OGMCOAL DNR <ogmcoal@utah.gov>

RE: 0070035 SCA Soil and Spoils samples

1 message

Rusty Netz <rusnetz@hotmail.com> Tue, Nov 27, 2012 at 2:33 PM
To: Priscilla Burton <priscillaburton@utah.gov>, ogmcoal@utah.gov

Priscilla,

I am getting ready to send off a excess spoils composite sample for testing. This is spoils material not soil material. I would like to send it to the lab at BYU (Bruce Webb). Again I was trying to recall the exact tests you would like for excess spoils material. And can the lab at BYU perform those tests?

The BYU lab did do the required tests for soil material for us but I have not sent excess spoil material there before.

Rusty Netz
Sunnyside Cogen.
(435)888-4476 ext. 107

> Date: Mon, 25 Apr 2011 16:10:18 -0600
> From: priscillaburton@utah.gov
> To: rusnetz@hotmail.com; OGMCOAL@utah.gov
> Subject: 0070035 SCA Soil and Spoils samples
>
> Hello Rusty,
>
> The attached guidelines spell out the recommended test parameters for suitability analysis. Please run the analyses described in Tables 3 and 7 on the coal waste, the overburden/substitute topsoil, and the excess spoil. Suggested methods for other analyses are listed in the tables. Suitability is evaluated as described in Tables 4 and 8 for each parameter, based upon the use of the suggested analyses.
>
> The important thing for the lab to know is that we are looking for plant available metals and minerals. i.e. water extractable selenium, boron, sodium, calcium and magnesium rather than a Total Metals analysis, because the Total Metals does not portray an accurate picture of plant available minerals.
>
> These guidelines also provide a little background information on each parameter. Acid base accounting should be performed on As described in section C.1. of the guidelines, the calculation of Sodium Adsorption Ratio (SAR) must be done using the results of saturated paste (or 1:1) extraction with water. The equations for calculation of SAR are provided in Section C.1.e of the Guidelines.
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> The following labs routinely run these agronomic methods:
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> Intermountain Laboratory in Sheridan Wyoming
> http://www.intermountainlabs.com/index.html
>
> Colorado State University Lab in Ft. Collins
> http://www.ext.colostate.edu/pubs/crops/00507.html
>
> BYU Soil and Plant Analysis Lab 801-422-2760 or bruce_webb@byu.edu
>
> Energy Labs in Billings
> http://www.energylab.com/default.aspx