Message

From: Fennessy, Christopher [christopher.fennessy@Rocket.com]
Sent: 6/15/2020 3:56:51 PM
To: MacDonald, Alex@Waterboards (Alex.MacDonald@waterboards.ca.gov) [Alex.MacDonald@waterboards.ca.gov]; MacNicholl, Peter@DTSC (Peter.MacNicholl@dtsc.ca.gov) (Peter.MacNicholl@dtsc.ca.gov) [Peter.MacNicholl@dtsc.ca.gov]; Swanson, Charles [Swanson.Charles@epa.gov]
CC: Lae, Tom/SAC [Tom.Lae@jacobs.com]; Rob Wilhelm (RWilhelm@Hargis.com) [RWilhelm@Hargis.com]
Subject: RE: Area 40 update
Attachments: Char sample location map.pdf; J61414-1 UDS Level 2 Report Final Report (Char Round 3).pdf; attachment 1.pdf

Hi Everyone – We have received the results of the pre-profiling char samples. To recap, we excavated the top 2 feet of soil where we saw the char layer and collected 14 confirmation samples from the bottom of the excavation on 8,000sqft centers. One location Char-S-005 still contained concentrations of dioxin/furan above our screening level of 6.8ng/Kg. We split the 8,000sqft Char-S-005 location into 9 blocks (approximately 1,000sqft each), six of which were within the char area (see attached Char sample location map.pdf). These locations were labelled Char-S-015 through Char-S-019 (see attached attachment 1.pdf). We collected surface soil samples at each of the 5 locations (note we already had results for Char-S-005). The results indicated that additional excavation was necessary at locations Char-S-005, -015, -016, and -017. We then advanced borings to a depth of 2 feet or bedrock, whichever occurred first, at each of the four locations and collected soil samples at 1 foot bgs and 2 foot bgs. The 1 foot bgs soil samples were put on rush TAT and the 2 foot samples were put on hold pending the results of the 1 foot bgs samples.

The results of the 1 foot bgs soil samples are included in the attached (see the Total Doxin/Furan TEQ results on Pages 12-14 of the .pdf. As shown, only location Char-S-016 exceeded the screening level of 6.8ng/Kg. At this location, we hit bedrock before reaching 2 feet bgs, so there was not a 2 foot bgs soil sample at Char-S-016 to analyze.

This week, we will over-excavate locations Char-S-005, -015, -016, and -017 to 1 foot bgs and continue the excavation of Char-S-016 to bedrock (approximately 18 inches). The 1 foot bgs sample results included in this email (all below the screening level except location -016, which will be excavated to bedrock) will be used as the confirmation that we have achieved the remedial action objective for the Char layer. This will conclude excavation activities associated with RDIP#1 at Area 40. Following excavation, we will finish re-grading the area to ensure drainage matches pre-excavation drainage.

Please let me know if you have questions. Thanks, Chris

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From: Fennessy, Christopher
Sent: Wednesday, June 3, 2020 7:25 AM
To: MacDonald, Alex@Waterboards (Alex.MacDonald@waterboards.ca.gov) <Alex.MacDonald@waterboards.ca.gov>; MacNicholl, Peter@DTSC (Peter.MacNicholl@dtsc.ca.gov) (Peter.MacNicholl@dtsc.ca.gov) <Peter.MacNicholl@dtsc.ca.gov>; 'swanson.charles@epa.gov' <swanson.charles@epa.gov>

Cc: Lae, Tom/SAC (Tom.Lae@jacobs.com) <Tom.Lae@jacobs.com>; Rob Wilhelm (RWilhelm@Hargis.com) <RWilhelm@Hargis.com>
Subject: RE: Area 40 update

Hi Everyone – We have received the results back for the Char-05 sub-grid samples. Attached is a mock-up of where the samples were collected. Locations -005, -015, -016, and -017 all exceeded the 6.8ng/Kg cleanup level (see attached). We are going to go out today and collect samples from each of these locations at depths of 1 foot and 2 feet bgs. The 1 foot bgs samples will be placed on rush TAT (5-day) and the 2 foot bgs samples will be placed on-hold pending results of 1 foot bgs samples. Samples will be analyzed for dioxin/furan. This will, hopefully, avoid multiple mobilizations. If the results indicate that we have achieved the cleanup level, we would like to be able to use the results of these pre-excavation samples as confirmation samples. Please confirm if this is acceptable.

Since the analysis of these samples will not be received until mid-next week, excavation activities will not occur until later next week or the week of June 15.

Ambient air Radiello sampling devices will be collected this Friday.

Chris

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From: Fennessy, Christopher
Sent: Friday, May 22, 2020 4:33 PM
To: MacDonald, Alex@Waterboards (Alex.MacDonald@waterboards.ca.gov) <Alex.MacDonald@waterboards.ca.gov>; MacNicholl, Peter@DTSC (Peter.MacNicholl@dtsc.ca.gov) (Peter.MacNicholl@dtsc.ca.gov) <Peter.MacNicholl@dtsc.ca.gov>; swanson.charles@epa.gov
Cc: Lae, Tom/SAC (Tom.Lae@jacobs.com) <Tom.Lae@jacobs.com>
Subject: Area 40 update

Hi Everyone – We have completed the remaining perchlorate over-excavation and the initial dioxin excavation. The attached map shows the location of the dioxin excavation. We collected samples on 8,000 sqft grid spacing per the attached map. Results have been received. The laboratory calculates the Total Dioxin/Furan-TEQ for us and includes it in the toxicity section of the laboratory report (starts on page 24 of .pdf). Based upon the results, only one location, Char-S-005 exceeded the cleanup goal of 6.8ng/Kg. We will be going to the site on Tuesday to collect samples from the Char-S-005 1000sqft sub-grid in attempt to pinpoint where the over-excavation needs to occur. The sub-grid is also shown on the attached sample location map. Samples will be placed on 5-day turn around and we anticipate over-excavation activities to occur the week of June 8.

Ambient air monitoring devices were deployed today and will be in place for 14 days. These will be retrieved prior to conducting additional excavation activities.

The revised RDIP#2 should be submitted next week for your final review along with a work plan for additional characterization to finalize the design of the PRB. We would like to get into the field in mid-June to conduct the additional characterization, so please focus your efforts on reviewing the work plan first.

Let me know if you have questions. Have a great weekend! Chris

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