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From: "Marshall, Jay" <jmarshall@coalsource.com>
To: "Pete Hess" <petehess@utah.gov>
Date: 4/29/2009 8:18 AM
Subject: Scan001.PDF - Adobe Acrobat Standard
Attachments: Scan001.PDF

Pete:

FYI: Rock Slope Acid and Toxic. No surprise here.

Jay

BRIGHAM YOUNG UNIVERSITY
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Plant and Animal Science
Department

Name Uath American Energy, Inc.
 Street 794 N. 'C' Canyon Rd
East Carbon UT 84520
 City State Zip

SOIL TEST REPORT
AND
RECOMMENDATIONS

Date: 24-Apr-09
 Telephone: 435-888-4000
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Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Matter
Rock Slope Material	Turf	8.07	63.72	23.72	12.56	Sandy Loam		0.09

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Nitrate-Nitrogen ppm N	20.55			X			apply 60 lbs of N/ac
Selenium ppm Se	1.53						
Boron ppm B	0.45						
Salinity-EcE dS/m	8.40					X	salinity a problem for most crops
Moisture % 1/3 bar	10.72						
Moisture % 15 bar	2.50						
Moisture % Avail.	8.22						
SAR-Sodium Absorption Ratio	6.67		X				no sodium hazard
Calcium-SAR ppm Ca	552.00						
Magnesium SAR ppm Mg	344.50						
Sodium SAR ppm Na	814.08						
Sulfur % S	0.02						apply 20 lbs of S/ac
Ca Carbonate %CaCO3	6.33						
Total N ppm total N	0.00						
Acid-Base pot. tons/1000 tons	64.32						No Problem

PLANT AND WILDLIFE SCIENCES
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To: Utah American Energy, Inc.

Fax #: 435-888-4002

From: BRUCE WEBB

Date: 4-24-09

Subject: Soil Test

Pages: 2

Notes: