	0705233-001	0.075	0.610	0.535	0.500	mg/L	107	92	13 %
QC0705324	MS 2	Total Phosphorous as P	EPA 365.3	0705234-010	0.022	0.484	0.486	0.500	mg/L	92	93	<1%
QC0706020	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	0705195-003	0.073	0.698	0.664	0.690	mg/L	91	86	5 %
QC0706035	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	0705201-004	<0.050	0.687	0.664	0.690	mg/L	94	90	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
C0706044	MS 1	Dissolved Phosphorous as P	EPA 365.3	0705191-001	0.352	0.934	0.946	0.500	mg/L	116	119	1 %

WETLAB
WESTERN ENVIRONMENTAL
TESTING LABORATORY

475 E. Greg Street #119 | Sparks, Nevada 89431 | tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

6/6/2007

OrderID: *0705201*

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog

Dear: Dave Herzog

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 5/17/2007. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

Andy Smith
Laboratory Manager

Specializing in Soil, Hazardous Waste and Water Analysis.

Western Environmental Testing Laboratory
Report Comments

Kleinfelder, Inc. - 705201

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Chloride on sample 0705201-005 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Data Qualifier Legend

B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank

HT -- Sample held beyond the accepted holding time

J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit

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N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.

NC -- Not calculated due to matrix interference

Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy

SA -- Reported value was caclulated using the method of Standard Additions.

SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory
Analytical Report

Date Printed: 6/6/2007
OrderID: *0705201*

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog
Phone: (775) 689-7800 **Fax:** (775) 689-7810
PO\Project: *82188.01*

Customer Sample ID: SW-2 / M-2
WETLAB Sample ID: 0705201-001
Collect Date/Time: 5/17/2007 15:10
Receive Date: 5/17/2007 16:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010	mg/L	0.010	5/23/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Nitrate Nitrogen	EPA 300.0	0.022	mg/L	0.010	5/18/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/18/2007
Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L	0.050	6/1/2007
Total Nitrogen	Calc.	<0.070	mg/L	0.070	6/1/2007
Total Dissolved Solids (TDS)	SM 2540C	69	mg/L	10	5/23/2007
Turbidity (Nephelometric)	EPA 180.1	0.51	NTU	0.10	5/18/2007
Total Suspended Solids (TSS)	EPA 160.2	1	mg/L	1	5/22/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	5/21/2007
Iron	EPA 200.7	0.034	mg/L	0.010	5/22/2007

Customer Sample ID: SW-7
WETLAB Sample ID: 0705201-002
Collect Date/Time: 5/17/2007 13:40
Receive Date: 5/17/2007 16:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010	mg/L	0.010	5/23/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Nitrate Nitrogen	EPA 300.0	0.027	mg/L	0.010	5/18/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/18/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.11	mg/L	0.050	6/1/2007
Total Nitrogen	Calc.	0.14	mg/L	0.070	6/1/2007
Total Dissolved Solids (TDS)	SM 2540C	91	mg/L	10	5/23/2007
Turbidity (Nephelometric)	EPA 180.1	0.45	NTU	0.10	5/18/2007
Oil & Grease (gravimetric)	EPA 1664	1.8	mg/L	1.5	5/21/2007
Iron	EPA 200.7	0.034	mg/L	0.010	5/22/2007

Customer Sample ID: SW-8
WETLAB Sample ID: 0705201-003

Collect Date/Time: 5/17/2007 14:05
Receive Date: 5/17/2007 16:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010	mg/L	0.010	5/23/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Nitrate Nitrogen	EPA 300.0	0.029	mg/L	0.010	5/18/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/18/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.074	mg/L	0.050	6/1/2007
Total Nitrogen	Calc.	0.10	mg/L	0.070	6/1/2007
Total Dissolved Solids (TDS)	SM 2540C	99	mg/L	10	5/23/2007
Turbidity (Nephelometric)	EPA 180.1	0.69	NTU	0.10	5/18/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	5/21/2007
Iron	EPA 200.7	0.033	mg/L	0.010	5/22/2007

Customer Sample ID: SW-14 / E-2
WETLAB Sample ID: 0705201-004

Collect Date/Time: 5/17/2007 14:30
Receive Date: 5/17/2007 16:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010	mg/L	0.010	5/23/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Nitrate Nitrogen	EPA 300.0	0.021	mg/L	0.010	5/18/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/18/2007
Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L	0.050	6/5/2007
Total Nitrogen	Calc.	<0.070	mg/L	0.070	6/5/2007
Total Dissolved Solids (TDS)	SM 2540C	72	mg/L	10	5/23/2007
Turbidity (Nephelometric)	EPA 180.1	0.88	NTU	0.10	5/18/2007
Total Suspended Solids (TSS)	EPA 160.2	4	mg/L	1	5/22/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	5/21/2007
Iron	EPA 200.7	0.043	mg/L	0.010	5/22/2007

Customer Sample ID: SW-16 /P-2
WETLAB Sample ID: 0705201-005

Collect Date/Time: 5/17/2007 14:50
Receive Date: 5/17/2007 16:40

Parameter	Method	Results		Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.023		mg/L	0.010	5/29/2007
Chloride	EPA 300.0	1.4	M	mg/L	1.0	5/18/2007
Sulfate	EPA 300.0	<1.0		mg/L	1.0	5/18/2007
Nitrate Nitrogen	EPA 300.0	<0.010		mg/L	0.010	5/18/2007
Nitrite Nitrogen	EPA 300.0	<0.010		mg/L	0.010	5/18/2007
Total Kjeldahl Nitrogen	EPA 351.2	<0.050		mg/L	0.050	6/5/2007

Customer Sample ID: SW-16 /P-2 **Collect Date/Time:** 5/17/2007 14:50

WETLAB Sample ID: 0705201-005 **Receive Date:** 5/17/2007 16:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Nitrogen	Calc.	<0.070	mg/L	0.070	6/5/2007
Total Dissolved Solids (TDS)	SM 2540C	130	mg/L	10	5/23/2007
Turbidity (Nephelometric)	EPA 180.1	3.3	NTU	0.10	5/18/2007
Total Suspended Solids (TSS)	EPA 160.2	23	mg/L	1	5/22/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	5/21/2007
Iron	EPA 200.7	1.1	mg/L	0.010	5/22/2007

Western Environmental Testing Laboratory
QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC0705218	Blank 1	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0705218	Blank 2	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0705239	Blank 1	Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L
QC0705246	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0705246	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0705247	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0705247	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0705247	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0705249	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC0705249	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC0705249	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC0705250	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC0705250	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC0705283	Blank 1	Total Suspended Solids (TSS)	EPA 160.2	<1	mg/L
QC0705306	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0705306	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0705324	Blank 1	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0705324	Blank 2	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0705324	Blank 3	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0706020	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706020	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706020	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706035	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706035	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706035	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706035	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC0705218	LCS 1	Turbidity (Nephelometric)	EPA 180.1	5.08	5.00	102	NTU
QC0705239	LCS 1	Oil & Grease (gravimetric)	EPA 1664	18.0	20.0	90	mg/L
QC0705246	LCS 1	Nitrite Nitrogen	EPA 300.0	0.505	0.500	101	mg/L
QC0705247	LCS 1	Nitrate Nitrogen	EPA 300.0	0.457	0.500	91	mg/L
QC0705249	LCS 1	Chloride	EPA 300.0	4.84	5.00	97	mg/L
QC0705250	LCS 1	Sulfate	EPA 300.0	9.69	10.0	97	mg/L
QC0705283	LCS 1	Total Suspended Solids	EPA 160.2	196	200	98	mg/L
QC0705306	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L
QC0705306	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L
QC0705324	LCS 1	Total Phosphorous as P	EPA 365.3	0.503	0.500	101	mg/L
QC0706020	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.676	0.690	98	mg/L
QC0706035	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.658	0.690	95	mg/L
QC0706035	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.631	0.690	91	mg/L
QC0706044	LCS 1	Total Phosphorous as P	EPA 365.3	0.522	0.500	104	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC0705218	Duplicate 1	Turbidity (Nephelometric)	EPA 180.1	0705195-001	1.65	1.77	NTU	7 %
QC0705218	Duplicate 2	Turbidity (Nephelometric)	EPA 180.1	0705201-003	0.690	0.690	NTU	<1%
QC0705283	Duplicate 1	Total Suspended Solids (TSS)	EPA 160.2	0705201-004	4.00	3.60	mg/L	11 %
QC0705306	Duplicate 1	Total Dissolved Solids (TDS)	SM 2540C	0705213-003	234	247	mg/L	5 %
QC0705306	Duplicate 2	Total Dissolved Solids (TDS)	SM 2540C	0705218-009	140	148	mg/L	6 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC0705306	Duplicate 3	Total Dissolved Solids (TDS)	SM 2540C	0705218-019	166	192	mg/L	15 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result		MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC0705246	MS 1	Nitrite Nitrogen	EPA 300.0	0705201-001	<0.010		0.265	0.284	0.250	mg/L	106	114	7 %
QC0705247	MS 1	Nitrate Nitrogen	EPA 300.0	0705201-001	0.022		0.507	0.510	0.500	mg/L	97	98	1 %
QC0705249	MS 1	Chloride	EPA 300.0	0705201-005	1.36	M	1.98	2.04	1.00	mg/L	NC	NC	NC
QC0705249	MS 2	Chloride	EPA 300.0	0704282-001	6.32		7.39	7.69	1.00	mg/L	107	137	4 %
QC0705250	MS 1	Sulfate	EPA 300.0	0705201-005	<1.000		3.92	3.94	4.00	mg/L	98	99	1 %
QC0705324	MS 1	Total Phosphorous as P	EPA 365.3	0705233-001	0.075		0.610	0.535	0.500	mg/L	107	92	13 %
QC0705324	MS 2	Total Phosphorous as P	EPA 365.3	0705234-010	0.022		0.484	0.486	0.500	mg/L	92	93	<1%
QC0706020	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	0705195-003	0.073		0.698	0.664	0.690	mg/L	91	86	5 %
QC0706035	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	0705201-004	<0.050		0.687	0.664	0.690	mg/L	94	90	3 %
QC0706044	MS 1	Dissolved Phosphorous as P	EPA 365.3	0705191-001	0.352		0.934	0.946	0.500	mg/L	116	119	1 %

Metals QC
Optima 4300DV

Batch:	W070522-1A	Matrix:	water

Sample ID:	705-201-1	Analyst:	DH

Analyte	Method	Method Blank	Units	Sample Result	Spike Value	Spike Result	% Rec	Spike Dup	% RPD	Lab Fortified Blank			Date Analyzed
										True Value	Result	% Rec	
Fe	200.7	<0.010	mg/L	0.0336	1.00	1.0479	101	1.0402	1	1.00	0.9959	100	5/22/2007

Samples 705-201(1-5) are associated with QC batch W070522-1A

WETLAB
WESTERN ENVIRONMENTAL TESTING LABORATORY
Specializing in Soil, Hazardous Waste and Water Analysis.
475 E. Greg Street #119 | Sparks, Nevada 89431
tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

Lab Number 705-201
Report Due Date: 5/31/07
Page ____ of ____

Client: Kleinfelder
Address:
City, State & Zip:
Contact: Dave Herzog
Phone:
Fax:
P.O. Number:
Email:
Collector's Name: P. Tousignant
Project Name: 0
Project Number: 82188.01

Turnaround Time
Standard | 5-Day | Other

Billing Address (if different than Client Address):
Company:
Address:
City, State & Zip:
Contact:
Phone:
Fax:
Email:

Additional Information

Fax Results	Y	N	To: Client	Billing
Email Results	Y	N	To: Client	Billing
Compliance Monitoring	Y	N		
Fax Results to State EPA	Y	N		

Sample Type Codes
DW = Drinking Water
WW = Wastewater
SW = Surface Water
MW = Monitoring Well
SD = Solid
SO = Soil
HW = Hazardous Waste
OTHER: ____

Analyses Requested

SAMPLE ID/LOCATION	DATE	TIME	SAMPLE TYPE	NO. OF CONTAINERS	Iron	Chloride	Sulfate	Total N	TDS	Total P	Turbidity	Oil + Grease	TSS		Spl. No.
SW-2/M-2	5-17	1510	SW	4	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
SW-7		1340													2
SW-8		1405													3
SW-14/E-2		1430											✓		4
SW-16/P-2		1450											✓		5

Instructions/Comments/Special Requirements: For SW-2/M-2, SW-14/E-2, SW-16/P-2: Issue in report w/ Iron through Oil + Grease. Also issue seperate report w/ only Total N, total P, TSS, and turbidity

SAMPLE RECEIPT	DATE	TIME	Samples Relinquished By	Samples Received By
Temperature 13 °C	5/17	4:40	[illegible]	[illegible]
Custody Seals Intact? Y N (None)				
Number of Containers 20				

WETLAB's Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compesation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

301.2E

WETLAB
WESTERN ENVIRONMENTAL
TESTING LABORATORY

475 E. Greg Street #119 | Sparks, Nevada 89431 | tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

6/6/2007

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog

OrderID: *0705195*

Dear: Dave Herzog

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 5/17/2007. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

Andy Smith
Laboratory Manager

Specializing in Soil, Hazardous Waste and Water Analysis.

Western Environmental Testing Laboratory
Report Comments

Kleinfelder, Inc. - 705195

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Chloride on sample 0705195-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Data Qualifier Legend

B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank

HT -- Sample held beyond the accepted holding time

J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit

M -- Reported value is estimated; The sample matrix interfered with the analysis

N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.

NC -- Not calculated due to matrix interference

Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy

SA -- Reported value was caclulated using the method of Standard Additions.

SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory
Analytical Report

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog
Phone: (775) 689-7800 **Fax:** (775) 689-7810
PO\Project: *82188.01*

Date Printed: 6/6/2007
OrderID: *0705195*

Customer Sample ID: SW-3
WETLAB Sample ID: 0705195-001
Collect Date/Time: 5/16/2007 12:45
Receive Date: 5/17/2007 10:45

Parameter	Method	Results		Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010		mg/L	0.010	5/21/2007
Chloride	EPA 300.0	<1.0	M	mg/L	1.0	5/17/2007
Sulfate	EPA 300.0	<1.0		mg/L	1.0	5/17/2007
Nitrate Nitrogen	EPA 300.0	<0.010		mg/L	0.010	5/17/2007
Nitrite Nitrogen	EPA 300.0	<0.010		mg/L	0.010	5/17/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.065		mg/L	0.050	6/1/2007
Total Nitrogen	Calc.	<0.070		mg/L	0.070	6/1/2007
Total Dissolved Solids (TDS)	SM 2540C	49		mg/L	10	5/18/2007
Turbidity (Nephelometric)	EPA 180.1	1.6		NTU	0.10	5/21/2007
Iron	EPA 200.7	0.19		mg/L	0.010	5/21/2007

Customer Sample ID: SW-4
WETLAB Sample ID: 0705195-002
Collect Date/Time: 5/16/2007 13:10
Receive Date: 5/17/2007 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.058	mg/L	0.010	5/21/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	5/17/2007
Sulfate	EPA 300.0	11	mg/L	1.0	5/17/2007
Nitrate Nitrogen	EPA 300.0	0.13	mg/L	0.010	5/17/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/17/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.14	mg/L	0.050	6/1/2007
Total Nitrogen	Calc.	0.27	mg/L	0.070	6/1/2007
Total Dissolved Solids (TDS)	SM 2540C	61	mg/L	10	5/18/2007
Turbidity (Nephelometric)	EPA 180.1	0.15	NTU	0.10	5/18/2007
Iron	EPA 200.7	<0.010	mg/L	0.010	5/21/2007

Customer Sample ID: SW-5 **Collect Date/Time:** 5/16/2007 13:35
WETLAB Sample ID: 0705195-003 **Receive Date:** 5/17/2007 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010	mg/L	0.010	5/21/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	5/17/2007
Sulfate	EPA 300.0	1.5	mg/L	1.0	5/17/2007
Nitrate Nitrogen	EPA 300.0	0.065	mg/L	0.010	5/17/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/17/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.073	mg/L	0.050	6/1/2007
Total Nitrogen	Calc.	0.14	mg/L	0.070	6/1/2007
Total Dissolved Solids (TDS)	SM 2540C	29	mg/L	10	5/18/2007
Turbidity (Nephelometric)	EPA 180.1	0.64	NTU	0.10	5/18/2007
Iron	EPA 200.7	0.011	mg/L	0.010	5/21/2007

Customer Sample ID: SW-6 **Collect Date/Time:** 5/16/2007 12:15
WETLAB Sample ID: 0705195-004 **Receive Date:** 5/17/2007 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010	mg/L	0.010	5/23/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	5/17/2007
Sulfate	EPA 300.0	1.8	mg/L	1.0	5/17/2007
Nitrate Nitrogen	EPA 300.0	0.042	mg/L	0.010	5/17/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/17/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.072	mg/L	0.050	6/1/2007
Total Nitrogen	Calc.	0.11	mg/L	0.070	6/1/2007
Total Dissolved Solids (TDS)	SM 2540C	47	mg/L	10	5/18/2007
Turbidity (Nephelometric)	EPA 180.1	0.66	NTU	0.10	5/18/2007
Iron	EPA 200.7	0.16	mg/L	0.010	5/21/2007

Customer Sample ID: SW-9 / M-1 **Collect Date/Time:** 5/16/2007 15:00
WETLAB Sample ID: 0705195-005 **Receive Date:** 5/17/2007 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010	mg/L	0.010	5/23/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	5/17/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	5/17/2007
Nitrate Nitrogen	EPA 300.0	0.025	mg/L	0.010	5/17/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/17/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.081	mg/L	0.050	6/1/2007
Total Nitrogen	Calc.	0.11	mg/L	0.070	6/1/2007
Total Dissolved Solids (TDS)	SM 2540C	42	mg/L	10	5/18/2007
Turbidity (Nephelometric)	EPA 180.1	0.71	NTU	0.10	5/18/2007

Customer Sample ID: SW-9 / M-1
WETLAB Sample ID: 0705195-005

Collect Date/Time: 5/16/2007 15:00
Receive Date: 5/17/2007 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Suspended Solids (TSS)	EPA 160.2	<1	mg/L	1	5/22/2007
Iron	EPA 200.7	0.042	mg/L	0.010	5/21/2007

Customer Sample ID: SW-10 / E-1
WETLAB Sample ID: 0705195-006

Collect Date/Time: 5/16/2007 15:45
Receive Date: 5/17/2007 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010	mg/L	0.010	5/23/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Nitrate Nitrogen	EPA 300.0	0.037	mg/L	0.010	5/17/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/17/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.12	mg/L	0.050	6/1/2007
Total Nitrogen	Calc.	0.16	mg/L	0.070	6/1/2007
Total Dissolved Solids (TDS)	SM 2540C	33	mg/L	10	5/18/2007
Turbidity (Nephelometric)	EPA 180.1	0.77	NTU	0.10	5/18/2007
Total Suspended Solids (TSS)	EPA 160.2	3	mg/L	1	5/22/2007
Iron	EPA 200.7	0.094	mg/L	0.010	5/21/2007

Customer Sample ID: SW-15
WETLAB Sample ID: 0705195-007

Collect Date/Time: 5/16/2007 14:10
Receive Date: 5/17/2007 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010	mg/L	0.010	5/23/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	5/18/2007
Nitrate Nitrogen	EPA 300.0	0.034	mg/L	0.010	5/17/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	5/17/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.057	mg/L	0.050	6/1/2007
Total Nitrogen	Calc.	0.091	mg/L	0.070	6/1/2007
Total Dissolved Solids (TDS)	SM 2540C	44	mg/L	10	5/18/2007
Turbidity (Nephelometric)	EPA 180.1	0.43	NTU	0.10	5/18/2007
Iron	EPA 200.7	0.026	mg/L	0.010	5/21/2007

Western Environmental Testing Laboratory
QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC0705218	Blank 1	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0705218	Blank 2	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0705225	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0705225	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0705226	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0705226	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0705237	Blank 1	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0705237	Blank 2	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0705237	Blank 3	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0705242	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC0705242	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC0705242	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC0705245	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC0705245	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC0705245	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC0705261	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0705261	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0705261	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0705261	Blank 4	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0705283	Blank 1	Total Suspended Solids (TSS)	EPA 160.2	<1	mg/L
QC0706020	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706020	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0706020	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC0705218	LCS 1	Turbidity (Nephelometric)	EPA 180.1	5.08	5.00	102	NTU
QC0705225	LCS 1	Nitrite Nitrogen	EPA 300.0	0.500	0.500	100	mg/L
QC0705226	LCS 1	Nitrate Nitrogen	EPA 300.0	0.451	0.500	90	mg/L
QC0705237	LCS 1	Total Phosphorous as P	EPA 365.3	0.472	0.500	94	mg/L
QC0705242	LCS 1	Chloride	EPA 300.0	4.84	5.00	97	mg/L
QC0705245	LCS 1	Sulfate	EPA 300.0	9.69	10.0	97	mg/L
QC0705261	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L
QC0705261	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	161	150	108	mg/L
QC0705261	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	156	150	104	mg/L
QC0705261	LCS 4	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L
QC0705283	LCS 1	Total Suspended Solids	EPA 160.2	196	200	98	mg/L
QC0706020	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.676	0.690	98	mg/L
QC0706044	LCS 1	Total Phosphorous as P	EPA 365.3	0.522	0.500	104	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC0705218	Duplicate 1	Turbidity (Nephelometric)	EPA 180.1	0705195-001	1.65	1.77	NTU	7 %
QC0705218	Duplicate 2	Turbidity (Nephelometric)	EPA 180.1	0705201-003	0.690	0.690	NTU	<1%
QC0705261	Duplicate 1	Total Dissolved Solids (TDS)	SM 2540C	0705173-010	43.0	44.0	mg/L	2 %
QC0705261	Duplicate 2	Total Dissolved Solids (TDS)	SM 2540C	0705184-004	918	928	mg/L	1 %
QC0705261	Duplicate 3	Total Dissolved Solids (TDS)	SM 2540C	0705186-002	211	229	mg/L	8 %
QC0705261	Duplicate 4	Total Dissolved Solids (TDS)	SM 2540C	0705186-012	637	627	mg/L	2 %
QC0705261	Duplicate 5	Total Dissolved Solids (TDS)	SM 2540C	0705187-009	47.0	52.0	mg/L	10 %
QC0705261	Duplicate 6	Total Dissolved Solids (TDS)	SM 2540C	0705195-002	61.0	59.0	mg/L	3 %
QC0705261	Duplicate 7	Total Dissolved Solids (TDS)	SM 2540C	0705200-001	2324	2334	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC0705283	Duplicate 1	Total Suspended Solids (TSS)	EPA 160.2	0705201-004	4.00	3.60	mg/L	11 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result		MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC0705225	MS 1	Nitrite Nitrogen	EPA 300.0	0705195-001	<0.010		0.286	0.288	0.250	mg/L	114	116	1 %
QC0705226	MS 1	Nitrate Nitrogen	EPA 300.0	0705195-001	<0.010		0.523	0.517	0.500	mg/L	105	103	1 %
QC0705237	MS 1	Total Phosphorous as P	EPA 365.3	0705173-010	<0.010		0.460	0.460	0.500	mg/L	91	91	<1%
QC0705237	MS 2	Total Phosphorous as P	EPA 365.3	0705194-005	<0.010		0.467	0.459	0.500	mg/L	93	91	2 %
QC0705242	MS 1	Chloride	EPA 300.0	0705196-001	9.34		10.2	10.2	1.00	mg/L	89	84	<1%
QC0705242	MS 2	Chloride	EPA 300.0	0705195-001	<1.000	M	1.28	1.19	1.00	mg/L	NC	NC	NC
QC0705245	MS 1	Sulfate	EPA 300.0	0705196-001	13.0		17.1	17.1	4.00	mg/L	103	102	<1%
QC0705245	MS 2	Sulfate	EPA 300.0	0705195-001	<1.000		5.44	5.41	4.00	mg/L	120	119	1 %
QC0706020	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	0705195-003	0.073		0.698	0.664	0.690	mg/L	91	86	5 %
QC0706044	MS 1	Dissolved Phosphorous as P	EPA 365.3	0705191-001	0.352		0.934	0.946	0.500	mg/L	116	119	1 %

Metals QC
Optima 4300DV

Batch:	W070518-1B	Matrix:	water

Sample ID:	705-194-9	Analyst:	DH

Analyte	Method	Method Blank	Units	Sample Result	Spike Value	Spike Result	% Rec	Spike Dup	% RPD	Lab Fortified Blank			Date Analyzed
										True Value	Result	% Rec	
Fe	200.7	<0.010	mg/L	0.0449	1.00	1.0372	99	1.0398	0	1.00	1.0381	104	5/21/2007

Samples 705-195(1-7) are associated with QC batch W070518-1B

WETLAB
WESTERN ENVIRONMENTAL TESTING LABORATORY
Specializing in Soil, Hazardous Waste and Water Analysis.
475 E. Greg Street #119 | Sparks, Nevada 89431
tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

Lab Number 705 - 195
Report Due Date: 5/31/07
Page 1 of 1

Client: Kleinfelder
Address:
City, State & Zip:
Contact: Dave Herzog
Phone:
Collector's Name: P. Tousignant
Fax:
Project Name:
P.O. Number:
Project Number: 82188.01
Email:

Turnaround Time
Standard | 5 Day | Other

Billing Address (if different than Client Address):
Company
Address
City, State & Zip
Contact
Phone
Fax
Email

Additional Information

Fax Results	Y	N	To: Client	Billing
Email Results	Y	N	To: Client	Billing
Compliance Monitoring	Y	N		
Fax Results to State EPA	Y	N		

Sample Type Codes

DW = Drinking Water
WW = Wastewater
SW = Surface Water
MW = Monitoring Well
SD = Solid
SO = Soil
HW = Hazardous Waste
OTHER:

Analyses Requested

SAMPLE ID/LOCATION	DATE	TIME	SAMPLE TYPE	NO. OF CONTAINERS	Iron	Chloride	Sulfate	Total N	TDS	Total P	Turbidity	~~Total Coliform~~	TSS		Spl. No.
SW-3	5-16	1245	SW	3	✓	✓	✓	✓	✓	✓	✓	✓			1
SW-4		1310													2
SW-5		1335													3
SW-6		1215													4
SW-9 / M-1		1500											✓		5
SW-10 / E-1		1545											✓		6
SW-15		1410													7

Instructions/Comments/Special Requirements: For SW-9/M-1 and SW-10/E-1: Issue in report Iron through turbidity. Also issue a seperate report reporting only Total N, Total P and TSS + turbidity

SAMPLE RECEIPT	DATE	TIME	Samples Relinquished By	Samples Received By
Temperature 7 °C	5/17/07	10:15	[illegible]	[illegible]
Custody Seals Intact? Y N None				
Number of Containers 21				

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compesation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

301.2E

WETLAB
WESTERN ENVIRONMENTAL
TESTING LABORATORY

475 E. Greg Street #119 | Sparks, Nevada 89431 | tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

10/23/2007

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog

OrderID: *0709237*

Dear: Dave Herzog

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 9/27/2007. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

Andy Smith
Laboratory Manager

Specializing in Soil, Hazardous Waste and Water Analysis.

Western Environmental Testing Laboratory
Report Comments

Kleinfelder, Inc. - 709237

General Comments

None

Specific Comments

Due to sample matrix it was necessary to analyze for Iron at a dilution on sample 0709237-003. The reporting limits have been adjusted accordingly.

Data Qualifier Legend

B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank

HT -- Sample held beyond the accepted holding time

J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit

M -- Reported value is estimated; The sample matrix interfered with the analysis

N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.

NC -- Not calculated due to matrix interference

Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy

SA -- Reported value was caclulated using the method of Standard Additions.

SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory
Analytical Report

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog
Phone: (775) 689-7800 **Fax:** (775) 689-7810
PO\Project: *Homewood*

Date Printed: 10/23/2007
OrderID: *0709237*

Customer Sample ID: SW-5
WETLAB Sample ID: 0709237-001
Collect Date/Time: 9/26/2007 11:10
Receive Date: 9/27/2007 14:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.077	mg/L	0.010	10/2/2007
Chloride	EPA 300.0	2.1	mg/L	1.0	9/27/2007
Sulfate	EPA 300.0	1.2	mg/L	1.0	9/27/2007
Nitrate Nitrogen	EPA 300.0	0.079	mg/L	0.010	9/27/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	9/27/2007
Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L	0.050	10/2/2007
Total Nitrogen	Calc.	0.091	mg/L	0.070	10/2/2007
Total Dissolved Solids (TDS)	SM 2540C	23	mg/L	10	10/2/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	10/12/2007
Iron	EPA 200.7	0.63	mg/L	0.010	10/23/2007

Customer Sample ID: SW-7
WETLAB Sample ID: 0709237-002
Collect Date/Time: 9/26/2007 14:35
Receive Date: 9/27/2007 14:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.024	mg/L	0.010	10/2/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	9/27/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	9/27/2007
Nitrate Nitrogen	EPA 300.0	0.086	mg/L	0.010	9/27/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	9/27/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.084	mg/L	0.050	10/2/2007
Total Nitrogen	Calc.	0.17	mg/L	0.070	10/2/2007
Total Dissolved Solids (TDS)	SM 2540C	10	mg/L	10	10/2/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	10/12/2007
Iron	EPA 200.7	<0.010	mg/L	0.010	10/23/2007

Customer Sample ID: SW-8 **Collect Date/Time:** 9/26/2007 14:20
WETLAB Sample ID: 0709237-003 **Receive Date:** 9/27/2007 14:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.016	mg/L	0.010	10/2/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	9/27/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	9/27/2007
Nitrate Nitrogen	EPA 300.0	0.051	mg/L	0.010	9/27/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	9/27/2007
Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L	0.050	10/2/2007
Total Nitrogen	Calc.	<0.070	mg/L	0.070	10/2/2007
Total Dissolved Solids (TDS)	SM 2540C	52	mg/L	10	10/2/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	10/12/2007
Iron	EPA 200.7	<0.020	mg/L	0.020	10/23/2007

Customer Sample ID: SW-10 **Collect Date/Time:** 9/26/2007 11:50
WETLAB Sample ID: 0709237-004 **Receive Date:** 9/27/2007 14:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	<0.010	mg/L	0.010	10/2/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	9/27/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	9/27/2007
Nitrate Nitrogen	EPA 300.0	0.050	mg/L	0.010	9/27/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	9/27/2007
Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L	0.050	10/2/2007
Total Nitrogen	Calc.	<0.070	mg/L	0.070	10/2/2007
Total Dissolved Solids (TDS)	SM 2540C	51	mg/L	10	10/2/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	10/12/2007
Iron	EPA 200.7	0.013	mg/L	0.010	10/23/2007

Customer Sample ID: SW-3 **Collect Date/Time:** 9/26/2007 10:40
WETLAB Sample ID: 0709237-005 **Receive Date:** 9/27/2007 14:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.018	mg/L	0.010	10/2/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	9/27/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	9/27/2007
Nitrate Nitrogen	EPA 300.0	0.054	mg/L	0.010	9/27/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	9/27/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.26	mg/L	0.050	10/2/2007
Total Nitrogen	Calc.	0.32	mg/L	0.070	10/2/2007
Total Dissolved Solids (TDS)	SM 2540C	63	mg/L	10	10/2/2007
Oil & Grease (gravimetric)	EPA 1664	5.3	mg/L	1.5	10/12/2007

Customer Sample ID: SW-3 **Collect Date/Time:** 9/26/2007 10:40

WETLAB Sample ID: 0709237-005 **Receive Date:** 9/27/2007 14:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Iron	EPA 200.7	3.2	mg/L	0.010	10/23/2007

Western Environmental Testing Laboratory
QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC0710002	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0710002	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0710009	Blank 1	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0710009	Blank 2	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0710009	Blank 3	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0710051	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0710051	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0710051	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0710052	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0710052	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0710052	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0710066	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC0710066	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC0710066	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC0710069	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC0710069	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC0710069	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC0710116	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0710193	Blank 1	Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L
QC0710297	Blank 1	Iron	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC0710002	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.628	0.690	91	mg/L
QC0710009	LCS 1	Total Phosphorous as P	EPA 365.3	0.484	0.500	97	mg/L
QC0710051	LCS 1	Nitrite Nitrogen	EPA 300.0	0.500	0.500	100	mg/L
QC0710052	LCS 1	Nitrate Nitrogen	EPA 300.0	0.493	0.500	99	mg/L
QC0710066	LCS 1	Chloride	EPA 300.0	5.29	5.00	106	mg/L
QC0710069	LCS 1	Sulfate	EPA 300.0	10.6	10.0	106	mg/L
QC0710116	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L
QC0710193	LCS 1	Oil & Grease (gravimetric)	EPA 1664	18.2	20.0	91	mg/L
QC0710297	LCS 1	Iron	EPA 200.7	0.989	1.00	99	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC0710116	Duplicate 1	Total Dissolved Solids (TDS)	SM 2540C	0710007-001	4950	4880	mg/L	1 %
QC0710116	Duplicate 2	Total Dissolved Solids (TDS)	SM 2540C	0710017-003	4180	4120	mg/L	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result		MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC0710002	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	0709197-002	<0.050	M	0.151	0.144	0.690	mg/L	NC	NC	NC
QC0710002	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	0709237-005	0.265		0.905	0.766	0.690	mg/L	93	73	17 %
QC0710009	MS 1	Total Phosphorous as P	EPA 365.3	0709237-001	0.077		0.558	0.579	0.500	mg/L	96	100	4 %
QC0710009	MS 2	Total Phosphorous as P	EPA 365.3	0709235-003	0.069		0.566	0.569	0.500	mg/L	100	100	<1%
QC0710051	MS 1	Nitrite Nitrogen	EPA 300.0	0709235-004	<0.010		0.541	0.495	0.500	mg/L	108	99	9 %
QC0710052	MS 1	Nitrate Nitrogen	EPA 300.0	0709235-004	<0.010		1.16	1.15	1.00	mg/L	116	115	1 %
QC0710066	MS 1	Chloride	EPA 300.0	0709214-001	5.72		6.88	6.99	1.00	mg/L	117	127	2 %
QC0710069	MS 1	Sulfate	EPA 300.0	0709214-001	57.8		62.4	62.4	4.00	mg/L	115	114	<1%
QC0710193	MS 1	Oil & Grease (gravimetric)	EPA 1664	0709237-005	5.34		23.0	NA	20.0	mg/L	88	NA	NA

CA

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tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

Lab Number 7092387
Report Due Date 10/11/07
Page _____ of _____

Client: Kleinfelder
Address: 4835 Longley Lane
City, State & Zip: Reno NV 89502
Contact: D. Hardy
Phone: 689-7900 | Collector's Name: R Tarnsignant
Fax: 689-7910 | Project Name: Homewood
P.O. Number | Project Number

Turnaround Time
Standard _____ 5-Day _____ Other _____

Billing Address (if different than Client Address:)
Company _____
Address _____
City, State & Zip _____
Contact _____
Phone _____
Fax _____
Email _____

Email

Additional Information

Fax Results	Y	(N)	To: Client	Billing
Email Results	(Y)	N	To: (Client)	Billing
Compliance Monitoring	Y	N		
Fax Results to State EPA	Y	N		

Sample Type Codes

DW = Drinking Water	SD = Solid
WW = Wastewater	SO = Soil
(SW) = Surface Water	HW = Hazardous Waste
MW = Monitoring Well	OTHER: _____

Analyses Requested

SAMPLE ID/LOCATION	DATE	TIME	SAMPLE TYPE	NO. OF CONTAINERS	Chloride	Total N	Oil & Grease	Total P	Sulfate	TDS	Total Fe				Spl. No.
SW-5	9-26	1110	SW	3	✓	✓	✓	✓	✓	✓	✓				1
SW-7		1435		3											2
SW-8		1420		3											3
SW-10		1150		3											4
SW-3		1040		*											5
				*											

Instructions/Comments/Special Requirements: * 3 glass 1-liter

SAMPLE RECEIPT	DATE	TIME	Samples Relinquished By	Samples Received By
Temperature 10 °C	9-27-07	1400	[illegible]	[illegible]
Custody Seals Intact? Y N (None)				
Number of Containers 17				

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

301.2E

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TESTING LABORATORY

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10/23/2007

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog

OrderID: *0709238*

Dear: Dave Herzog

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 9/27/2007. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

Andy Smith
Laboratory Manager

Specializing in Soil, Hazardous Waste and Water Analysis.

Western Environmental Testing Laboratory
Report Comments

Kleinfelder, Inc. - 709238

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Chloride on sample 0709238-003 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Data Qualifier Legend

B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank

HT -- Sample held beyond the accepted holding time

J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit

M -- Reported value is estimated; The sample matrix interfered with the analysis

N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.

NC -- Not calculated due to matrix interference

Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy

SA -- Reported value was caclulated using the method of Standard Additions.

SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory
Analytical Report

Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: Dave Herzog
Phone: (775) 689-7800 **Fax:** (775) 689-7810
PO\Project: *Homewood*

Date Printed: 10/23/2007
OrderID: *0709238*

Customer Sample ID: SW-14
WETLAB Sample ID: 0709238-001
Collect Date/Time: 9/27/2007 11:15
Receive Date: 9/27/2007 14:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.030	mg/L	0.010	10/2/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	9/28/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	9/28/2007
Nitrate Nitrogen	EPA 300.0	0.031	mg/L	0.010	9/28/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	9/28/2007
Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L	0.050	10/2/2007
Total Nitrogen	Calc.	<0.070	mg/L	0.070	10/2/2007
Total Dissolved Solids (TDS)	SM 2540C	110	mg/L	10	10/2/2007
Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU	0.10	9/28/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	10/5/2007
Iron	EPA 200.7	<0.010	mg/L	0.010	10/23/2007

Customer Sample ID: SW-2
WETLAB Sample ID: 0709238-002
Collect Date/Time: 9/27/2007 12:00
Receive Date: 9/27/2007 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.016	mg/L	0.010	10/2/2007
Chloride	EPA 300.0	<1.0	mg/L	1.0	9/28/2007
Sulfate	EPA 300.0	<1.0	mg/L	1.0	9/28/2007
Nitrate Nitrogen	EPA 300.0	0.029	mg/L	0.010	9/28/2007
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	9/28/2007
Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L	0.050	10/2/2007
Total Nitrogen	Calc.	<0.070	mg/L	0.070	10/2/2007
Total Dissolved Solids (TDS)	SM 2540C	49	mg/L	10	10/2/2007
Turbidity (Nephelometric)	EPA 180.1	0.26	NTU	0.10	9/28/2007
Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L	1.5	10/5/2007
Iron	EPA 200.7	<0.010	mg/L	0.010	10/23/2007

Customer Sample ID: SW-15 **Collect Date/Time:** 9/27/2007 10:30

WETLAB Sample ID: 0709238-003 **Receive Date:** 9/27/2007 12:00

Parameter	Method	Results		Units	Reporting Limit	Date Analyzed
Total Phosphorous as P	EPA 365.3	0.012		mg/L	0.010	10/2/2007
Chloride	EPA 300.0	<1.0	M	mg/L	1.0	9/28/2007
Sulfate	EPA 300.0	<1.0		mg/L	1.0	9/28/2007
Nitrate Nitrogen	EPA 300.0	0.046		mg/L	0.010	9/28/2007
Nitrite Nitrogen	EPA 300.0	<0.010		mg/L	0.010	9/28/2007
Total Kjeldahl Nitrogen	EPA 351.2	0.18		mg/L	0.050	10/2/2007
Total Nitrogen	Calc.	0.22		mg/L	0.070	10/2/2007
Total Dissolved Solids (TDS)	SM 2540C	73		mg/L	10	10/2/2007
Turbidity (Nephelometric)	EPA 180.1	0.26		NTU	0.10	9/28/2007
Oil & Grease (gravimetric)	EPA 1664	2.0		mg/L	1.5	10/5/2007
Iron	EPA 200.7	<0.010		mg/L	0.010	10/23/2007

Western Environmental Testing Laboratory
QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC0710002	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0710002	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC0710009	Blank 1	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0710009	Blank 2	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0710009	Blank 3	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC0710011	Blank 1	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0710011	Blank 2	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0710011	Blank 3	Turbidity (Nephelometric)	EPA 180.1	<0.10	NTU
QC0710070	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC0710070	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC0710071	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0710071	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.010	mg/L
QC0710072	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0710072	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC0710073	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC0710073	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC0710081	Blank 1	Oil & Grease (gravimetric)	EPA 1664	<1.5	mg/L
QC0710116	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC0710297	Blank 1	Iron	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC0710002	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.628	0.690	91	mg/L
QC0710009	LCS 1	Total Phosphorous as P	EPA 365.3	0.484	0.500	97	mg/L
QC0710011	LCS 1	Turbidity (Nephelometric)	EPA 180.1	5.01	5.00	100	NTU
QC0710070	LCS 1	Chloride	EPA 300.0	5.30	5.00	106	mg/L
QC0710071	LCS 1	Nitrite Nitrogen	EPA 300.0	0.535	0.500	107	mg/L
QC0710072	LCS 1	Nitrate Nitrogen	EPA 300.0	0.492	0.500	98	mg/L
QC0710073	LCS 1	Sulfate	EPA 300.0	10.8	10.0	108	mg/L
QC0710081	LCS 1	Oil & Grease (gravimetric)	EPA 1664	18.5	20.0	92	mg/L
QC0710116	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L
QC0710297	LCS 1	Iron	EPA 200.7	0.989	1.00	99	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC0710011	Duplicate 1	Turbidity (Nephelometric)	EPA 180.1	0709188-001	0.449	0.440	NTU	2 %
QC0710011	Duplicate 2	Turbidity (Nephelometric)	EPA 180.1	0709231-001	0.268	0.284	NTU	6 %
QC0710011	Duplicate 3	Turbidity (Nephelometric)	EPA 180.1	0709238-001	<0.100	<0.100	NTU	15 %
QC0710116	Duplicate 1	Total Dissolved Solids (TDS)	SM 2540C	0710007-001	4950	4880	mg/L	1 %
QC0710116	Duplicate 2	Total Dissolved Solids (TDS)	SM 2540C	0710017-003	4180	4120	mg/L	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result		MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC0710002	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	0709197-002	<0.050	M	0.151	0.144	0.690	mg/L	NC	NC	NC
QC0710002	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	0709237-005	0.265		0.905	0.766	0.690	mg/L	93	73	17 %
QC0710009	MS 1	Total Phosphorous as P	EPA 365.3	0709237-001	0.077		0.558	0.579	0.500	mg/L	96	100	4 %
QC0710009	MS 2	Total Phosphorous as P	EPA 365.3	0709235-003	0.069		0.566	0.569	0.500	mg/L	100	100	<1%
QC0710070	MS 1	Chloride	EPA 300.0	0709238-003	<1.000	M	1.16	1.10	1.00	mg/L	NC	NC	NC
QC0710071	MS 1	Nitrite Nitrogen	EPA 300.0	0709238-003	<0.010		0.576	0.533	0.500	mg/L	115	107	8 %
QC0710072	MS 1	Nitrate Nitrogen	EPA 300.0	0709238-003	0.046		1.25	1.26	1.00	mg/L	121	121	<1%
QC0710073	MS 1	Sulfate	EPA 300.0	0709238-003	<1.000		4.66	4.66	4.00	mg/L	104	104	<1%
QC0710081	MS 1	Oil & Grease (gravimetric)	EPA 1664	0709238-002	<1.50		21.5	NA	20.0	mg/L	101	NA	NA

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tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

Lab Number 709238
Report Due Date 10/11/07
Page _____ of _____

Client Kleinfelder
Address 4835 Longley Lane
City, State & Zip Reno NV 89502
Contact D. Herring
Phone 689-7800 | Collector's Name P. Townsend
Fax 689-7810 | Project Name Homewood
P.O. Number | Project Number

Turnaround Time
Standard_____ 5-Day_____ Other_____

Billing Address (if different than Client Address:)
Company _____
Address _____
City,State&Zip _____
Contact _____
Phone _____
Fax _____
Email _____

Email

Additional Information

Fax Results	Y	N	To: Client	Billing
Email Results	Y	N	To: Client	Billing
Compliance Monitoring	Y	N		
Fax Results to State EPA	Y	N		

Sample Type Codes

DW = Drinking Water	SD = Solid
WW = Wastewater	SO = Soil
SW = Surface Water	HW = Hazardous Waste
MW = Monitoring Well	OTHER: _____

Analyses Requested

SAMPLE ID/LOCATION	DATE	TIME	SAMPLE TYPE	NO. OF CONTAINERS	Chloride	Total N	Oil & Grease	Total P	Nitrate	TDS	Total P	Turbidity			Spl. No.
SW-14	9-27	1115	SW		✓	✓	✓	✓	✓	✓	✓	✓			
SW-2	1	1200	1	4	1	1	1	1	1	1	1	1			
SW-15	1	1030	1		1	1	1	1	1	1	1	1			

Instructions/Comments/Special Requirements: * 3x glass 1-liter

SAMPLE RECEIPT	DATE	TIME	Samples Relinquished By	Samples Received By
Temperature 4 °C	9-27-07	1400	Paul Townsend	[illegible]
Custody Seals Intact? Y N None				
Number of Containers 4				

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

301.2E

APPENDIX G

Photographs

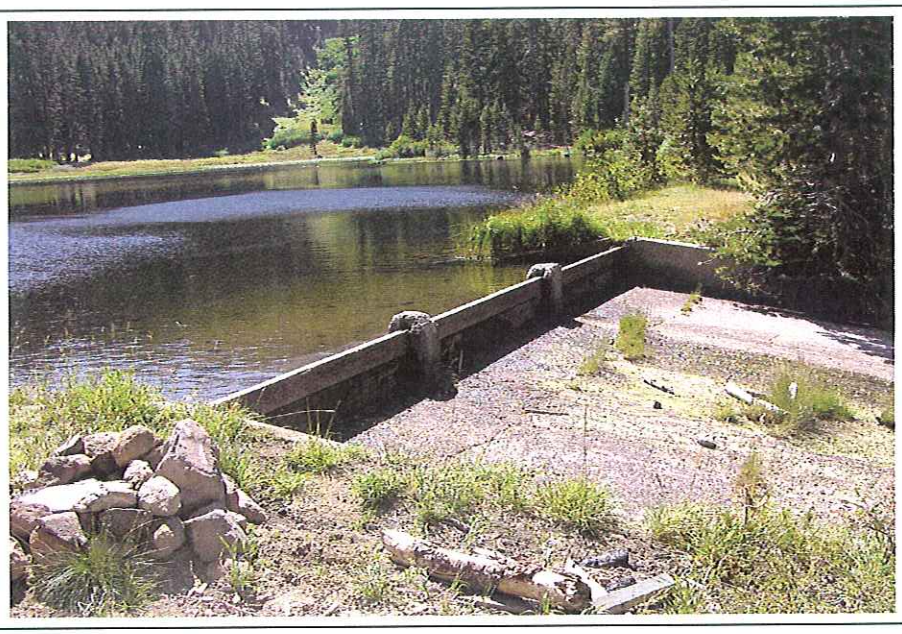

Photo 1 -
Lake Louise, the headwaters of Madden Creek.

Photo 2 -
Madden Creek between RM 1.8 and RM 1.9 with a Step-pool bedform.

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PROJECT NO.: 74407.02

SITE PHOTOGRAPHS

Watershed Evaluation
Homewood Mountain Resort
Homewood, California

Photo 3 – Madden Creek at the Trout Avenue bridge.

Photo 4 – Madden Creek near Highway 89, off HMR property

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PROJECT NO.: 74407.02

SITE PHOTOGRAPHS

Watershed Evaluation
Homewood Mountain Resort
Homewood, California

Photo 5 –Ellis Creek near RM 1.4 and Sample Location SW-10.

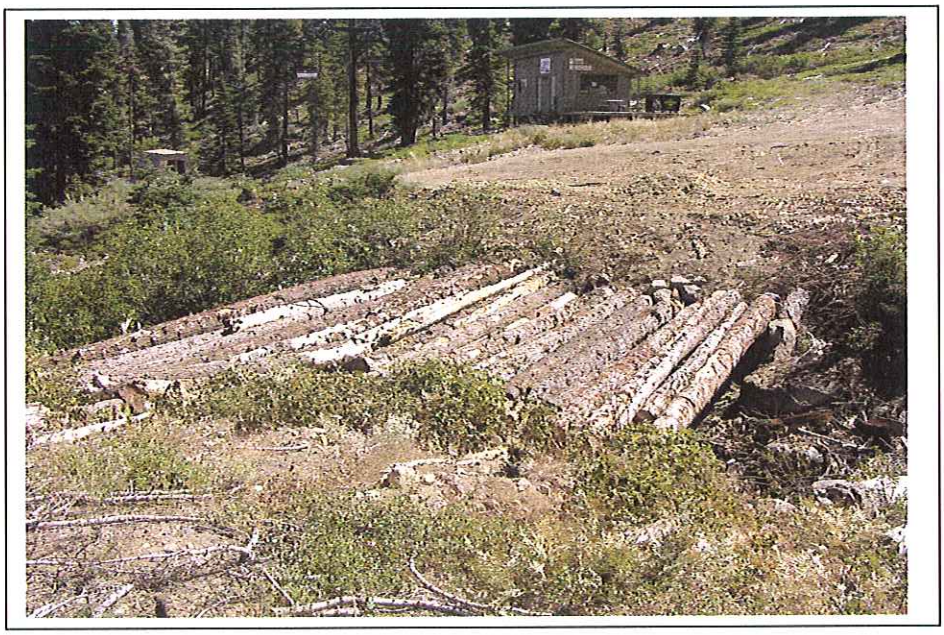

Photo 6 – Ellis Creek near chair lift and Sample Location SW-8.

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SITE PHOTOGRAPHS

Watershed Evaluation
Homewood Mountain Resort
Homewood, California

Photo 7 –Ellis Creek near RM 1.2.

Photo 8 – Ellis Creek near RM 0.9. Step-pool stream bedform.

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SITE PHOTOGRAPHS

Watershed Evaluation
Homewood Mountain Resort
Homewood, California

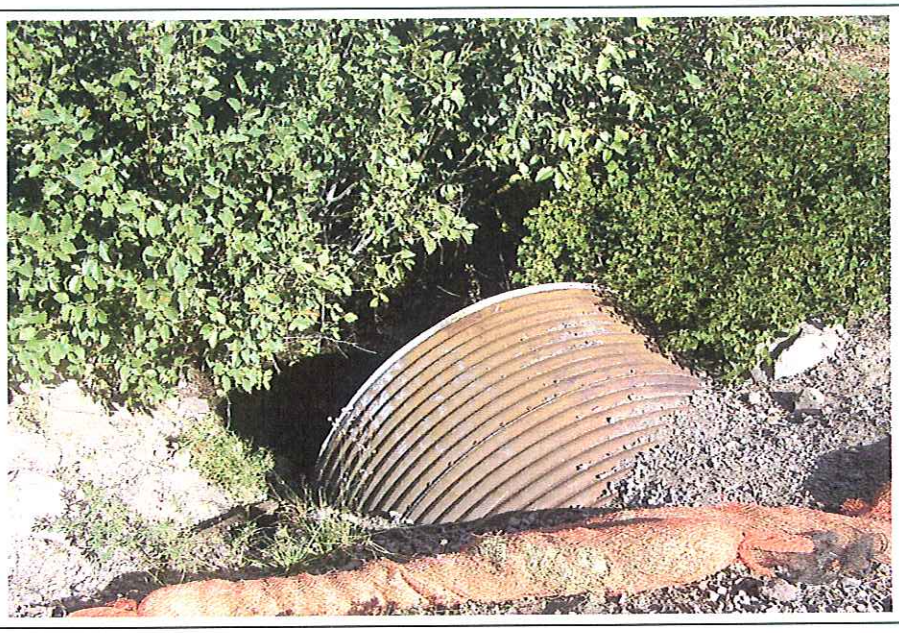

Photo 9 –Ellis Creek culvert on Tahoe Ski Bowl Way.

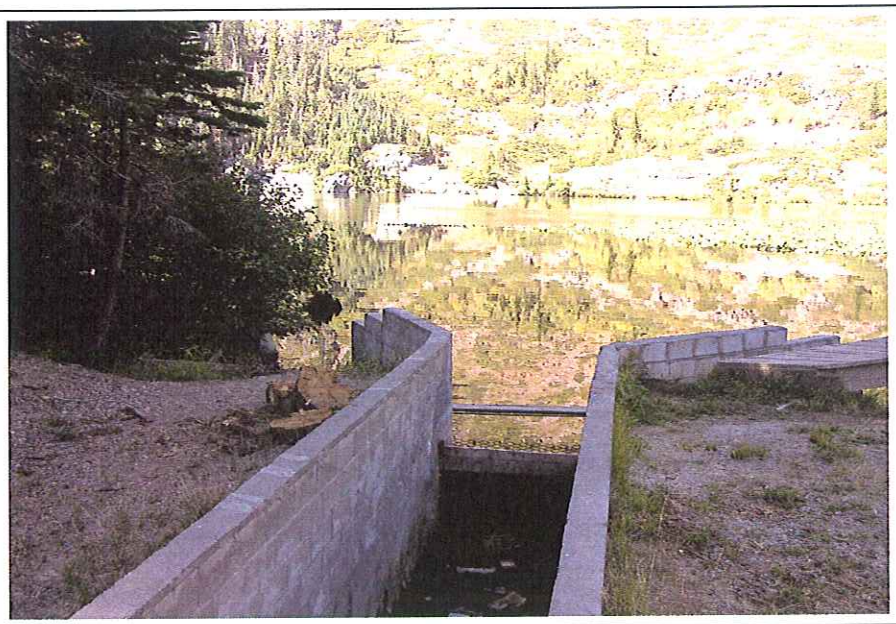

Photo 10 –Quail Lake flume that empties into Quail Lake Creek.

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SITE PHOTOGRAPHS

Watershed Evaluation
Homewood Mountain Resort
Homewood, California

Photo 11 – Quail Lake Creek downstream from HMR property line.

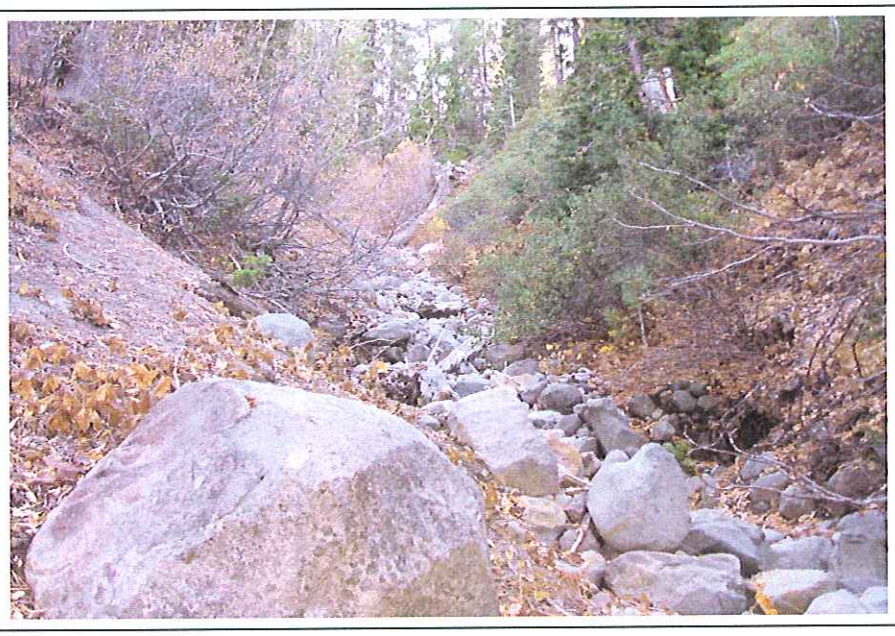

Photo 12 – Unnamed Creek near RM 0.3.

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SITE PHOTOGRAPHS

Watershed Evaluation
Homewood Mountain Resort
Homewood, California

Photo 13 – Ellis Creek bank erosion near RM 1.2.

Photo 14 – Madden Creek bank erosion near RM 1.3.

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SITE PHOTOGRAPHS
RESTORATION OPPORTUNITIES
Watershed Evaluation
Homewood Mountain Resort
Homewood. California

Photo 15 –Unnamed Creek Bank Erosion near RM 0.4.

Photo 16 – Undercut bank at RM 0.5 along Unnamed Creek.

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SITE PHOTOGRAPHS
RESTORATION OPPORTUNITIES
Watershed Evaluation
Homewood Mountain Resort
Homewood. California

APPENDIX H

Regional Board Monitoring and Reporting Program No. 95-86A1

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

MONITORING AND REPORTING PROGRAM NO. 95-86A1
WDID NO. 6A310023700

FOR

SKI HOMEWOOD

Placer County

I. MONITORING

A. Water Quality Monitoring of Ski Area

1. Locations of Sampling Stations

Water quality sampling stations shall be established at the following locations, as shown on Attachment "A" to the Waste Discharge Requirements:

a. Station M-1 - Madden Creek, immediately downstream of the outfall from Lake Louise.

b. Station M-2 - Madden Creek, immediately downstream of the point where the creek exits the property.

c. Station E-1 - Ellis Creek, immediately downstream of the point where the creek enters the property.

d. Station E-2 - Ellis Creek, immediately downstream of the point where the creek exits the property.

e. Station P-1 - North Parking Lot, at the outlet drain pipe.

f. Station P-2 - South Parking Lot, at the drop inlet on the south side of the parking lot.

2. Sample Collection Procedures

Samples shall be taken in appropriate bottles which have been cleansed with a non-phosphorus detergent, and triple rinsed with stream water prior to collecting the grab sample. Samples will be preserved in accordance with standard methods or approved EPA Methods until delivery to the laboratory for analysis.

A measurement or estimate of the flowrate shall be made each time a surface sample is taken. Surface water samples shall be representative of the entire flow, or shall be taken at one-third the total depth of the stream.

A narrative description of climatological conditions for the previous several days shall be made for each monitoring run.

3. Frequency of Water Quality Sampling

During the spring snowmelt period (April-June), samples will be collected on a weekly basis, as long as there is observed flow at the monitoring stations. Samples shall be collected between 1300 hours and 1700 hours.

During other periods of the year, samples will be collected from each station during each significant rainfall event which causes observed flow at the monitoring stations. Samples shall be collected, if possible, during the first four hours of runoff. Subsequent samples shall be taken at one week intervals, if runoff persists.

4. Constituents to be Monitored:

a. Volumetric flowrate measurements or estimate at each surface station each time it is sampled

b. Turbidity

c. Total Nonfilterable Residue (Total Suspended Solids)

d. ~~Nitrate Nitrogen as N~~ Total N

e. Total Phosphorus as P

B. Erosion Control Inspections of Ski Area

Two inspections shall be made by the Discharger annually, once during the month of June and once prior to October 10. The June inspection should determine the following:

1. new erosion and drainage problems needing correction

2. damage to previously revegetated areas

3. success of establishment of revegetation of previously disturbed areas

4. damage to roads and roadside drainage

5. any other areas with existing or potential erosion problems which should be considered priority areas for the upcoming season's erosion control work.

The October inspection should determine the following:

6. completed erosion control and revegetation work

7. existing priority erosion problems still needing correction before the onset of the winter season.

8. The status of erosion control work on new development projects including ski runs, ski lifts, road construction, and any other significant development activities.

9. Sedimentation facilities, ditches and parking lot treatment facilities needing cleaning before the onset of the winter season.

Any erosion, surface runoff problems or other adverse conditions which are found on the property shall be clearly described and the corrective measures and a time schedule proposed by the Discharger shall be included in the inspection report. In the event that no such problems are found on the property, a statement certifying this condition must be included for each inspection.

C. Parking Lots Monitoring

1. The Discharger shall inspect the parking lots on a monthly basis during those months in which ground cover by snow is not complete. The purpose of this inspection is to identify potential erosion and surface runoff on the project so that corrective measures may be immediately undertaken.

The inspection shall include:

a. Drop Inlets

(1) Clogging by debris, ice, or sediment
(2) Damage by vehicles or snow plow equipment

b. Drainage Collection System

(1) Clogging by debris, ice or sediment
(2) Free movement of water through pipes, channels, and appurtenances
(3) Damage to drainage collection system
(4) Adequate energy dissipation

c. (1) Erosion Control
(2) Healthy and productive vegetation
(3) Gully or rill erosion on slopes
(4) Sediment buildup at toe of slopes
(5) Vegetation damage by vehicles or heavy foot traffic

d. Culvert Outlets

(1) adequate energy dissipation
(2) removal of trash and debris from drainageway

e. Spilled chemicals, paints, fuels, sealants, oils, greases, anti-freeze etc.

f. Sediment/sand build-up on parking lot

g. Grease traps

The Discharger shall develop and annually update a checklist of erosion control facilities as listed above to be used during the inspection and for reporting the results of the inspection. The checklist should include date of inspection, inspector(s), problems noted, corrective measures taken etc.

D. Annual Workplan

The Discharger shall develop an Annual Workplan as referenced in Provision "D" of the Waste Discharge Requirements. The Annual Workplan should list all projects proposed to be constructed during the upcoming summer season, including those for which a separate report of waste discharge will be submitted.

E. Snow Conditioning Chemicals Monitoring

If snow conditioning chemicals are used on ski slopes, a log of the following information shall be kept:

1. Locations of application

2. Dates of application

3. Amounts of applications

a. total pounds

b. pounds per acre

4. Composition of the snow conditioning chemicals

F. Snowmaking Enhancement Chemicals Monitoring

If snowmaking enhancement chemicals are used on ski slopes, a log of the following information shall be kept:

1. Locations of application

2. Dates of application

3. Amounts of applications

   a. total pounds

   b. pounds per acre

4. Composition of the snow enhancement chemicals

G. General Provisions

The Discharger shall comply with the "General Provisions for Monitoring and Reporting," dated September 1, 1994, which is attached to and made part of this Monitoring and Reporting Program.

H. Composting Toilet

1. A maintenance log shall be kept onsite and all maintenance shall be recorded. A copy of the log shall be submitted to Regional Board staff biannually.

2. A copy of the hauling manifest from the hauler of the waste generated by the toilet and a copy of the receipt from the agency or individual receiving the waste shall be submitted to Regional Board staff each time the system is cleaned.

II. REPORTING

The above information, including sampling results and inspections, shall be submitted to the Board in accordance with the schedule described below. The Discharger shall arrange and compile data in a concise form for quick review by Board staff.

Report	Frequency	Report Submittal Dates
Water Quality Monitoring	Quarterly	July 15, October 15

of Ski Area		
Erosion Control Monitoring of Ski Area	Quarterly	July 15, October 15
Composting Toilet Maintenance Log	Biannually	May 15, December 15
Composting Toilet Hauling manifest and Receipt	All	
Annual Worklist	Annual	May 15
Snow Conditioning Chemicals Monitoring	Annual	July 15
Snowmaking Enhancement Chemicals Monitoring	Annual	July 15

In reporting the monitoring data, the Discharger shall arrange the data in a tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner as to clearly illustrate compliance with the discharge requirements.

Ordered by: Harold J. Singer Dated: Aug 14, 1995

HAROLD J. SINGER
EXECUTIVE OFFICER

Attachments: General Provisions for Monitoring and Reporting

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

GENERAL PROVISIONS
FOR MONITORING AND REPORTING

1. SAMPLING AND ANALYSIS

a. All analyses shall be performed in accordance with the current edition(s) of the following documents:

i. Standard Methods for the Examination of Water and Wastewater

ii. Methods for Chemical Analysis of Water and Wastes, EPA

b. All analyses shall be performed in a laboratory certified to perform such analyses by the California State Department of Health Services or a laboratory approved by the Regional Board Executive Officer. Specific methods of analysis must be identified on each laboratory report.

c. Any modifications to the above methods to eliminate known interferences shall be reported with the sample results. The methods used shall also be reported. If methods other than EPA-approved methods or Standard Methods are used, the exact methodology must be submitted for review and must be approved by the Regional Board Executive Officer prior to use.

d. The discharger shall establish chain-of-custody procedures to insure that specific individuals are responsible for sample integrity from commencement of sample collection through delivery to an approved laboratory. Sample collection, storage, and analysis shall be conducted in accordance with an approved Sampling and Analysis Plan (SAP). The most recent version of the approved SAP shall be kept at the facility.

e. The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to ensure accuracy of measurements, or shall insure that both activities will be conducted. The calibration of any wastewater flow measuring device shall be recorded and maintained in the permanent log book described in 2.b, below.

f. A grab sample is defined as an individual sample collected in fewer than 15 minutes.

g. A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period at equal intervals. The volume of each individual sample shall be proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

2. OPERATIONAL REQUIREMENTS

a. Sample Results

Pursuant to California Water Code Section 13267(b), the discharger shall maintain all sampling and analytical results including: strip charts; date, exact place, and time of sampling; date analyses were performed; sample collector's name; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Regional Board.

b. Operational Log

Pursuant to California Water Code Section 13267(b), an operation and maintenance log shall be maintained at the facility. All monitoring and reporting data shall be recorded in a permanent log book.

3. REPORTING

a. For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time, and shall submit a timetable for correction.

b. Pursuant to California Water Code Section 13267(b), all sampling and analytical results shall be made available to the Regional Board upon request. Results shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Regional Board.

c. The discharger shall provide a brief summary of any operational problems and maintenance activities to the Board with each monitoring report. Any modifications or additions to, or any major maintenance conducted on, or any major problems occurring to the wastewater conveyance system, treatment facilities, or disposal facilities shall be included in this summary.

d. Monitoring reports shall be signed by:

i. In the case of a corporation, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates;

ii. In the case of a partnership, by a general partner;

iii. In the case of a sole proprietorship,by the proprietor; or

iv. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

e. Monitoring reports are to include the following:

i. Name and telephone number of individual who can answer questions about the report.

ii. The Monitoring and Reporting Program Number.

iii. WDID Number.

f. Modifications

This Monitoring and Reporting Program may be modified at the discretion of the Regional Board Executive Officer.

4. NONCOMPLIANCE

Under Section 13268 of the Water Code, any person failing or refusing to furnish technical or monitoring reports, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in an amount of up to one thousand dollars ($1,000) for each day of violation.