Message

From: d'Almeida, Carolyn K. [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9EC4401AFA1846DD93D52A0DDA973581-CDALMEID]
Sent: 7/13/2016 4:57:08 PM
To: Davis, Eva [Davis.Eva@epa.gov]
CC: Dan Pope [DPope@css-dynamac.com]
Subject: FW: Williams AFB ST012 Conference Call Information
Attachments: ST012 Perimeter Well Sample Results_April 2016.pptx; ATT00001.htm; ST012 Baseline Sampling_Existing Wells.pptx; ATT00002.htm; ST012 Well Network w new wells.pptx; ATT00003.htm

Eva

Are you available for a call at 11:00 am PST, 1 CST to discuss this response that just came in from Phil? We'll call you

Carolyn

From: Herrera, Angeles
Sent: Wednesday, July 13, 2016 9:52 AM
To: d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>; Henning, Loren <Henning.Loren@epa.gov>; Butler, Thomas <Butler.Thomas@epa.gov>; Levine, Herb <Levine.Herb@epa.gov>
Cc: Kwok, Frances <Kwok.Frances@epa.gov>
Subject: Fwd: Williams AFB ST012 Conference Call Information

FYI..if possible, please review for our 11:00 am.

Frances: please print email and attachment. Thxs

Sent from my iPhone

Begin forwarded message:

> **From:** "MOOK, PHILIP H JR GS-15 USAF AFCEC AFCEC/CIBW" <philip.mook@us.af.mil>
> **Date:** July 13, 2016 at 9:47:23 AM PDT
> **To:** "Herrera, Angeles" <Herrera.Angeles@epa.gov>, Tina LePage <LePage.Tina@azdeq.gov>
> **Subject: FW: Williams AFB ST012 Conference Call Information**
>
> Ms. Herrera and Ms. LePage,
>
> A follow up item from Monday's discussion was to provide information on recent perimeter will sampling. The attached figure, ST012 Perimeter Well Sample Results, shows the most recent results available, April 2016. There is a slight groundwater gradient from west to east (left to right on the figure). Thirteen perimeter wells were sampled and none of the downgradient results exceed the benzene MCL. Based on a verbal report from Amec, sampling results from May also do not exceed the MCL in downgradient perimeter wells. This data will be posted to the project's Sharepoint in the very near future. Samples from existing wells in the SEE treatment area and the recently installed perimeter wells are being collected, and results

will be presented at the 18 August BCT teleconference. As discussed, 23 wells were added to update the post-SEE characterization, EBR model, and fill in gaps in our sampling network. See attached figures for existing (ST012 Existing Baseline Sampling) and new wells (ST012 Well Network w new wells) being sampled in addition to the ongoing perimeter well sampling.

During our teleconference, it became apparent we did not share the understanding the ST012 SEE/EBR remedy was selected with the knowledge there would be LNAPL remaining outside the SEE treatment zones after SEE. The coverage and implementation of the selected SEE treatment zones was limited by technical, logistical and safety considerations associated with the surrounding property. With this said, the SEE remedial action did close down portions of three roads and the airport's taxi/cell phone parking lot. The limitations on SEE implementation and the presence of LNAPL outside the SEE treatment zones are documented in the FFS, and in the RD/RA Work Plan finalized in 2014 before SEE implementation. EBR was selected to address the dissolved contamination remaining after SEE; both inside and outside the SEE treatment zones. EBR will also have effects on remaining LNAPL, most significantly, in its ability to address dissolved contaminants resulting from LNAPL dissolution. LNAPL dissolution will likely be enhanced by EBR.

Based on the mass estimates presented in the 2014 RD/RA Work Plan for LNAPL mass remaining outside the SEE treatment zones, the Work Plan presented a model predicting the remedial objectives will be achieved within our ROD's estimated remedial timeframe. Based on the mass removed during SEE operation and estimated remaining mass, our predictions and progress remain consistent with the model. Our plan has always been to update the model utilizing the post-SEE site conditions and the observed effectiveness of the EBR remedial phase.

I will be traveling to Phoenix for next week's meeting. I understand the meeting will be at ADEQ's office. At the 1110 West Washington Street address? Anything I should know that will help me with parking and/or access?

If there are items or information you would like me to consider before next week's meeting, please let me know.

V/R

//SIGNED//

Philip H. Mook, Jr., P.E.
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