Message

From: Hannafin, Juliet
Sent: Thursday, June 16, 2016 7:06 AM

To: 'Peter Zawislanski' <peter.zawislanski@terraphase.com>
Subject: RE: Sims Sediment Sampling

Terrific... thank you for letting me know.
-juliet

From: Peter Zawislanski [mailto:peter.zawislanski@terraphase.com]
Sent: Wednesday, June 15, 2016 4:57 PM
To: Hannafin, Juliet <Hannafin.Juliet@epa.gov>; Melisa.Cohen@simsmm.com
Cc: Baylor, Katherine <Baylor.Katherine@epa.gov>; Wampler, David <Wampler.David@epa.gov>; Jeff Wallace <jeff.wallace@terraphase.com>; Matt Sumner <matt.sumner@terraphase.com>
Subject: RE: Sims Sediment Sampling

Hi Juliet,
The sampling went very well - we just completed the field activities today. We were able to get core down to 3 ft in all three background areas. Let me know if you have any other questions.
Peter

From: Hannafin, Juliet [mailto:Hannafin.Juliet@epa.gov]
Sent: Wednesday, June 15, 2016 2:55 PM
To: Peter Zawislanski <peter.zawislanski@terraphase.com>; Melisa.Cohen@simsmm.com
Cc: Baylor, Katherine <Baylor.Katherine@epa.gov>; Wampler, David <Wampler.David@epa.gov>; Jeff Wallace <jeff.wallace@terraphase.com>; Matt Sumner <matt.sumner@terraphase.com>
Subject: RE: Sims Sediment Sampling

Hi Peter,
Thank you for getting back to me regarding my comments on the sampling last week.
How has the sampling been going? At the background sites did the technicians get down to 3 feet for cores?
Thanks for having the screened out debris rinsed for field characterization.... that will be interesting to see.
I'm back in town, so call me if you have any questions.
Juliet
415-972-3094

From: Peter Zawislanski [mailto:peter.zawislanski@terraphase.com]
Sent: Thursday, June 09, 2016 9:25 PM
To: Hannafin, Juliet <Hannafin.Juliet@epa.gov>; Melisa.Cohen@simsmm.com
Cc: Baylor, Katherine <Baylor.Katherine@epa.gov>; Wampler, David <Wampler.David@epa.gov>; Jeff Wallace <jeff.wallace@terraphase.com>; Matt Sumner <matt.sumner@terraphase.com>
Subject: RE: Sims Sediment Sampling

Juliet,
We will make at least three attempts at collecting a 3-foot core at each planned coring location. In the event that we are unable to get a 3-foot core, we will subdivide the core to collect three samples, as long as there is sufficient sediment for analysis.
We will rinse the screened out debris for the purpose of field characterization.
Peter

Peter Zawislanski, PG, CHG
Principal Hydrogeologist & Vice President

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From: Hannafin, Juliet [mailto:Hannafin.Juliet@epa.gov]
Sent: Thursday, June 9, 2016 4:28 PM
To: Melisa.Cohen@simsmm.com; Peter Zawislanski <peter.zawislanski@terraphase.com>
Cc: Baylor, Katherine <Baylor.Katherine@epa.gov>; Wampler, David <Wampler.David@epa.gov>
Subject: Sims Sediment Sampling

Hi Melisa and Peter,

Thanks for accommodating Kathy Baylor and me on Tuesday and Wednesday this week so that we could observe some of the sampling. On Tuesday we observed the core sampling procedures at the 3 designated points for core samples. On Wednesday we observed most of the lower rip-rap grab samples being taken and some of the higher rip-rap grab samples. On Wednesday we also got to observe the single Ponar grab sample the crew took before the tide got too high for them.

Just a couple comments before you complete the background core samples: As you know, the first core sample the crew attempted on Tuesday (next to the wharf) did not recover sufficient sediment (probably because the water was too shallow in the low tide). Later when the tide got higher, the crew went back to make a second attempt and they were only able to retrieve about 25 inches in the core. We asked them to try a third time, and again they only got about 25 inches, and the bottom few inches fell out. We all agreed that the second core was the best one to take subsamples from because it had retained the bottom few inches of sediment. Because there were only ~25 inches of sediment in the core, the crew was only going to take *two* sub-samples. We asked them to still divide the core into 3 sub-samples, which they did since the sub-samples would still be large enough for the lab to analyze.

For the background core samples, please make sure that the crew does indeed make at least three attempts to get at least a 36 inch core, and uses whatever core has the best recovery of sediment, and takes three sub-samples as long as each sample is large enough for the lab.

In addition, I realize it doesn't specify this in the final approved SSAP, but it would be useful in the remaining Ponar grab samples and core samples if the crew *rinsed* the debris larger than 1/8" before characterizing it. As we all observed, the debris was very muddy making it hard to characterize beyond a rudimentary level.

You won't be able to reach me until next Wednesday morning. Meanwhile, if you have any questions regarding the sampling, give Kathy Baylor a call at 415-972-3351.

Juliet Hannafin

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Enforcement Division, USEPA Region 9
415-972-3094