



ANALYTICAL SUMMARY REPORT

June 07, 2012

Kennedy Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA 98001

Workorder No.: B12060420 Quote ID: B2372 - BNSF-Whitefish

Project Name: BNSF Whitefish River RA

Energy Laboratories Inc Billings MT received the following 1 sample for Kennedy Jenks Consultants on 6/6/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B12060420-001	Brech - 1	06/05/12 12:10	06/06/12	Aqueous	Oil & Grease, Gravimetric Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on an as received basis unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The results as reported relate only to the item(s) submitted for testing.

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

Report Approved By:



CLIENT: Kennedy Jenks Consultants
Project: BNSF Whitefish River RA
Sample Delivery Group: B12060420

Report Date: 06/07/12

CASE NARRATIVE

Tests associated with analyst identified as ELI-G were subcontracted to Energy Laboratories, 400 W Boxelder Rd, Gillette, WY, EPA Number WY00006.



DATES REPORT

Lab Order: B12060420
Client: Kennedy Jenks Consultants
Project: BNSF Whitefish River RA

Report Date: 06/07/12

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date Method Batch	Analysis Date
B12060420-001A	Breech - 1	6/5/2012 12:10:00 PM	Aqueous	Solids, Total Suspended		NA	6/6/2012
B12060420-001B	Breech - 1	6/5/2012 12:10:00 PM	Aqueous	Oil & Grease, Gravimetric		NA	6/7/2012



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Kennedy Jenks Consultants
Project: BNSF Whitefish River RA
Lab ID: B12060420-001
Client Sample ID Breech - 1

Report Date: 06/07/12
Collection Date: 06/05/12 12:10
DateReceived: 06/06/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	66	mg/L		10		A2540 D	06/06/12 10:32 / qej
ORGANIC CHARACTERISTICS							
Oil & Grease (HEM)	ND	mg/L		1		E1664A	06/07/12 15:54 / eli-g

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Kennedy Jenks Consultants
Project: BNSF Whitefish River RA

Report Date: 06/07/12
Work Order: B12060420

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D							Batch: TSS120606A		
Sample ID: MBLK1	Method Blank					Run: BAL #11_120606A		06/06/12 10:32	
Solids, Total Suspended TSS @ 105 C	2	mg/L	1						
Sample ID: LCS1	Laboratory Control Sample					Run: BAL #11_120606A		06/06/12 10:32	
Solids, Total Suspended TSS @ 105 C	189	mg/L	10	94	75	120			
Sample ID: B12060420-001A DUP	Sample Duplicate					Run: BAL #11_120606A		06/06/12 10:32	
Solids, Total Suspended TSS @ 105 C	55.0	mg/L	10				18	5	R

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Kennedy Jenks Consultants

Report Date: 06/07/12

Project: BNSF Whitefish River RA

Work Order: B12060420

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1664A							Batch: G_OG120607A		
Sample ID: MBLK1206070000 Oil & Grease (HEM)	Method Blank ND	mg/L	5.0						
						Run: SUB-G195243			06/07/12 13:20
Sample ID: LCS1206070000 Oil & Grease (HEM)	Laboratory Control Sample 36	mg/L	5.0	89	78	114			
						Run: SUB-G195243			06/07/12 13:21
Sample ID: LCSD1206070000 Oil & Grease (HEM)	Laboratory Control Sample Duplicate 34	mg/L	5.0	85	78	114	5.2	18	
						Run: SUB-G195243			06/07/12 13:24
Sample ID: G12060024-001AMS Oil & Grease (HEM)	Sample Matrix Spike 39	mg/L	5.0	81	78	114			
						Run: SUB-G195243			06/07/12 13:26

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Workorder Receipt Checklist



B12060420

Login completed by: Jill M. Lippard

Date Received: 6/6/2012

Reviewed by: BL2000\kmcDonald

Received by: dts

Reviewed Date: 6/6/2012

Carrier Return-UPS
name: Ground

- | | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time?
(Exclude analyses that are considered field parameters
such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 2.6°C | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: Kennedy Jenks Consalants State: MT EPA/State Compliance: Yes No

Report Mail Address: 32001 32nd Ave South Ste 100 Federal Way, WA 98001
 Contact Name: Rob Hyler Phone/Fax: 408-557-5769 Email: robhyler@kennedyjenks.com Sampler: (Please Print) Dave Diam

Invoice Address: Same as Above Invoice Contact & Phone: Julie Reed 503-295-4911 Purchase Order: 1796021X22 Quote/Bottle Order: 52781

Special Report/Formats: DW POTW/MWTP State: LEVEL IV NELAC Other: EDD/EDT (Electronic Data) Format: LEVEL IV NELAC

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	ANALYSIS REQUESTED		Standard Turnaround (TAT)	Comments:	Receipt Temp	On Ice: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Custody Seal On Bottle <input checked="" type="checkbox"/> On Cooler <input checked="" type="checkbox"/>	Intact <input checked="" type="checkbox"/> N <input type="checkbox"/>	Signature Match <input checked="" type="checkbox"/> N <input type="checkbox"/>	Shipped by: Cooler ID(s):
				Number of Containers	Sample Type: A W S V B O DW								
1. Breech - 1	6-5-12	1210	Water	0.1% Grease - EPA Method	BoP	X	Call Dave w/ results ASAP 406 690 6347 - Run TSS w/ Bot & run all "Super" Batch per Dave 6/6/12	2.6 °C	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> On Bottle <input checked="" type="checkbox"/> On Cooler	<input checked="" type="checkbox"/> Intact <input type="checkbox"/> N <input type="checkbox"/>	<input checked="" type="checkbox"/> Signature Match <input type="checkbox"/> N <input type="checkbox"/>	UPS-RTN-GM
2.													
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													

Received by (print): Dave Diam Date/Time: 6-5-12/1645 Signature: [Signature]

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

Received by Laboratory: [Signature] Date/Time: 6-6-12/0900 Signature: [Signature]

Sample Disposal: Return to Client Lab Disposal: Return to Client

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.enerlab.com for additional information downloadable for schedule forms and links.