Inter-Mountain Laboratories, Inc.
1673 Terra Avenue, Sheridan, Wyoming 82601

ph: (600) 828-1407 fax: (307) 672-6053

December 1, 2011

Mr. Mike Davis
Canyon Fuel Company
Sufco Mine
597 South SR 24
Salina, Utah 85654

Dear Mr. Davis:

Enclosed are the results for samples our laboratory received on November 15, 2011. The analyses were completed according to Utah "Guidelines for Management of Topsoil and Overburden for Underground and Surface Coal Mining."

Feel free to contact me at your convenience if you have any questions or concerns.

Sincerely,

Karen Secor
Mining Soils

xc: File
Encl

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Soil Analysis Report

Canyon Fuel Company, LLC.
397 South 800 West
Salina, UT 84654

Report ID: S1111261001

Project: Sufco Quarterly
Date Received: 11/16/2011

Date Reported: 12/1/2011
Work Order: S1111261

Lab ID	Sample ID	pH	Saturation	Electrical Conductivity	PE Calcium	PE Magnesium	PE Sodium	SAR	PE Alkalinity	Boron	Selenium
		s.u.	%	dS/m	meq/L	meq/L	meq/L		meq/L	ppm	ppm
S1111261-001	4th Quarter Waste Rock	6.8	50.0	1.54	12.7	10.7	1.13	0.33	4.19	3.39	0.04

These results apply only to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H20Sol= water soluble,AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate
Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neutral. Pot.= Neutralization Potential
Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed by: Karen A Secor
Karen Secor, Soil Lab Supervisor

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Lab ID	Sample ID	Total Sulfur %	T.S. AB t/1000t	Neutral. Potential t/1000t	T.S. ABP t/1000t	Sulfate Sulfur %	Pyritic Sulfur %	Organic Sulfur %	PyriticS AB t/1000t	PyriticS ABP t/1000t
S1111261-001	4th Quarter Waste Rock	0.57	17.9	104	86.6	0.19	0.19	0.20	5.92	98.6

These results apply only to the samples tested.

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Reviewed by: Karen A Secor
Karen Secor, Soil Lab Supervisor