Message

From: Hughes, Adam (IHS/PHX) [Adam.Hughes@ihs.gov]
Sent: 8/9/2013 6:59:54 PM
To: lpuhuyesva@hopi.nsn.us; Lee, Bessie [Lee.Bessie@epa.gov]; bbettenberg@homerlaw.com; eldine.stevens@bia.gov; jshomaker@shomaker.com; UMowa@hopi.nsn.us
CC: Felter, Marcus J (IHS/PHX) [Marcus.Felter@ihs.gov]; Lorenz, Robert (IHS/PHX) [Robert.Lorenz@ihs.gov]; Heintzman, Tom (IHS/PHX) [Tom.Heintzman@ihs.gov]; Matson, Eric (IHS/PHX) [Eric.Matson@ihs.gov]; brad.rea@ihs.gov; Hamilton, John (IHS/PHX) [John.Hamilton@ihs.gov]; VanVleet, Joshua (IHS/PHX) [joshua.vanvleet@ihs.gov]
Subject: RE: HAMP well drilling update
Attachments: Turquoise Trail Well 2 arsenic result - middle n aquifer sample zone.pdf; Turquoise Trail Well 2 arsenic result - lowest sample zone.pdf

I omitted to attach the document. Both well results are now attached, for your reference.

Adam

From: Hughes, Adam (IHS/PHX)
Sent: Friday, August 09, 2013 11:48 AM
To: lpuhuyesva@hopi.nsn.us; Lee, Bessie (Lee.Bessie@epa.gov); bbettenberg@homerlaw.com; sfritz@shomaker.com; 'vern@yjdrilling.com'; eldine.stevens@bia.gov; lidennis@hopi.nsn.us; jshomaker@shomaker.com; umowa@hopi.nsn.us
Cc: Felter, Marcus J (IHS/PHX); Lorenz, Robert (IHS/PHX); Heintzman, Tom (IHS/PHX); Matson, Eric (IHS/PHX); Rea, Brad (IHS/PHX); Hamilton, John (IHS/PHX); VanVleet, Joshua (IHS/PHX)
Subject: FW: HAMP well drilling update

HAMP Well Drilling Update:

Excuse me for sending out three updates this week, but I know a lot of folks have been waiting anxiously for the arsenic results from the newly drilled Turquoise Trail Well #2. Attached is the second result, from the middle of the N aquifer, which was lab tested at 0.0041 mg/L of arsenic. Again, this result is less than half of the EPA maximum contaminant level for arsenic.

Thanks to Yellow Jacket Drilling for expediting the arsenic results. Full water quality results from each of the four zones sampled will be expected in the next 3-5 weeks.

Arsenic results from the upper N aquifer and from the D aquifer are expected next week. I'll forward those results as I receive them.

Regards,

From: Hughes, Adam (IHS/PHX)
Sent: Tuesday, August 06, 2013 1:11 PM
To: lpuhuyesva@hopi.nsn.us; Lee, Bessie (Lee.Bessie@epa.gov); bbettenberg@homerlaw.com; sfritz@shomaker.com; 'vern@yjdrilling.com'; eldine.stevens@bia.gov; lidennis@hopi.nsn.us; jshomaker@shomaker.com
Cc: Felter, Marcus J (IHS/PHX); Lorenz, Robert (IHS/PHX); Heintzman, Tom (IHS/PHX); Matson, Eric (IHS/PHX); Rea, Brad (IHS/PHX); Hamilton, John (IHS/PHX); VanVleet, Joshua (IHS/PHX)
Subject: RE: HAMP well drilling update

HAMP Well Drilling Update:

The first arsenic result for the Turquoise Trail Well #2 is attached. The arsenic concentration was 0.0046 mg/L, which is just less than half the EPA maximum contaminant level of 0.01 mg/L. This arsenic result is from the lowest of four zones to be sampled. The subsequent arsenic results for the other three zones will be expected within the next two

weeks. Each of the four water quality samples collected will be analyzed for the full suite of EPA regulated contaminants. The full results for all EPA regulated contaminants will take up to another 30 days to be reported.

Considering the acceptable arsenic result, reaming of the Turquoise Trail Well #2 borehole out to its full 18-inch diameter may commence as early as this weekend.

Regards,

From: Hughes, Adam (IHS/PHX)
Sent: Monday, August 05, 2013 3:14 PM
To: lpuhuyesva@hopi.nsn.us; Lee, Bessie (Lee.Bessie@epa.gov); bbettenberg@homerlaw.com; sfritz@shomaker.com; 'vern@yjdrilling.com'; eldine.stevens@bia.gov
Cc: Felter, Marcus J (IHS/PHX); Lorenz, Robert (IHS/PHX); Heintzman, Tom (IHS/PHX); Matson, Eric (IHS/PHX); Rea, Brad (IHS/PHX); Hamilton, John (IHS/PHX)
Subject: HAMP well drilling update

HAMP Well Drilling Update:

The water quality sampling effort at the Turquoise Trail Well #2 is still in progress. The well drilling scope of work called for three zones within the N aquifer and one zone within the D aquifer to be sampled for the full suite of EPA regulated contaminants. Water samples were collected Sunday July 28th from the first and lowest zone of the N aquifer and delivered to the lab. The arsenic results from that sample are expected within the next day or two. The second and middle zone of the N aquifer was sampled yesterday morning and the samples delivered to the lab. The third and uppermost zone within the N aquifer is being prepared now for sampling, with water samples expected to be collected this evening, and the samples delivered to the lab tomorrow morning. The last sampling zone, within the D aquifer, will likely be collected on Wednesday. Once arsenic results have been reported to me I'll provide another update to the group.

If anyone has questions regarding the drilling or water sampling process, I'd be happy to answer any questions.

Regards,

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Indian Health Service
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