To: Deschambault, Lynda[Deschambault.Lynda@epa.gov]; Brown, Anthony R (RM)[anthony.brown@bp.com]
Cc: Jones, Britt[Britt.Jones@amecfw.com]; Jefferson, Jill[Jill.Jefferson@amecfw.com]; Beth Kelly[bk@burlesonconsulting.com]; Greg Reller[gr@burlesonconsulting.com]; Cory Koger[Cory.S.Koger@usace.army.mil]; Eidelberg, Joseph[Eidelberg.Joseph@epa.gov]; Lombardi, Lynda[Lynda.Lombardi@amecfw.com]; Cohen, Adam[Adam.Cohen@dgslaw.com]
From: Lombardi, Marc
Sent: Tue 4/18/2017 8:57:31 PM
Subject: RE: Leviathan Mine - PE Sample Coordination

Lynda,

We do not plan on conducting any surface water or snowmelt sampling this week.

Stormwater/Snowmelt Samples

Depending upon road conditions, RI crews will scout the stormwater/snowmelt sampling locations on Wednesday (4/19) and if safely accessible they will start to set up the automatic samplers on Thursday (4/20). Depending on site conditions, deployment and setup of the samplers could take 2 to 5 days. Therefore, at the present moment we anticipate the earliest that we would be ready to program the samplers to begin the 24-hour collection sequence for snowmelt would be the beginning of next week; however, this is totally dependent upon site conditions and our ability to safely deploy the samplers. We originally estimated that we would begin stormwater/snowmelt sampling the week ending May 5; this still may be the case. These are 24-hour time weighted samples and not grab samples. If EPA wants to collect split samples we can program the samplers to collect double the volume we just need to know in advance.

Surface Water Samples

Currently we plan on scouting access to the surface water sampling locations on next Monday. Pending access conditions we may begin surface water sample collection as early as next Tuesday, we will just have to wait and assess site access conditions.

PE Samples

As requested, Atlantic Richfield is providing EPA advance notice as to the timing and nature of our sampling events; however, we were under the impression that EPA would be selecting the events in which they wanted to provide PE samples. We will make

arrangements for the labs to send appropriate bottle sets for 4 PE samples. EPA can then decide how many to send, and contact us to help arrange for the best day for shipments.

Should you have any questions or comments please contact Tony Brown at (657) 529-4537 or anthony.brown@bp.com.

Thanks,

Marc

Marc R. Lombardi, CEM, PG

Principal Geologist / Office Manager, Environment & Infrastructure Americas, Amec Foster Wheeler

10940 White Rock Road, Suite 190, Rancho Cordova, CA 95670, USA

D (916) 853-8903 M (916) 302-6326

marc.lombardi@amecfw.com amecfw.com

amec foster wheeler

From: Deschambault, Lynda [mailto:Deschambault.Lynda@epa.gov]
Sent: Tuesday, April 18, 2017 10:56 AM
To: Brown, Anthony R (RM) <anthony.brown@bp.com>
Cc: Lombardi, Marc <Marc.Lombardi@amecfw.com>; Jones, Britt <Britt.Jones@amecfw.com>; Jefferson, Jill <Jill.Jefferson@amecfw.com>; Beth Kelly <bk@burlesonconsulting.com>; Greg Reller <gr@burlesonconsulting.com>; Cory Koger <Cory.S.Koger@usace.army.mil>; Eidelberg, Joseph <Eidelberg.Joseph@epa.gov>
Subject: FW: Leviathan Mine - PE Sample Coordination

Please let us know if PE samples will be part of this week's sampling or were you planning to wait and also sample May 5th?

Let me know if any questions, or if a call or any other additional planning is needed.

Lynda

From: Strout, Keith [mailto:Keith.Strout@CBIFederalServices.com]
Sent: Tuesday, April 18, 2017 10:51 AM
To: Deschambault, Lynda <Deschambault.Lynda@epa.gov>; Freitas, Richard <Freitas.Richard@epa.gov>; Eidelberg, Joseph <Eidelberg.Joseph@epa.gov>
Cc: Lynda.Lombardi@amecfw.com; Appleby, Charlie <Appleby.Charlie@epa.gov>; Duncan, Sara <Duncan.Sara@epa.gov>
Subject: RE: Leviathan Mine - PE Sample Coordination

Good Morning,

We received an email on Friday indicating that the earliest sampling event is May 5, and the surface water sampling was scheduled for May 12th, in accordance with the schedule below. As I indicated, we need to know how many PESs/duplicates you want for each sampling event. Also, the containers need to be sent to us so they appear the same as the field samples.

If the sampling is this Thursday/Friday, we can still supply PESs provided that the empty containers arrive by tomorrow, or Thursday at the latest if you want them by Friday.

Please let us know how you would like us to proceed. You can call me at the number below in order to expedite the request/shipment of the PESs.

Thanks,

Keith

Keith Strout
Analytical Group Leader
Quality Assurance Technical Support Laboratory
CB&I Federal Services, LLC
2700 Chandler Avenue, Building C
Las Vegas, NV 89120
702.895.8722 Direct
702.795.8210 Fax
keith.strout@cbifederalservices.com

www.cbi.com

From: Deschambault, Lynda [Deschambault.Lynda@epa.gov]
Sent: Tuesday, April 18, 2017 12:40 PM
To: Freitas, Richard; Eidelberg, Joseph
Cc: Strout, Keith; Eidelberg, Joseph
Subject: RE: Leviathan Mine - PE Sample Coordination

Who decides how many PE samples? Don't we? Wasn't that already outlined by Joel etc?

Are they ready to go this Thursday surface water sampling?

Happy to do a conference call today if needed to make sure this happens.

Linda

From: Freitas, Richard
Sent: Tuesday, April 18, 2017 10:18 AM
To: Eidelberg, Joseph <Eidelberg.Joseph@epa.gov>; Deschambault, Lynda <Deschambault.Lynda@epa.gov>
Cc: Strout, Keith <Keith.Strout@CBIFederalServices.com>
Subject: FW: Leviathan Mine - PE Sample Coordination

Looks like Leviathan is good to go. I'm out today. Please have the samplers coordinate with Keith Stout and cc me.

Thanks,

Rich

From: Strout, Keith [mailto:Keith.Strout@CBIFederalServices.com]
Sent: Monday, April 17, 2017 9:09 AM
To: Freitas, Richard <Freitas.Richard@epa.gov>
Subject: RE: Leviathan Mine - PE Sample Coordination

Hi Rich,

The request seems pretty straightforward. They can send bottles anytime. they'll have to let us know how many PESs they want per sampling event, and when they want the samples to arrive.

Thanks,

Keith

Keith Strout
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From: Freitas, Richard [Freitas.Richard@epa.gov]
Sent: Friday, April 14, 2017 6:20 PM
To: Strout, Keith
Subject: FW: Leviathan Mine - PE Sample Coordination

Anything you need from me on this Keith?

Rich

From: Lombardi, Lynda [mailto:Lynda.Lombardi@amecfw.com]
Sent: Friday, April 14, 2017 3:43 PM
To: Eidelberg, Joseph <Eidelberg.Joseph@epa.gov>
Cc: Freitas, Richard <Freitas.Richard@epa.gov>; Keith Strout (Keith.Strout@CBIFederalServices.com) <Keith.Strout@CBIFederalServices.com>; Lombardi, Marc <Marc.Lombardi@amecfw.com>
Subject: Leviathan Mine - PE Sample Coordination

Joe,

This email serves to provide notification of proposed sampling activities commencing in May 2017 at the Leviathan Mine Site in Alpine County, California to assist U.S. EPA with coordination of performance evaluation (PE) samples according to procedures described in the Leviathan Mine Site RI/FS Quality Assurance Project Plan, Revision 2 (Atlantic Richfield, 2017). Sampling activities at the Leviathan Mine Site are highly dependent on area weather and site access in compliance with project health and safety guidelines. Currently, site access is restricted due to poor access conditions and frequent periods of inclement weather, and all schedules discussed herein are tentative.

The tentative schedule for upcoming sampling in the 2017 field season is as

1) Storm water and Snowmelt Event Monitoring (water matrix)

a. Start Date: w/e May 5, 2017

b. Duration: 24 hour composite per event through October 31, 2017; dependent on when representative run-off events actually occur; snowmelt is a maximum of 3 run-off events per season

c. Primary quantitative measurements; total and dissolved metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc)

2) Monthly Groundwater Monitoring (water matrix)

a. Start Date: w/e May 12, 2017

b. Duration: 1 event (5 days) per month through October 20, 2017

c. Primary quantitative measurements; dissolved metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, hexavalent chromium, iron, lead, manganese, nickel,

selenium, silver, thallium, vanadium, and zinc)

3) Surface water Monitoring (water matrix)

a. Start Date: w/e May 12, 2017

b. Duration: 3 events per field season in May (12 days), August (3 days), and October (3 days); scheduling is dependent on water treatment activities and creek flows

c. Primary quantitative measurements; total and dissolved metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, hexavalent chromium, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc)

Atlantic Richfield will make appropriate arrangements with the subcontract laboratory to provide appropriate bottles sets for the aforementioned sampling events in accordance with the requirements set forth in the LMS RI/FS QAPP and the attached table of analyses (Table 1). PE samples prepared by U.S. EPA and returned to the designated subcontractor will be appropriately integrated with the concurrent sampling event. All prepared PE sample sets should be shipped to the following address during the appropriate time frame for a designated sampling event:

Britt Jones, AmecFW

931 Bollen Circle

Gardnerville, NV 89460

Ph: (916) 612-6237

Analytical results for representative samples collected in 2015 are also attached to provide available information on recent concentration ranges for the various matrices (Attachments 1-5) . Please contact me directly for coordination of laboratory bottle supplies and preferred delivery dates for PE sample shipments by U.S. EPA, or if you have additional questions.

Best Regards,

Lynda Lombardi

Environment & Infrastructure Americas, Amec Foster Wheeler

10940 White Rock Road, Suite 190, Rancho Cordova, California 95670

+1 916 636 3200 x109

lynda.lombardi@amecfw.com amecfw.com

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