From:	Williams, Jonathan
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Cc:	Dave Heineck; Rob Hartman; Boyd, Andrew; Sheldrake, Beth; McDonnell, Kimberlee
Subject:	RE: Proposed locations of monitoring wells
Date:	Friday, January 08, 2016 7:54:29 PM
Attachments:	EMF RI Section 3_3 Figures.pdf image002.png

Marjo:

Thanks for the telephone discussion this morning. This e-mail confirms and augments the phone conversation you and I had earlier today about these proposed monitoring well locations. On that call, I summarized the teleconference that EPA, the Tribes, and IDEQ had January 7, 2016. That teleconference led to our conclusion that these proposed borings are not needed to test the subsurface extent of the American Falls Lake Bed (AFLB) north of the proposed warehouse location.

The January 7, 2016 telephone discussion between me, Bernie Zavala, Scott Miller, and Kelly Wright was the first opportunity we had to compare notes after the December 23, 2015 teleconference between FMC, EPA, the Tribes, and IDEQ. After that teleconference with FMC we separately reviewed the borehole log information provided by FMC shortly before the call, additional borehole log information from the EMF RI, and an interpretive EMF RI cross section (C-C' in the attachment) we had not previously reviewed. That cross section was described to us by Rob Hartman of MWH during the teleconference December 23, 2015, and served as a key part of our post-teleconference review.

In retrospect, EPA would like to have discussed the information provided and described December 23, 2015 during the teleconference December 17, 2015 or even earlier. I think that would have helped us to sooner reach a common conclusion about the interpreted extent of the AFLB. Looking ahead, EPA expects the location of down-gradient monitoring wells, just beyond the extraction well capture zone, to be determined in response to remedial design extraction well testing.

Thanks again for the call earlier today. Please contact me with any questions.

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Subject: Proposed locations of monitoring wells

Jonathan

During our conference call on December 23, 2015, I proposed installing additional monitoring wells on the north side of Highway 30 to demonstrate the AFLB is continuous and that monitoring wells beyond (down-gradient) of the extraction wells zone of influence will monitor the same hydrogeologic zone. The attached figure from the Draft CERCLA Groundwater Monitoring Plan (CGMP) submitted to EPA with the Intermediate Design submittal on November 27, 2015 has been revised to show 3 additional monitoring wells (551, 552 and 553) on the north side of Highway 30 in addition to new monitoring well 550 proposed in the CGMP. The proposed new wells would be over 700 feet downgradient from the extraction wells and well beyond the potential zone of influence / stagnation point.

The monitoring wells would be installed following the same procedures and SOPs from the Hydrogeologic Characterization Study Work Plan previously approved by EPA. MWH is currently in contact with their drilling subcontractor and have a target schedule to commence field work the week of January 18, 2016.

Please review the attached proposed locations of the monitoring wells and provide comments by Monday, January 11.

Thanks
Marjo

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