Message (Digitally Signed)

From: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW [catherine.jerrard@us.af.mil]
Sent: 8/29/2018 2:19:42 PM
To: d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]
CC: 'Wayne Miller' [Miller.Wayne@azdeq.gov]; Davis, Eva [Davis.Eva@epa.gov]; 'Brasaemle, Karla' [KBrasaemle@TechLawInc.com]; steve@uxopro.com
Subject: RE: 2018-8-28 - WAFB -ADEQ input -EPA Proposed benzene characterization Well Locations -7-3-2018 & 8-21-2018- ST012 pre-EBR-
Attachments: smime.p7s

Thanks Carolyn, a future call sounds good.

Cathy

//SIGNED//
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From: d'Almeida, Carolyn K. [mailto:dAlmeida.Carolyn@epa.gov]
Sent: Tuesday, August 28, 2018 1:38 PM
To: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>
Cc: 'Wayne Miller' <Miller.Wayne@azdeq.gov>; Davis, Eva <Davis.Eva@epa.gov>; 'Brasaemle, Karla' <KBrasaemle@TechLawInc.com>
Subject: [Non-DoD Source] FW: 2018-8-28 - WAFB -ADEQ input -EPA Proposed benzene characterization Well Locations - 7-3-2018 & 8-21-2018- ST012 pre-EBR-

Hi Cathy

Please see the input below from ADEQ on the proposed locations for additional ST12 wells from our July 3 letter. Once you have an agreement in place we should schedule a call with the team to finalize the locations. Thank you for following up on this.

Carolyn d'Almeida
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Federal Facilities Branch (SFD 8-1)
US EPA Region 9 Laboratory
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Richmond, CA 94804
(415) 972-3150

"Because a waste is a terrible thing to mind..."

From: Wayne Miller [mailto:Miller.Wayne@azdeq.gov]
Sent: Tuesday, August 28, 2018 10:12 AM
To: d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>
Cc: steve <steve@uxopro.com>
Subject: 2018-8-28 - WAFB -ADEQ input -EPA Proposed benzene characterization Well Locations -7-3-2018 & 8-21-2018-ST012 pre-EBR-

Carolyn – Please find below ADEQ's input on EPA's requested benzene characterization well locations.

ADEQ and UXO Pro, Inc. reviewed the ST012 Containment Plan figures that were forwarded 8-21-2018 via email. The figures illustrate proposed wells that were referenced in a July 3, 2018 EPA-authored letter to Catherine Jerrard, AFCEC/CIBW, requesting U.S. Air Force *Demonstration of Hydraulic Containment at ST12 Fuels Spill Site, Former Williams Air Force Base, Mesa Arizona.* ADEQ received the letter copy 7-3-2018 via email.

ADEQ and UXO Pro, Inc. offer the following:

1. **Cobble Zone:** Location and prioritization are okay, with consideration to move EPA's priority #4 well southeast to the ST012 site's physical boundary to close a gap between offsite wells C02 and CZ24.
2. **UWBZ:** Wells 1, 2, and 4 prioritization is okay. Consider moving well #1 farther north. Alternatively, an UWBZ perimeter characterization well location could include a well or wells at the same locations as the downgradient CZ wells beyond CZ23. Given the increased concentrations in CZ23, one might expect a similar increase in the UWBZ here. Added wells may not be required east of Sossaman Road, if we consider wells RB-3A and U38 have been <1 ppb benzene since 2011 and UWBZ38 has been <1 ppb benzene since it was installed.
3. **LSZ:** Well locations 1, 2, and 5 are okay. Given the SB18 soil boring east of Sossaman Rd., an LSZ well at the sol boring SB18 location or farther downgradient (east) could be critical to close a data gap between LSZ45 and LSZ55. The Field Variance Memo 4, Attachment 4 could be used to support well installation justification.

Thanks.
Wayne Miller
Waste Programs Division,
Remedial Projects Section,
Federal Projects Unit

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