From: Valdez, Heather
To: Zach Hedgpeth (Hedgpeth.Zach@epa.gov); "David A. Weeks"; Bartus, Dave; Palumbo, Janice
Subject: some helpful background to understand generation, barometric influence, when TMP extraction was used
Date: Monday, June 27, 2016 5:39:00 PM
Attachments: image002.png
image003.png
image004.png
image005.png
image006.png
image007.png
10-22-14 Reconfiguration of GES Units Operating at Pond 15S.pdf
2015-04-17 rev. 2 Pond 15S APPENDIX B PH3 Generation Estimate.pdf

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Hi all, I have some more info to share that I have turned up regarding generation and extraction

David Weeks, I was not sure if you saw this material in the past.

In the reconfiguration document there is an analysis of how to respond to some very high PH3 concentrations in the standpipes, above 20,000ppm, gives some helpful understanding of the pond extraction system and how they scale it and deploy it as needed to respond. They present ideas they have about how they think activities might affect the zones of influence and pressure gradients from the extraction points. This also shows some analysis or acknowledgment of the barometric pressure influence. Also it shows how they can extract from a TMP if needed.

In Figure 1 of this document, the standpipe labeled West, removed 11/2/11, is the standpipe that I was just out there to witness them repairing, now referred to as the northwest standpipe. This makes a total of three standpipes now on Pond 15S.

I have also attached another document with some calculations presented that attempt to describe generation

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