ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
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ANALYTICAL SUMMARY REPORT

December 14, 2006

NFU-WY LLC
10758 W Centennial Rd Ste 200
Ken Caryl Ranch, CO 80127

Workorder No.: C06110197

Project Name: Lost Creek

Energy Laboratories, Inc. received the following 2 samples from NFU-WY LLC on 11/3/2006 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C06110197-001	LC19M	11/03/06 12:40	11/03/06	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Conductivity Fluoride Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Digestion by EPA 200.2 Gross Alpha, Gross Beta Radium 226, Dissolved Radium 228, Dissolved Solids, Total Dissolved Sulfate
C06110197-002	LC32M	11/03/06 14:20	11/03/06	Aqueous	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:

R. A. Darling
ROGER DARLING
LABORATORY SUPERVISOR

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LABORATORY ANALYTICAL REPORT

Client: NFU-WY LLC
Project: Lost Creek
Lab ID: C06110197-001
Client Sample ID: LC19M

Report Date: 12/14/06
Collection Date: 11/03/06 12:40
DateReceived: 11/03/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	108	mg/L		1		A2320 B	11/14/06 10:26 / th
Carbonate as CO3	ND	mg/L		1		A2320 B	11/14/06 10:26 / th
Bicarbonate as HCO3	132	mg/L		1		A2320 B	11/14/06 10:26 / th
Calcium	72.9	mg/L		0.5		E200.7	11/21/06 14:31 / cp
Chloride	6	mg/L		1		E200.7	11/21/06 14:31 / cp
Fluoride	0.1	mg/L		0.1		A4500-F C	11/15/06 11:22 / th
Magnesium	3.2	mg/L		0.5		E200.7	11/21/06 14:31 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/10/06 13:36 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	11/07/06 09:41 / jal
Potassium	2.1	mg/L		0.5		E200.7	11/21/06 14:31 / cp
Sodium	32.8	mg/L		0.5		E200.7	11/21/06 14:31 / cp
Sulfate	146	mg/L		1		E200.7	11/21/06 14:31 / cp
PHYSICAL PROPERTIES							
Conductivity	506	umhos/cm		1.0		A2510 B	11/06/06 09:54 / th
pH	7.85	s.u.		0.01		A4500-H B	11/06/06 09:54 / th
Solids, Total Dissolved TDS @ 180 C	302	mg/L		10		A2540 C	11/06/06 09:51 / th
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	11/06/06 14:40 / sml
Arsenic	0.002	mg/L		0.001		E200.8	11/06/06 14:40 / sml
Barium	ND	mg/L		0.1		E200.8	11/06/06 14:40 / sml
Boron	ND	mg/L		0.1		E200.7	11/21/06 14:31 / cp
Cadmium	ND	mg/L		0.01		E200.8	11/06/06 14:40 / sml
Chromium	ND	mg/L		0.05		E200.8	11/06/06 14:40 / sml
Copper	ND	mg/L		0.01		E200.8	11/06/06 14:40 / sml
Iron	ND	mg/L		0.03		E200.7	11/21/06 14:31 / cp
Lead	ND	mg/L		0.05		E200.8	11/06/06 14:40 / sml
Manganese	0.01	mg/L		0.01		E200.8	11/06/06 14:40 / sml
Mercury	ND	mg/L		0.001		E200.8	11/06/06 14:40 / sml
Molybdenum	ND	mg/L		0.1		E200.8	11/06/06 14:40 / sml
Nickel	ND	mg/L		0.05		E200.8	11/06/06 14:40 / sml
Selenium	ND	mg/L		0.001		E200.8	11/06/06 14:40 / sml
Uranium	0.0514	mg/L		0.0003		E200.8	11/06/06 14:40 / sml
Vanadium	ND	mg/L		0.1		E200.8	11/06/06 14:40 / sml
Zinc	ND	mg/L		0.01		E200.8	11/06/06 14:40 / sml
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	11/21/06 18:04 / cp
Manganese	0.01	mg/L		0.01		E200.7	11/21/06 18:04 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: NFU-WY LLC
Project: Lost Creek
Lab ID: C06110197-001
Client Sample ID: LC19M

Report Date: 12/14/06
Collection Date: 11/03/06 12:40
DateReceived: 11/03/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	917	pCi/L		1.0		E900.0	11/21/06 07:50 / rs
Gross Alpha precision (±)	6.3	pCi/L				E900.0	11/21/06 07:50 / rs
Gross Beta	592	pCi/L		2.0		E900.0	11/21/06 07:50 / rs
Gross Beta precision (±)	5.8	pCi/L				E900.0	11/21/06 07:50 / rs
Radium 226	547	pCi/L		0.2		E903.0	11/20/06 11:46 / trs
Radium 226 precision (±)	8.0	pCi/L				E903.0	11/20/06 11:46 / trs
Radium 228	4.1	pCi/L		1.0		RA-05	11/15/06 12:42 / pj
Radium 228 precision (±)	0.8	pCi/L				RA-05	11/15/06 12:42 / pj
DATA QUALITY							
A/C Balance (± 5)	0.155	%				Calculation	12/14/06 15:11 / ks
Anions	5.37	meq/L				Calculation	12/14/06 15:11 / ks
Cations	5.39	meq/L				Calculation	12/14/06 15:11 / ks
Solids, Total Dissolved Calculated	328	mg/L				Calculation	12/14/06 15:11 / ks
TDS Balance (0.80 - 1.20)	0.920	dec. %				Calculation	12/14/06 15:11 / ks

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: NFU-WY LLC
Project: Lost Creek
Lab ID: C06110197-002
Client Sample ID: LC32M

Report Date: 12/14/06
Collection Date: 11/03/06 14:20
DateReceived: 11/03/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	109	mg/L		1		A2320 B	11/14/06 10:28 / th
Carbonate as CO3	ND	mg/L		1		A2320 B	11/14/06 10:28 / th
Bicarbonate as HCO3	133	mg/L		1		A2320 B	11/14/06 10:28 / th
Calcium	70.0	mg/L		0.5		E200.7	11/21/06 14:34 / cp
Chloride	5	mg/L		1		A4500-Cl B	11/06/06 08:17 / jl
Fluoride	0.1	mg/L		0.1		A4500-F C	11/15/06 11:23 / th
Magnesium	3.0	mg/L		0.5		E200.7	11/21/06 14:34 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/10/06 13:38 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	11/07/06 09:51 / jal
Potassium	2.1	mg/L		0.5		E200.7	11/21/06 14:34 / cp
Sodium	32.4	mg/L		0.5		E200.7	11/21/06 14:34 / cp
Sulfate	120	mg/L	D	6		A4500-SO4 E	11/06/06 09:43 / jal
PHYSICAL PROPERTIES							
Conductivity	506	umhos/cm		1.0		A2510 B	11/06/06 09:56 / th
pH	7.88	s.u.		0.01		A4500-H B	11/06/06 09:56 / th
Solids, Total Dissolved TDS @ 180 C	302	mg/L		10		A2540 C	11/06/06 09:51 / th
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	11/06/06 14:46 / sml
Arsenic	0.002	mg/L		0.001		E200.8	11/06/06 14:46 / sml
Barium	ND	mg/L		0.1		E200.8	11/06/06 14:46 / sml
Boron	ND	mg/L		0.1		E200.7	11/21/06 14:34 / cp
Cadmium	ND	mg/L		0.01		E200.8	11/06/06 14:46 / sml
Chromium	ND	mg/L		0.05		E200.8	11/06/06 14:46 / sml
Copper	ND	mg/L		0.01		E200.8	11/06/06 14:46 / sml
Iron	ND	mg/L		0.03		E200.7	11/21/06 14:34 / cp
Lead	ND	mg/L		0.05		E200.8	11/06/06 14:46 / sml
Manganese	0.01	mg/L		0.01		E200.8	11/06/06 14:46 / sml
Mercury	ND	mg/L		0.001		E200.8	11/06/06 14:46 / sml
Molybdenum	ND	mg/L		0.1		E200.8	11/06/06 14:46 / sml
Nickel	ND	mg/L		0.05		E200.8	11/06/06 14:46 / sml
Selenium	ND	mg/L		0.001		E200.8	11/06/06 14:46 / sml
Uranium	0.0516	mg/L		0.0003		E200.8	11/06/06 14:46 / sml
Vanadium	ND	mg/L		0.1		E200.8	11/06/06 14:46 / sml
Zinc	ND	mg/L		0.01		E200.8	11/06/06 14:46 / sml
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	11/21/06 18:07 / cp
Manganese	0.01	mg/L		0.01		E200.7	11/21/06 18:07 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: NFU-WY LLC
Project: Lost Creek
Lab ID: C06110197-002
Client Sample ID: LC32M

Report Date: 12/14/06
Collection Date: 11/03/06 14:20
DateReceived: 11/03/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	797	pCi/L		1.0		E900.0	11/21/06 07:50 / rs
Gross Alpha precision (±)	5.8	pCi/L				E900.0	11/21/06 07:50 / rs
Gross Beta	512	pCi/L		2.0		E900.0	11/21/06 07:50 / rs
Gross Beta precision (±)	5.4	pCi/L				E900.0	11/21/06 07:50 / rs
Radium 226	535	pCi/L		0.2		E903.0	11/20/06 11:46 / trs
Radium 226 precision (±)	8.0	pCi/L				E903.0	11/20/06 11:46 / trs
Radium 228	2.4	pCi/L		1.0		RA-05	11/15/06 12:42 / pj
Radium 228 precision (±)	0.8	pCi/L				RA-05	11/15/06 12:42 / pj
DATA QUALITY							
A/C Balance (± 5)	3.88	%				Calculation	12/14/06 15:14 / ks
Anions	4.82	meq/L				Calculation	12/14/06 15:14 / ks
Cations	5.21	meq/L				Calculation	12/14/06 15:14 / ks
Solids, Total Dissolved Calculated	298	mg/L				Calculation	12/14/06 15:14 / ks
TDS Balance (0.80 - 1.20)	1.01	dec. %				Calculation	12/14/06 15:14 / ks

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: NFU-Wyoming L.L.C

Project Name, PWS #, Permit #, Etc.: Lost Creek

Report Mail Address: Dawn Schippe, NFU Wyoming L.L.C, 10758 W Centennial Road Suite 200, Littleton, Colorado 80127

Contact Name, Phone, Fax, E-mail: Tom Michel, 266-6597, hydro@alluretech.net

Sampler Name if other than Contact:

Invoice Address: see above

Invoice Contact & Phone #: Harold Backer 720-981-4588

Purchase Order #:

ELI Quote #:

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

Special Report Formats - ELI must be notified prior to sample submittal for the following:

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

Notify ELI prior to RUSH sample submittal for additional charges and scheduling

Comments:

Shipped by: Hand

Cooler ID(s): C1835

Receipt Temp: 4-8 °C

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers / Sample Type: A W S V B O / Air Water Soils/Solids Vegetation Bioassay Other / MATRIX	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)
1	LC19M	11/3/06	12:40	4-W	✓		
2	LC32M	11/3/06	14:20	4-W	✓		
3							
4							
5							
6							
7							
8							
9							
10							

LABORATORY USE ONLY C06110197

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Thomas S. Michel	11/3/06 17:33		C Wagner	11/3/06 17:30	

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at *www.energylab.com* for additional information, downloadable fee schedule, forms, & links.

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Track#C06110197 Page

0

Alkalinity
Bicarbonate
Carbonate
Flouride
Sulfate
Total Dissolved Solids
Chloride
Nitrate + Nitrite
Ammonia
Gross Alpha, Gross Beta

Dissolved:
Arsenic
Boron
Cadmium
Calcium
Chromium
Iron
Magnesium
Manganese
Molybdenum
Potassium
Radium 226
Radium 228
Selenium
Sodium
Zinc
Uranium
Vanadium
Aluminum
Barium
Copper
Lead
Mercury
Nickel

Total:
Iron
Manganese

Energy Laboratories, Inc.

Sample Receipt Checklist

Client Name NFU-WY LLC

Date and Time Received: 11/3/2006 17:30:00

Work Order Number C06110197

Received by ckw

Login completed by: Corinne Wagner (Signature) 11/3/2006 17:30:00 (Date)

Reviewed by _____ Initials | Date

Carrier name Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	4.8 °C On Ice
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Contact and Corrective Action Comments:

None

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Date: 14-Dec-06

CLIENT: NFU-WY LLC
Project: Lost Creek
Sample Delivery Group: C06110197

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package. A copy of the submittal(s) has been included and tracked in the data package.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol. NELAC Certification Number E87641.

PCB ANALYSIS USING EPA 505
Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

The total number of pages of this report are indicated by the page number located in the lower right corner.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: NFU-Wyoming L.L.C

Project Name, PWS #, Permit #, Etc.: Lost Creek

Report Mail Address: Dawn Schippe, NFU Wyoming LLC, 10758 W Centennial Road Suite 200, Littleton, Colorado 80127

Contact Name, Phone, Fax, E-mail: Tom Michel, 266-6597, hydro@alluretech.net

Sampler Name if other than Contact:

Invoice Address: see above

Invoice Contact & Phone #: Harold Backer 720-981-4588

Purchase Order #:

ELI Quote #:

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

Special Report Formats - ELI must be notified prior to sample submittal for the following:

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

Notify ELI prior to RUSH sample submittal for additional charges and scheduling

Comments:

Shipped by: Hand

Cooler ID(s): C1835

Receipt Temp: 4.8 Ice °C

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	LABORATORY USE ONLY
1	LC19M	11/3/06	12:40	4-W	✓			
2	LC32M	11/3/06	14:20	4-W	✓			
3								
4								
5								C06110197
6								
7								
8								
9								
10								

Custody Record MUST be Signed

Relinquished by (print): Thomas S. Michel Date/Time: 11/3/06 17:33 Signature:

Received by (print): C Wagner Date/Time: 11/3/06 17:30 Signature:

Relinquished by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at *www.energylab.com* for additional information, downloadable fee schedule, forms, & links.