

OGMCOAL - Re: Fw: Oil and Grease Sampling at Savage Coal Terminal

From: April Abate
To: Dan Guy
Date: 11/2/2011 11:58 AM
Subject: Re: Fw: Oil and Grease Sampling at Savage Coal Terminal
CC: Karla Knoop; OGMCOAL@utah.gov; Pete Hess
Attachments: April Abate.vcf

Hi Dan,

Thanks for forwarding the results my way. I think that we should continue to keep an eye on the data and see if any uptick in the oil and grease is attributed to a seasonal flux, or something we observe when we have a higher water table. From what I can tell, there is no correlation in higher concentrations of oil and grease to a higher water table thus far. At this point, I would be most concerned about whether or not this stuff is migrating offsite. The MRP talks about a swamp area east of the railroad tracks near former well CV6W. The plan states that this area is considered a groundwater discharge area for water beneath the Savage Coal Terminal. The gradient from the old wells was reported to be to the northeast, so that puts this swamp directly downgradient of S-2-GW. Map 7-7 is the only map in Chapter 7 showing the reclaimed wells (this map should be referenced in the text so that the reader can easily find where the wells are on the map).

I think what I would like to do is come out with your samplers during their November event so that I can take a look at the water quality coming out of S-2-GW and I would also like to explore that wetland area discussed in the plan and possibly collect a sample there if there is any standing water present. Can you let me know when the November event is scheduled?

Thanks very much Dan,

April

April A. Abate

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Starting Tuesday, September 6, 2011, our agency hours will be

8am-5pm, Monday-Friday.

>>> Dan Guy <blackhawk2422@yahoo.com> 10/27/2011 11:16 AM >>>

Hi, April:

This is the latest information on the oil & grease samples from well S-2-GW. It does look like things have settled down, and hopefully, there won't be any more problems. We will do the regular sampling in November, so that will give us another check on things. We will go back to using SGS for the regular samples. Let me know if you have any questions.

Thanks,

Dan

----- Forwarded Message -----

From: Karla Knoop <kknoop@jbrenv.com>
To: Dan Guy <blackhawk2422@yahoo.com>
Sent: Friday, October 21, 2011 9:41 AM
Subject: RE: Oil and Grease Sampling at Savage Coal Terminal

Hi Dan,

We received the October oil & grease sample from Savage's S-2-GW, taken on October 13th. American West Analytical Lab reported oil & grease concentration to be 3.76 mg/L. (This lab's reporting limit was 3.0 mg/L, so the result was just over that concentration; SGS's typical reporting limit for oil & grease is 5.0 mg/L, so they would have reported this result as <5 mg/L.) Perhaps the problem has resolved itself.

Jamey was not able to use either of our pumps on the well, so he was not able to pump it dry before sampling. But, he did bail twice as much volume as the normal 3-well volume that we usually bail, in an attempt to flush more solids out. Also, by probing the bottom, his assessment is that there is not a significant amount of solids residing on the bottom of the well.

Regarding the GS plots from the September sample, our assessment was that the graph was not inconsistent with coal particles, however as I mentioned before, the concentration of material was so low that it is difficult to interpret the plot with certainty.

Unless I hear differently, we will plan to revert back to SGS labs for November, and will collect the full suite of bottles for the normal biannual sampling parameters.

Please let me know if you, Garth, or DOGM folks have any questions.

Karla

*Karla Knoop, hydrologist
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From: Dan Guy [mailto:blackhawk2422@yahoo.com]
Sent: Thursday, September 29, 2011 8:16 PM
To: April Abate
Cc: Pete Hess; Garth Nielsen; Karla Knoop
Subject: Oil and Grease Sampling at Savage Coal Terminal

Hi, April:

Per your request, I am sending this e-mail to summarize our conversation and plans for further sampling of Well S-2-GW at the Savage Coal Terminal.

As I indicated, the well was resampled for oil and grease on Sept. 14, 2011. The sample was sent to American West Analytical Laboratories in SLC.

The results came back at 4.86 mg/l oil and grease, with total recoverable hydrocarbons of 3.26 mg/l. This lab has a lower detection limit on oil and grease than the lab we normally use- SGS has a detection limit on oil and grease of 5 mg/l. This sample is being further analyzed to determine the source of the hydrocarbons. Karla Knoop says they are going to do a graph which will give a better estimate of the type of material, including the possibility of it being from coal particles.

Savage Services has agreed to have JBR take another sample from this well for oil and grease in October. We have asked JBR to pump the well prior to sampling to reduce the possibility of coal

particle contamination. This sample will also be sent to American West Labs, since they can do a more precise test for oil and grease. Assuming the results of this sampling are within acceptable limits, JBR will do the normal bi-annual sampling of the site, including this well in November.

We will keep you informed of the results of the sampling. Please let me know if you have any questions.

Thank You,

Dan