To: Egan, Robert[egan.robert@epa.gov]
Cc: Faust, Matt (mfaust@bristol-companies.com)[mfaust@bristol-companies.com]
From: Hanson, Kristen
Sent: Tue 9/6/2016 3:24:15 PM
Subject: Data Clarification

Bob,

Bristol did a wonderful job displaying several datasets (2016 Bristol Borehole, 2015 REI borehole, Lac du Flambeau Well, Montioring Well, and Veritical Aquifer Sample) in their March 2016 figure that we used in the field during the MiHPT work. In addition to the MiHPT shapefile from the survey work, please send the shapefiles from the March figure.

Thanks,

Kristen

From: Egan, Robert [mailto:egan.robert@epa.gov]
Sent: Tuesday, September 06, 2016 10:13 AM
To: Hanson, Kristen
Cc: Kamke, Sherry
Subject: RE: MiHPT and LIF data for Tower

Hi Kristen,

I do not have the lab data yet. I will ask Bristol is they have heard anything yet. I will also ask them to send the Shape files to you.

There is no session yet scheduled with S2C2. I will check with Bristol on how to get this arranged. I know that Tom Kady is out until later this month for vacation. I would like him to participate in this if possible. He also suggested that we have REI arrange for their subcontractor

to provide an overview session with their own interpretation of the data.

I hope the work goes well this week.

Bob Egan

Corrective Action Manager

Underground Storage Tanks Section

RCRA Branch

EPA Region 5

(312) 886-6212

(312) 692-2911 (fax)

From: Hanson, Kristen [mailto:KHanson@ldftribe.com]
Sent: Tuesday, September 06, 2016 10:03 AM
To: Egan, Robert <egan.robert@epa.gov>
Cc: Faust, Matt (mfaust@bristol-companies.com) <mfaust@bristol-companies.com>
Subject: RE: MiHPT and LIF data for Tower

Good Morning Bob,

Is there a web session with S2C2 scheduled?

Could you ask Bristol for

1) Shape files for the MiHpt borings

2) Lab Analytical for the sampled wells

I am preparing for LIF work tomorrow.

Thank you,

Kristen Hanson

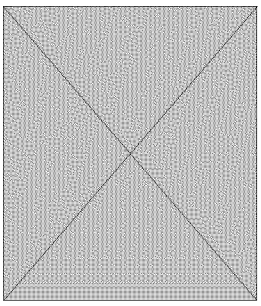
Environmental Specialist

Tribal Natural Resource Department

Lac du Flambeau Band of Lake Superior Chippewa Indians

Phone: (715)588-4290

Cell: (715)614-4644



From: Faust, Matt [mailto:mfaust@bristol-companies.com]
Sent: Wednesday, August 24, 2016 12:17 PM
To: Egan, Robert
Cc: Kady, Thomas; Hanson, Kristen
Subject: RE: MiHPT and LIF data for Tower

Bob,

I've sent an email to S2C2 to see about getting those 4DIM files. Also, I forgot to mention that Jason offered to host another web session for anybody that would like to see what he's been working on, though he did say he'd be out most of the rest of the week, returning next week.

--Matt

Matt Faust, P.G.
Project Manager/Geologist
Bristol Environmental Remediation Services, LLC
Phone : (907) 743-9346

From: Egan, Robert [mailto:egan.robert@epa.gov]
Sent: Wednesday, August 24, 2016 5:39 AM
To: Faust, Matt <mfaust@bristol-companies.com>
Cc: Kady, Thomas <Kady.Thomas@epa.gov>; KHanson@ldftribe.com
Subject: FW: MiHPT and LIF data for Tower

Matt:

Please see Tom's message below and let me know when we can see the information he references.

Thank you.

Bob Egan

Corrective Action Manager

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From: Kady, Thomas
Sent: Wednesday, August 24, 2016 8:23 AM
To: Egan, Robert <egan.robert@epa.gov>
Cc: KHanson@ldftribe.com
Subject: Re: MiHPT and LIF data for Tower

I agree with all of Jason and Matt's suggestions. I would like to see S2C2's visualization for the MIHPT work. We can wait for the final report until after the LIF work, but it would be good to see the 4-dims as soon as they are ready. That will help guide the LIF work.

Tom

Sent from my iPhone

On Aug 24, 2016, at 7:54 AM, Egan, Robert <egan.robert@epa.gov> wrote:

> Kristen and Tom:
>
> Please see Matt's message below with some recommendations from S2C2 on LIF locations.
>
> I do not mind waiting to include the LIF data into the S2C2 model. Please let me know what you think about it and I will pass your messages on to Matt.
>
> Thank you

Bob Egan

Corrective Action Manager

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(312) 692-2911 (fax)

From: Faust, Matt [mailto:mfaust@bristol-companies.com]
Sent: Tuesday, August 23, 2016 3:41 PM
To: Egan, Robert <egan.robert@epa.gov>
Cc: Edwards, Christine <Edwards.Christine@epa.gov>; Ruth, Scott <sruth@bristol-companies.com>
Subject: MiHPT and LIF data for Tower

PLEASE NOTE THE EPA AND CONTRACTORS ARE RECEIVING THIS EMAIL

Hi Bob,

I wanted to let you know that I had a web meeting with S2C2 (our MiHPT data visualization contractor) this morning and got to see how their model is coming together. In general I would say that it's impressive.

We talked about how the LDF Tribe has an LIF study planned for next week and considered whether S2C2 should hold off on finalizing their report incorporate the pending LIF data into the model. I thought that would probably be worth the wait but thought I better check with you and potentially Kristen.

In regards to suggestions for objectives for the LIF study, Jason (from S2C2) thought the probes would be best used in the source area (as I believe Kristen is planning) with a special emphasis on finding the bottom of the impacted zone. LIF will be most effective in the source area because it will not see dissolved phase contamination at all.

The other suggestion that Jason had was to perhaps drive LIF probes at the same locations as MiHPT locations 14 and 15. Both of those probes had some FID response at a shallower depth than expected (10-16 feet) that was not associated with significant PID response. In both borings there was relative high in HPT pressure in these intervals as well, and S2C2 is question whether they may be some sort of matrix effect. If LDF has the time available during their LIF study, it might be worth checking out these two spots. It would be even better if soil samples could be collected from these intervals.

Thank you,

--Matt

Matt Faust, P.G.
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