



OGMCOAL DNR <ogmcoal@utah.gov>

Re: West Ridge- Seismic Monitoring at Grassy Trail Reservoir

2 messages

Steve Christensen <stevechristensen@utah.gov>
To: "Madsen, Karin" <kmadsen@coalsource.com>
Cc: OGMCOAL DNR <ogmcoal@utah.gov>

Mon, Aug 10, 2015 at 4:35 PM

Hi Karin,

I wanted to check in and see what you found out about the monitoring at Grassy Trail. What have you been able to find out?

Steve

On Fri, Jul 31, 2015 at 10:19 AM, Madsen, Karin <kmadsen@coalsource.com> wrote:

Steve-

I've got people on this as we speak. It looks like we may have had an oversight on sending this information, but we've talked to RB&G Engineering and they have the information and are compiling it into a report now. He said by early next week he will have something put together for us that I can send you.

I am not sure who this information needs to be reported to, and how often; do you know?

Thanks

Karin

From: Steve Christensen [mailto:stevechristensen@utah.gov]
Sent: Thursday, July 30, 2015 5:40 PM
To: Madsen, Karin
Cc: Bret Dixon; David Marble; OGMCOAL DNR
Subject: West Ridge- Seismic Monitoring at Grassy Trail Reservoir

Hi Karin,

I've got a couple questions about Grassy Trail Reservoir. I had a conversation with Bret Dixon from UT Dam Safety this afternoon about the seismic monitoring requirements for the Grassy Trail Reservoir. We're unsure as to when the last time monitoring was done.

Per the West Ridge MRP, the same frequency and scope of monitoring was to be conducted during the mining of panel blocks 18 through 21 as was done during the mining of Panel 7. The monitoring is spelled out on pages 5-29 and 5-30 in Chapter 5 as well as in Appendix 5-13A. I've attached the specific language from Appendix 5-13A.

So my questions at this point would be: 1) Was the monitoring conducted? 2) If it was conducted, was the data submitted to the respective agencies? and 3) If the monitoring wasn't conducted, was there a reason for that?

The reason I ask is that last question is because of some language on the 3rd page of what I attached. Under "Note 1" it discusses how if Dam Safety, DOGM, BLM, East Carbon City and Sunnyside City reached a consensus, a determination could be made to "reduce, modify and/or eliminate the various elements of the monitoring program".

If such a consensus was formulated, I'm not aware of it and Bret Dixon didn't mention it this afternoon.

Let me know what you can find out on your end and we'll go from there.

Thanks Karin,

Steve

p.s. I hope you had a fun and relaxing honeymoon.

—

Steve Christensen
Utah Division of Oil, Gas and Mining
1594 W North Temple, Suite 1210
Salt Lake City, Utah 84116
(801) 538-5350
stevechristensen@utah.gov

—

Steve Christensen
Utah Division of Oil, Gas and Mining

1594 W North Temple, Suite 1210
Salt Lake City, Utah 84116
(801) 538-5350
stevechristensen@utah.gov

Steve Christensen <stevechristensen@utah.gov>
To: "Madsen, Karin" <kmadsen@coalsource.com>
Cc: OGMCOAL DNR <ogmcoal@utah.gov>

Wed, Aug 12, 2015 at 7:52 AM

Hi Karin,

Thanks for the information. So RBG has been conducting the seismic monitoring continuously (i.e. there weren't any gaps)?

Steve

On Tue, Aug 11, 2015 at 2:25 PM, Madsen, Karin <kmadsen@coalsource.com> wrote:

Steve- They are still compiling data for us, but I did run a report that we keep for the seismic data, and I've attached it. It shows November 2013 to present. As soon as he gets me something more official, I'll send it your way. Thanks for your patience!

KM

From: Steve Christensen [mailto:stevechristensen@utah.gov]
Sent: Monday, August 10, 2015 4:36 PM
To: Madsen, Karin
Cc: OGMCOAL DNR
Subject: Re: West Ridge- Seismic Monitoring at Grassy Trail Reservoir

[Quoted text hidden]

[Quoted text hidden]



OGMCOAL DNR <ogmcoal@utah.gov>

West Ridge Seismic Monitoring

3 messages

Steve Christensen <stevechristensen@utah.gov>

Wed, Aug 19, 2015 at 9:11 AM

To: Karin Madsen <kmadsen@coalsource.com>

Cc: OGMCOAL DNR <ogmcoal@utah.gov>

Hi Karin,

What's the word from RB&G and the Grassy Trail seismic monitoring?

Steve

—

Steve Christensen

Utah Division of Oil, Gas and Mining

1594 W North Temple, Suite 1210

Salt Lake City, Utah 84116

[\(801\) 538-5350](tel:(801)538-5350)stevechristensen@utah.gov

Steve Christensen <stevechristensen@utah.gov>

Mon, Aug 24, 2015 at 3:36 PM

To: Karin Madsen <kmadsen@coalsource.com>

Cc: OGMCOAL DNR <ogmcoal@utah.gov>, Bret Dixon <bretdixon@utah.gov>, David Marble <davemarble@utah.gov>

Hi Karin,

I tried giving you a call earlier today. I just wanted to follow up again and see what you've learned relative to the seismic monitoring at Grassy Trail Reservoir. Please give me a call when you get a chance.

Thanks,
Steve

[Quoted text hidden]

Steve Christensen <stevechristensen@utah.gov>

Mon, Aug 24, 2015 at 5:54 PM

To: "Madsen, Karin" <kmadsen@coalsource.com>

Cc: OGMCOAL DNR <ogmcoal@utah.gov>

Hi Karin,

Thanks for getting back to me. It's been several weeks now since this seismic monitoring issue came up. At this point, I'd at least like to know whether the monitoring was done according to plan or not? Certainly Brad at RB&G can answer that question now.

Please call me when you get a chance.

Thanks,
Steve

On Mon, Aug 24, 2015 at 3:44 PM, Madsen, Karin <kmadsen@coalsource.com> wrote:

Hey Steve-

So sorry I haven't gotten back to you yet, I got your voicemail and immediately called RB&G. Brad was not available so I left him another message. I'm so sorry... I'm trying to get an answer for you. I just sent him an email to see if he responds to that.

From: Steve Christensen [mailto:stevechristensen@utah.gov]

Sent: Monday, August 24, 2015 3:37 PM

To: Madsen, Karin

Cc: OGMCOAL DNR; Bret Dixon; David Marble

Subject: Re: West Ridge Seismic Monitoring

[Quoted text hidden]

[Quoted text hidden]



OGMCOAL DNR <ogmcoal@utah.gov>

Re: Seismic Monitoring at Grassy Trail

1 message

Steve Christensen <stevechristensen@utah.gov>
To: "Madsen, Karin" <kmadsen@coalsource.com>
Cc: OGMCOAL DNR <ogmcoal@utah.gov>

Mon, Aug 24, 2015 at 5:54 PM

Thanks Karin.

On Mon, Aug 24, 2015 at 5:17 PM, Madsen, Karin <kmadsen@coalsource.com> wrote:

Steve, see below

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

From: Brad Price <Bprice@rbgengineering.com>
Date: 08/24/2015 4:31 PM (GMT-07:00)
To: "Madsen, Karin" <kmadsen@coalsource.com>
Subject: Re: Seismic Monitoring at Grassy Trail

Hi Karin,
Michael has gotten me his project reports and we're summarizing the piezometers. I should be able to get you a report tomorrow afternoon.
Brad

BRADFORD E. PRICE, P.E.
Principal Geotechnical Engineer

RB&G ENGINEERING, INC.

1435 West 820 North, Provo, UT 84601

ph: [801-374-5771](tel:801-374-5771) fax: [801-374-5773](tel:801-374-5773)

bprice@rbgengineering.com

>>> "Madsen, Karin" <kmadsen@coalsource.com> 8/24/2015 4:16 PM
>>>

Good Afternoon Brad –

I tried calling you this afternoon, however you were out. I just wanted to touch bases with you regarding the Seismic Monitoring at grassy Trail. DOGM has been in contact with Dam Safety and they are leaning on him pretty hard to get the info Michael has been working on. Do you know how close he is to getting a report to me?

Sorry to be such a pain. I appreciate your hard work!

Karin Odendahl-Madsen

Engineering Technician

UtahAmerican Energy Inc.

[435-888-4026](tel:435-888-4026)

This email has been scanned by the Symantec Email Security.cloud service.

For more information please visit <http://www.symanteccloud.com>

—
Steve Christensen
Utah Division of Oil, Gas and Mining
1594 W North Temple, Suite 1210
Salt Lake City, Utah 84116
[\(801\) 538-5350](tel:8015385350)
stevechristensen@utah.gov