OGMCOAL DNR <ogmcoal@utah.gov>

007/0035 Sunnyside Cogeneration Phase II Spoil & Soil Cover Test Report 1788

Priscilla Burton <priscillaburton@utah.gov> Mon, Apr 1, 2019 at 2:29 PM
To: OGMCOAL DNR <ogmcoal@utah.gov>
Cc: Steve Christensen <stevechristensen@utah.gov>, Keenan Storrar <kstorrar@utah.gov>, Justin Eatchel <jeatchel@utah.gov>, Todd Miller <toddmiller@utah.gov>

This report contains the analysis of the spoil "reject material" and the cover "soil" material. The spoil has the potential to be acid-forming and will be covered with four feet of the soil material. Reclamation will begin later this spring (2019).

Priscilla Burton, CPSSc
Environmental Scientist
Division of Oil, Gas, & Mining
Price Field Office

cell: 435-609-1014
office: 435-613-3733
priscillaburton@utah.gov

---------- Forwarded message ---------
From: **Rusty Netz** <rusnetz@hotmail.com>
Date: Thu, Mar 21, 2019 at 9:46 AM
Subject: Fw: Soil Test Report 1788
To: Priscilla Burton <priscillaburton@utah.gov>

Priscilla,

Attached are soil sample results from SCA's reject pile and a soil sample from the area we will be removing material to reclaim the Phase II reject pile. Both sample results are a composite sample from several areas on the reject pile and the soil removal area.

Starting in late spring SCA will be reclaiming the Phase II reject pile In the exact manner we reclaimed the Phase I reject pile. We will be submitted a more formal plan and seed mix in the future.

I just wanted to give you a heads up. Thank you

Rusty Netz
Sunnyside Cogen
435-888-4476 Ext. 107

From: Rachel Buck <eal@byu.edu>
Sent: Thursday, March 21, 2019 8:52 AM

To: Rusty Netz
Subject: FW: Soil Test Report 1788

Here they are!

Rachel Buck – Lab Manager

BYU Environmental Analytical Laboratory
Soil · Water · WasteWater · BioSolids · Tissue

801-422-2147 eal.byu.edu

From: Rachel Buck
Sent: Friday, March 15, 2019 4:29 PM
To: 'Rusty Netz' <rusnetz@hotmail.com>
Subject: Soil Test Report 1788

Rusty,

Here are the results for your samples. Please let me know if you have any questions!

Best,

Rachel Buck – Lab Manager

BYU Environmental Analytical Laboratory
Soil · Water · WasteWater · BioSolids · Tissue

801-422-2147 eal.byu.edu

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1788.pdf
44K

BRIGHAM YOUNG UNIVERSITY

Environmental Analytical Laboratory
244 WIDB
Provo, UT 84602
801-422-2147

Plant and Wildlife Sciences Department

Name	SCA		
Street	One Power Plant Rd		
Sunnyside	UT	84539	
City	State	Zip	

SAMPLE TEST REPORT AND RECOMMENDATIONS

Date:	15-Mar-19
Telephone:	435.888.4476
Fax:	1788

Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Carbon
Rejects matreial: date sampled 12/3/18		6.65						

Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Nitrate-Nitrogen ppm N	3.98	X					
Phosphorus ppm P	15.8	X					
Potassium ppm K	84.5	X					
Salinity-ECe dS/m	3.50			X			no salinity problem
Boron ppm B	3.65					X	no fertilizer needed
Selenium ppm Se	<MDL						
SAR-Sodium Absorption Ratio	0.54	X					no sodium hazard
Calcium-SAR ppm Ca	33.7						
Potassium SAR ppm K	25.3						
Magnesium SAR ppm Mg	28.9						
Sodium SAR ppm Na	70.7						
Sulfur % pyritic S	0.59	X					
Acid Potential tons CaCO3/1000 tons	18.4						
Ca Carbonate %CaCO3	BDL						
Neutralization Pot. tons CaCO3/1000 tons	BDL						
Acid Base Potential tons CaCO3/1000 tons	NA						

Notes:

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SAMPLE TEST REPORT AND RECOMMENDATIONS

Name	SCA		
Street	One Power Plant Rd		
Sunnyside	UT	84539	
City	State	Zip	

Date:	15-Mar-19
Telephone:	435.888.4476
Fax:	1788

Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Carbon
Soil: date sampled 2/7/19		7.46						

Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Nitrate-Nitrogen ppm N	2.36	X					
Phosphorus ppm P	2.34	X					
Potassium ppm K	43.8	X					
Salinity-ECe dS/m	2.60		X				no salinity problem
Boron ppm B	2.95					X	no fertilizer needed
Selenium ppm Se	<MDL						
SAR-Sodium Absorption Ratio	0.98	X					no sodium hazard
Calcium-SAR ppm Ca	33.1						
Potassium SAR ppm K	4.94						
Magnesium SAR ppm Mg	13.2						
Sodium SAR ppm Na	6.62						
Sulfur % pyritic S	0.02	X					
Acid Potential tons $CaCO_3$/1000 tons	0.48						
Ca Carbonate %$CaCO_3$	11.7						
Neutralization Pot. tons $CaCO_3$/1000 tons	117						
Acid Base Potential tons $CaCO_3$/1000 tons	117						Good

Notes: