Message

From: Andrew Baris [abaris@rouxinc.com]
Sent: 6/20/2016 9:50:45 PM
To: Cirian, Mike [Cirian.Mike@epa.gov]
CC: John.Stroiazzo@glencore-ca.com; Steve Wright - CFAC [swright@cfaluminum.com]; lidewitt@mt.gov; cowen@mt.gov; Hoogerheide, Roger [Hoogerheide.Roger@epa.gov]; repinedl@cdmsmith.com; Michael Ritorto [mritorto@rouxinc.com]; Amy Hoffmann [ahoffmann@rouxinc.com]
Subject: Proposed Deep Well CFMW-23a
Attachments: removed.txt; image002.jpg; image003.jpg; image004.jpg; image005.jpg

Mike: As discussed, during the drilling of the borehole for deep well CFMW-23a we encountered fine grained sedimentary bedrock at a depth of 148 ft. We drilled approximately 33 ft into the rock, and no water bearing zones were encountered. Above the dry rock, the unconsolidated deposits in the boring were wet from 116 ft down to the top of the rock. Note that existing shallow well Cfmw-23 (15 ft from the borehole for Cfmw-23a) is screened from 136 to 146, and recently had a measured depth to water of 113, which is expected to decline as the dry weather sets in).

Based on these findings, regarding the shallow depth to rock, the limited saturated thickness of unconsolidated deposits, and the screen setting of the existing well; it does not make sense to install a well at location CFMW-23a. Therefore we are planning to grout the borehole in accordance with our approved procedure for abandoning boreholes. As discussed, we will complete a field modification form once the final form has been developed, in the interim we would appreciate if you could provide an email concurrence with the proposed approach. Feel free to call or email with any questions.

Regards,

Drew

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