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Outgoing
OK

From: Priscilla Burton
To: Mike Davis; OGMCOAL; Roberts, Leland
CC: Houskeeper, Karl
Date: 7/14/2010 5:16 PM
Subject: SUFCO 0410002 Outgoing soils analysis
Attachments: SUFCO gobsoil 6082010_20100714172520.pdf

Hello Leland/Mike,

Attached is the analysis of the composited gob soil sample that we took during the 6/8/2010 inspection. It appears that all parameters tested are acceptable for use on the slopes during reclamation.

I am curious how the BYU analysis compares with IML's?

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SOIL TEST REPORT AND RECOMMENDATIONS

Date: 29-Jun-10
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Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Carbon
sufco gob composite	Turf	7.55	69.44	17.08	13.48	Sandy Loam		1.50

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Nitrate-Nitrogen ppm N	2.83	X					apply 2.8 lbs of N/1000 sq ft
Phosphorus ppm P	3.25	X					apply 2.1 lbs of P2O5/1000 sq ft
Potassium ppm K	54.40		X				apply 0.9 lbs of K2O/1000 sq ft
Salinity-ECe dS/m	2.90		X				no salinity problem
Iron ppm Fe	43.10					X	no fertilizer needed
Boron ppm B	2.03						
Selenium ppm Se	0.87						
SAR-Sodium Absorption Ratio	0.59	X					no sodium hazard
Calcium-SAR ppm Ca	707.52						
Magnesium SAR ppm Mg	175.68						
Sodium SAR ppm Na	68.16						

Notes: