From:	Williams, Jonathan
To:	McDonnell, Kimberlee
Subject:	FW: Further discussions regarding the FMC flow model for design of extraction network for Superfund remedy
Date:	Monday, November 23, 2015 5:12:48 PM

From: Zavala, Bernie
Sent: Monday, November 16, 2015 3:12 PM
To: Ross, Randall <Ross.Randall@epa.gov>
Cc: Williams, Jonathan <Williams.Jonathan@epa.gov>
Subject: Further discussions regarding the FMC flow model for design of extraction network for Superfund remedy

Randall,

Jonathan and I call you this afternoon around 2:00 p.m. and you were not in the office. We wanted to discuss in further detail the short conversation we had this morning regarding your second thoughts on the modeling runs that were presented last Friday by MWH/FMC, which took place last Friday 11/13/2015. You mentioned that you would be willing to put together comments that EPA-Region 10 could forward to MWH regarding concerns on what was presented on November 11th, please do so. I also have some concerns and it could of been addressed if I was present during the call or because I didn't hear the narrative that went with the presentation. It looks, from my observation that pumping 505 gpm with 11-extraction wells will not contain the groundwater flow field that needs to be contained and the distributions of "K" map or distribution of known K doesn't match with the updated model. The updated K distributions seem odd. Also, why wasn't a model run performed to determine what was needed to contain all of the flow paths.

I'm available tomorrow from 8:30 a.m. to 10:00 a.m. and then again any time after 12:00 p.m. tomorrow.

Bernie

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