



OGMCOAL DNR <ogmcoal@utah.gov>

Fwd:0150015 Emery mine soil sampling locations and method for SAR

Priscilla Burton <priscillaburton@utah.gov>
To: OGMCOAL DNR <ogmcoal@utah.gov>

Thu, Mar 12, 2015 at 2:52 PM

This email provides the locations for the soil sampling conducted at the three reclamation locations this winter.

----- Forwarded message -----

From: **Jensen, Russel** <RusselJensen@consolenergy.com>
Date: Thu, Mar 12, 2015 at 2:39 PM
Subject: RE: method for SAR
To: "Knoop, Karla" <karla.knoop@stantec.com>, "Priscilla Burton (priscillaburton@utah.gov)" <priscillaburton@utah.gov>

Thanks Karla, I will forward this on. I hope the following makes sense.

Regraded osmosis pond #4 samples SS-1-6 and SS-1-12 is W111 15.674' N38 51.791'

Undisturbed osmosis pond #4 samples SS-2-6 and SS-2-12 is W111 15.685' N38 51.827'

Regraded subsoil pile near pond #6 samples SS-3-6 and SS-3-12 is W111 16.867 N38 52.608'

Regraded topsoil pile near pond #6 samples SS-4-6 and SS-4-12 is W111 16.833 N 38 52.607'

Regraded subsoil berm near pond #1 samples SS-5-6 and SS-5-12 is W111 16.280 N 38 51.948'

Roughened subsoil berm near pond #1 samples SS-6-6 and SS-6-12 is W111 16.286 N 38 51.946'

Also the duplicate sample which is labeled SS-7-12 is a duplicate of SS-4-12 with the same coordinance.

From: Knoop, Karla [mailto:karla.knoop@stantec.com]
Sent: Thursday, March 12, 2015 12:01 PM
To: Jensen, Russel
Subject: method for SAR

Hi Russel,

Here is an attachment with the lab's method description for SAR. I figured that Priscilla might appreciate seeing the method sheet including calculation protocol directly as the lab has it, rather than us just excerpting or providing a summary of it. If she needs anything else related to this (other than the site map), feel free to let us know. FYI, the SARs reported are overall fairly high in most of the samples, which indicates that they might not pass muster for topsoil. Probably no surprise – gotta love that Mancos Shale!

Thanks,

Karla Knoop

Environmental Scientist
Stantec

8160 South Highland Drive Suite A4 Sandy UT 84093-7402

Phone: (801) 943-4144 x 1145

Fax: (801) 942-1852

karla.knoop@stantec.com



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220K