Message

From: Hannafin, Juliet [Hannafin.Juliet@epa.gov]
Sent: 2/27/2017 11:25:08 PM
To: Ross, Brian [Ross.Brian@epa.gov]; Husby, Peter [Husby.Peter@epa.gov]
CC: Ziff, Sara [ZIFF.SARA@EPA.GOV]; Wampler, David [Wampler.David@epa.gov]; Campbell, Rich [Campbell.Rich@epa.gov]
Subject: FW: Sediment Sampling Sched for Sims Redwood Harbor

Ex. 5 Deliberative Process (DP)

Thanks,
Juliet
415-972-3094

From: Jeff Wallace [mailto:jeff.wallace@terraphase.com]
Sent: Monday, February 27, 2017 3:03 PM
To: Hannafin, Juliet <Hannafin.Juliet@epa.gov>; Melisa Cohen <Melisa.Cohen@simsmm.com>
Cc: Peter Zawislanski <peter.zawislanski@terraphase.com>; Wampler, David <Wampler.David@epa.gov>; Ross, Brian <Ross.Brian@epa.gov>; Campbell, Rich <Campbell.Rich@epa.gov>; ZIFF, SARA <ZIFF.SARA@EPA.GOV>
Subject: RE: Sediment Sampling Sched for Sims Redwood Harbor

Hi Juliet:

We plan is to start on Monday March 6, working weekdays until we have sampled at all planned stations. We estimated eight field days overall. So at this point, we anticipate wrapping up on Wednesday March 15.

Depending on how the work progresses Mon-Wed of the first week, I currently anticipate our team will be working north of the conveyor by Thursday during the afternoon low tide window indicated on the chart.

Thanks, Jeff

From: Hannafin, Juliet [mailto:Hannafin.Juliet@epa.gov]
Sent: Monday, February 27, 2017 2:18 PM
To: Jeff Wallace <jeff.wallace@terraphase.com>; Melisa Cohen <Melisa.Cohen@simsmm.com>
Cc: Peter Zawislanski <peter.zawislanski@terraphase.com>; Wampler, David <Wampler.David@epa.gov>; Ross, Brian <Ross.Brian@epa.gov>; Campbell, Rich <Campbell.Rich@epa.gov>; ZIFF, SARA <ZIFF.SARA@EPA.GOV>
Subject: RE: Sediment Sampling Sched for Sims Redwood Harbor

Hi Jeff,

Thank you for the general plan schedule for your first 3 days of core sampling next week (south of the conveyor belt). Do you have plans yet for taking the core samples on the north side of the conveyor belt? (Stations 41, 47, 48, 49, 50). Are you planning on sampling March 9th and 10th too, and/or the following week?

Please let me know ASAP.

Thanks,
Juliet Hannafin
CWA Inspector/Scientist
Enforcement Division
USEPA Region IX
(415) 972-3094

From: Jeff Wallace [mailto:jeff.wallace@terraphase.com]
Sent: Monday, February 27, 2017 11:33 AM
To: Hannafin, Juliet <Hannafin.Juliet@epa.gov>; Melisa Cohen <Melisa.Cohen@simsmm.com>
Cc: Peter Zawislanski <peter.zawislanski@terraphase.com>; Wampler, David <Wampler.David@epa.gov>; Ross, Brian <Ross.Brian@epa.gov>; Campbell, Rich <Campbell.Rich@epa.gov>; ZIFF, SARA <ZIFF.SARA@EPA.GOV>
Subject: RE: Sediment Sampling Sched for Sims Redwood Harbor

Hi Juliet:

Our general plan is as follows:

- Work south to north for stations inside the wharf.
- Focus on coring on Mar 6 beginning at station 38, continuing on the line 38-39-40-9-8-7 in that order. Then move to line 2-4-6-5 in that order.
- Collect surface grabs when it is convenient based on boat position and the time we have before we need to transit under the wharf to avoid tidal entrapment.
- Sample at background stations as fill in to maximize the overall production of a day when the tide preclude access under the wharf during daylight hours.

The table below provides our current order of procession for the first three days and the approximate hours for core sampling. Since we may hit refusal on some and not others, specifying a coring time per station is not something we can project.

Station	Date	Time
38	6-Mar	10:00-16:00
39		
40		
9		
8	7-Mar	10:30-16:30
7		
2		
4		
6	8-Mar	11:30-16:30
5		

We estimate we'll achieve a production rate of four cores per day as shown. At core stations 41, 43, 44, 47, 48, 49, 50, and 52, production rates may be less (perhaps 3) as the boat maneuvering may be more difficult.

A tide cycle chart that illustrates that daylight-tide factors that we'll be working around is attached. The charts indicate when the tides will be below 6 feet MLLW which is roughly when we anticipate we can work inside the wharf. As you will note, this will cause our program schedule will be little each day.

Once we get a day or two under our belt we'll likely have a better ability to make predictions. If you special interest in any location, we can aim to give you a ring or message.

Regards, Jeff

From: Hannafin, Juliet [mailto:Hannafin.Juliet@epa.gov]
Sent: Friday, February 24, 2017 8:17 AM
To: Melisa Cohen <Melisa.Cohen@simsmm.com>
Cc: Peter Zawislanski <peter.zawislanski@terraphase.com>; Jeff Wallace <jeff.wallace@terraphase.com>; Wampler, David <Wampler.David@epa.gov>; Ross, Brian <Ross.Brian@epa.gov>; Campbell, Rich <Campbell.Rich@epa.gov>; ZIFF, SARA <ZIFF.SARA@EPA.GOV>
Subject: RE: Sediment Sampling Sched for Sims Redwood Harbor

(I see I drafted this email last week and never clicked "Send"):

Thank you, Melisa and Jeff, for the update.
I'd been planning on getting in touch with you.
Please provide me with a more detailed schedule of which locations you plan on sampling on which days, and approximately what times considering the tides.

Thanks again,
Juliet Hannafin
CWA Inspector/Scientist
Enforcement Division
USEPA Region IX
(415) 972-3094

From: Melisa Cohen [mailto:Melisa.Cohen@simsmm.com]
Sent: Thursday, February 16, 2017 1:12 PM
To: Hannafin, Juliet <Hannafin.Juliet@epa.gov>
Cc: Peter Zawislanski <peter.zawislanski@terraphase.com>; Jeff Wallace <jeff.wallace@terraphase.com>
Subject: RE: Sediment Sampling Schedule

Juliet

I am forwarding the below email to provide EPA notification that Terraphase plans to initiate SSAP sampling on March 6th. Terraphase has provided some more details on the schedule below but please feel free to reach out to Jeff Wallace who is the Terraphase Project Lead if you need more information.

Regards, Melisa

From: Jeff Wallace [mailto:jeff.wallace@terraphase.com]
Sent: Thursday, February 16, 2017 9:39 AM
To: Melisa Cohen <Melisa.Cohen@simsmm.com>
Cc: Peter Zawislanski <peter.zawislanski@terraphase.com>
Subject: Sediment Sampling Schedule

Hi Melisa:

We are planning to begin the Redwood Creek sampling on March 6, with an estimated completion of field activities in the middle of the following week. We don't plan to work the weekend days of Mar11-12.

Would like us to notify EPA, or would you like to do this?

The daily field schedule will evolve day to day as we flex around the tidal cycle to maximize our production during the daylight hours. On the first day of sampling (March 6), the crew will aim to get inside the wharf perhaps as early as 9:30 am.

Jeff Wallace, RG, LHg
Principal Geologist
Terraphase Engineering Inc.
610 SW Broadway, Suite 407 | Portland, Oregon 97205| www.terraphase.com
phone: 503.889.0367 | cell: 503.320.8340 | fax: 510.380.6304
jeff.wallace@terraphase.com

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