

Conversation Contents

Kirkland Tuff Quarry

"Cave, Shelby" <scave@blm.gov>

From: "Cave, Shelby" <scave@blm.gov>
Sent: Mon Nov 21 2016 15:14:49 GMT-0700 (MST)
To: DONALD.BURT@asu.edu
Subject: Kirkland Tuff Quarry

Hi Don,
How are you? I have decided to part ways with FMI, and am moving back to Phoenix. I accepted a job as the locatable minerals geologist at the BLM Hassayampa Field office in Deer Valley. I actually really like it here :)

I just started but tomorrow I have a field visit (and next week I have a conference) about Kirkland Mining Company's push to reopen the Kirkland Tuff Quarry. Wasn't that one of your stops in your Ore Genesis class? Do you know any publications about it other than the county geologic maps, etc.? I found some references in the state survey about the history, including cat litter and oil adsorbent mining, and about the Capital Quarry using the indurated lapilli stone as facade fronts on buildings in Prescott and Phoenix. That's pretty interesting :)

So, is that the same/similar type of unstructured devitrification clay(s) as the Bagdad rhyolite deposit? I've seen a few pictures and it looks like at least three distinctive layers so it may not be a related deposit. Also, how carcinogenic is the average asbestos-form erionite? I read that one deposit in Turkey is linked to higher cases of lung cancer. The local townspeople have raised some concern about its reported presence, but I don't know if it is actually there or if so, how common it is. I am actually more concerned about silicosis and may request that they adequately treat in hazards to the public and to their workers from that in their EA.

I asked if I could justify a visit to ASU for research but that's not covered, but I am allowed to consult :) Just FYI my office phone is 623.580.5639 but I will be out there tomorrow.

How are things at ASU? Hope you are well!

Talk to you soon,
Shelby

Donald Burt <DONALD.BURT@asu.edu>

From: Donald Burt <DONALD.BURT@asu.edu>
Sent: Mon Nov 21 2016 15:33:59 GMT-0700 (MST)
To: "Cave, Shelby" <scave@blm.gov>
Subject: Re: Kirkland Tuff Quarry