



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	Breach - 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.



www.energylab.com
Analytical Excellence Since 1952

Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-680-2218

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

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: 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.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory 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	Method Blank					Run: SUB-G195243			06/07/12 13:20
Oil & Grease (HEM)	ND	mg/L	0.5						
Sample ID: LCS1206070000	Laboratory Control Sample					Run: SUB-G195243			06/07/12 13:21
Oil & Grease (HEM)	36	mg/L	5.0	89	78	114			
Sample ID: LCSD1206070000	Laboratory Control Sample Duplicate					Run: SUB-G195243			06/07/12 13:24
Oil & Grease (HEM)	34	mg/L	5.0	85	78	114	5.2	18	
Sample ID: G12060024-001AMS	Sample Matrix Spike					Run: SUB-G195243			06/07/12 13:26
Oil & Grease (HEM)	39	mg/L	5.0	81	78	114			

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

Page 8 of 8

PLEASE PRINT (Provide as much information as possible.)

Company Name: Kennedy Tanks Consultants		Project Name, PWS, Permit, Etc. Bass Whitefish River RA		Sample Origin State: MT		EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Report Mail Address: 32001 32nd Ave South Ste 100 Federal Way, WA 98001		Contact Name: Rob Hyler		Email: robhyler@kennedytanks.com		Sampler: (Please Print) Dave Diam	
Invoice Address: Same as Above		Invoice Contact & Phone: Subie Reed 503-295-4911		Purchase Order: 1796021X22		Quote/Bottle Order: 52-781	
Special Report/Formats: <input type="checkbox"/> DW <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: <input type="checkbox"/> Other:		<input type="checkbox"/> EDD/EDT (Electronic Data) Format: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC		Shipped by: UPS-RTN-GN Cooler ID(s):			
Number of Containers Sample Type: A W S V B O DW Air Water Solids/Solids Vegetation Bioassay Other DW - Drinking Water		ANALYSIS REQUESTED SEE ATTACHED		Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page		Receipt Temp 2.6 °C On Ice: Y (N) Custody Seal On Bottle X (N) On Cooler X (N) Intact X (N) Signature Match X (N)	
MATRIX Water		Collection Date 6-5-12		Collection Time 12:10		Comments: call Dave w/ results ASAP 406 690 6347 - Run TSS wot BOD & run all "Super" BOD per Dave 6/6/12 BZ	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) Breach - 1		Date/Time: 6-5-12/1645		Received by (print): Dave Diam		Signature: Dave Diam	
Relinquished by (print): Dave Diam		Date/Time: 6-5-12/1645		Received by (print):		Signature:	
Relinquished by (print):		Date/Time:		Received by (print):		Signature:	
Custody Record MUST be Signed		Sample Disposal:		Return to Client:		Received by Laboratory: 6-6-12 10900	
Lab Disposal:		Return to Client:		Received by Laboratory:		Signature:	

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.energlab.com for additional information downloadable for schedule forms and files.