

From: [BJ Kristiansen](#)
To: [Matthew Kunze](#)
Subject: RE: Brook Mine permit application
Date: Tuesday, June 03, 2014 8:52:49 AM

Exhibit 54

Matt,

We have been in communication with RAMACO pretty continuously for the past year and it does look like the August time frame for the application is still a possibility. There are some problems with surface owner consent which will change the permit boundary significantly, depending on the outcome of land negotiations. A CHIA will be an interesting exercise in modeling as the mine is surrounded by old, abandoned underground mines as well as a series of NE-SW trending faults that chop up the lithology. AND the Tongue River flows through the area. AND this is an underground mine. I was the geologist at the Bighorn Coal mine back in the late 1980's and groundwater was always difficult to deal with as our models fell apart when viewing the groundwater regime at any distance over about a mile. Good times. We'll have fun.

From: Matthew Kunze [mailto:matthew.kunze@wyo.gov]
Sent: Tuesday, June 03, 2014 7:46 AM
To: Bj Kristiansen
Subject: Brook Mine permit application

Hi BJ,

I read the story in the Casper paper about Ramaco's Brook Mine application, and the story mentioned the application may be submitted in August. Just wanted to see if that is your understanding; I am curious since we will need to schedule working on the CHIA for it later in the year.

Thanks, Matt

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