Message

From: Garcia, Sam [Garcia.Sam@epa.gov]
Sent: 1/27/2011 11:49:57 PM
To: Sisk, Richard [Sisk.Richard@epa.gov]
Subject: Fw: VB I-70 OU2 additional data needs

Hey Richard, here is the list that Andrew developed. I scheduled a meeting for next Thursday regarding these comments.

Thanks,

Sam Garcia
EPA Remedial Project Manager
303-312-6247 (work)
303-808-9778 (cell)
garcia.sam@epa.gov

----- Forwarded by Sam Garcia/R8/USEPA/US on 01/27/2011 04:48 PM -----

From: Andrew Schmidt/R8/USEPA/US
To: Sam Garcia/R8/USEPA/US@EPA
Cc: Deborah McKean/R8/USEPA/US@EPA
Date: 01/27/2011 02:33 PM
Subject: VB I-70 OU2 additional data needs

Hi Sam,

Based on our discussion with CCoD and EMSI, I've revised the list of tasks that I think would be necessary to provide a more complete picture of the potential impacts to groundwater at VB I-70 OU2. The modified list is below:

1. Documentation of well construction details for monitoring wells MW-1 through MW-6, and for the Denver Coliseum cooling wells.

2. Documentation of lithology encountered during the installation of Monitoring wells MW-1 through MW-6 (and the Denver Coliseum wells if available).

3. Monitoring wells MW-1 through MW-6 should be surveyed and depth to water measurements should be made for at least four consecutive quarters (wells should all be checked for LNAPL and DNAPL during gauging as a result of the landfill).

4. Based on depth to groundwater data, quarterly potentiometric maps should be created to determine groundwater flow direction, seasonal variations to groundwater flow, and the influence of the Denver Coliseum cooling wells.

5. Based on the presence of the municipal landfill, detections of VOCs and PAHs in soil samples, and visual observations made during the soil borings, groundwater from monitoring wells MW-1 through MW-6, and the Denver Coliseum wells should be analyzed for VOCs and SVOCs for four consecutive quarters (We still may want to ask them to analyze for metals as well to get current data). If the wells are to be sampled, I recommend that they be properly developed. As per our discussion with CCoD and EMSI, the wells were never developed following installation by ASARCO/EnviroGroup.

6. Comparison of COPC concentrations in soil vs. Residential Screening Level Soil to Groundwater Supporting values (VOCs, SVOCs, and metals).

7. Documentation of the Denver Coliseum cooling well extraction rates, periods of operation, and disposal of cooling water.

Please let me know if you have any additional questions.

Thank you,

Andrew

Andrew P. Schmidt, P.G.
Regional Superfund Hydrogeologist
US EPA Region 8, 8EPR-PS
1595 Wynkoop Street
Denver, CO 80202-1129
303.312.6283 (office)
303.312.7151 (fax)

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