From: Hagerman, Paul
To: Mitchell, Tanya; Darpinian, Amy F NWK (Amy.F.Darpinian@usace.army.mil); Donovan, Betsy
Subject: RE: Rolling Knolls - Data Gap Sampling - Locations to add PCB Congener and Dioxin/Furan Analyses
Date: Thursday, September 24, 2015 10:25:00 AM
Attachments: B0033203C03-4b_withdioxin.pdf

Second figure.

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From: Hagerman, Paul
Sent: Thursday, September 24, 2015 10:19 AM
To: 'Mitchell, Tanya' ; Darpinian, Amy F NWK (Amy.F.Darpinian@usace.army.mil) ; Donovan, Betsy
Subject: RE: Rolling Knolls - Data Gap Sampling - Locations to add PCB Congener and Dioxin/Furan Analyses

I do have maps that added Dioxin readings. As mentioned, this was simply for in house use – we simply inserted the dioxin TEQ result that we calculated into the top of the appropriate data box.

One flaw in the figures that you must be aware of, as it limits their utility – our tech was not able to use the most recent files from the QAPP/SAPP addendum and had to use an earlier version of the soil maps, so the most recent proposed locations aren't on the figure.

The files are large so I'm sending in two emails.

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From: Mitchell, Tanya [mailto:Mitchell.Tanya@epa.gov]
Sent: Thursday, September 24, 2015 8:29 AM
To: Hagerman, Paul <HagermanPR@cdmsmith.com>; Darpinian, Amy F NWK (Amy.F.Darpinian@usace.army.mil) <Amy.F.Darpinian@usace.army.mil>; Donovan, Betsy <Donovan.Betsy@epa.gov>
Subject: RE: Rolling Knolls - Data Gap Sampling - Locations to add PCB Congener and Dioxin/Furan Analyses

Thanks, Paul. I believe you mentioned that you would forward the map associated with the recommendations.

From: Hagerman, Paul [mailto:HagermanPR@cdmsmith.com]
Sent: Wednesday, September 23, 2015 6:20 PM
To: Mitchell, Tanya <Mitchell.Tanya@epa.gov>; Darpinian, Amy F NWK (Amy.F.Darpinian@usace.army.mil) <Amy.F.Darpinian@usace.army.mil>; Donovan, Betsy <Donovan.Betsy@epa.gov>
Subject: Rolling Knolls - Data Gap Sampling - Locations to add PCB Congener and Dioxin/Furan Analyses

Evaluation of PCB congeners delineation

ARCADIS has proposed collection of samples for PCB congeners analysis at only one location. The data were reviewed to evaluate whether congeners should be analyzed at additional locations.

ARCADIS proposed to analyze congeners at sample location SS-168. This appears to be aimed at delineation out from POI-10, which is appropriate.

The following locations should also have the PCB congener analysis:

- For SS-46, add PCB congener analysis at location SD-69.
- For SS-39, add PCB congener analysis at location SD-52.
- For SS-104 add PCB congener analysis at location SD-57.
- For locations near the south of the site (i.e. SS-113, SS-101, SS-105), add PCB congener analysis at location SD-62.

Evaluation of Dioxin/Furan delineation

Dioxin/Furan results were reviewed for the 32 samples that we have in our database from ARCADIS. Dioxin/Furan analysis should be added for the following planned data gap locations:

- SS-168 to delineate elevated readings near POI-10
- SD-53 to delineate elevated readings near SS-39 and SS-128
- SD-63 to delineate elevated readings near SS-101
- SD-57 to delineate elevated readings near SS-104
- SD-62 to delineate elevated readings near SS-105
- SD-61 to delineate elevated readings near SS-113

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