To: KHanson@ldftribe.com[KHanson@ldftribe.com]
Cc: Kamke, Sherry[Kamke.Sherry@epa.gov]; Greenwater, Anthony[greenwater.anthony@epa.gov]; Manville, Jennifer[manville.jennifer@epa.gov]
From: Egan, Robert
Sent: Tue 5/2/2017 12:16:27 PM
Subject: FW: Source data answer from Bristol/S2C2

.....
,,,,,,,
Kristen,

Please see Bristol's answer below in response to your question about the Data Visualization Reports.

Bob Egan

Corrective Action Manager

Underground Storage Tanks Section

RCRA Branch

EPA Region 5

(312) 886-6212

(312) 692-2911 (fax)

From: Faust, Matt [mailto:mfaust@bristol-companies.com]
Sent: Friday, April 28, 2017 3:20 PM
To: Egan, Robert
Subject: RE: Source data answer from Bristol/S2C2

Sure Bob,

The short answer is that S2C2 only generated two versions of the Data Visualization Report. One is dated 9/21/16 and the other is dated 3/20/16. The report from 3/20 corresponds with the version of the model shared on the April 3 web session.

I'm not 100% sure I know what Kristen is referring to in regards to the February 16 submittal. I know that we held a web session on February 15 with S2C2, yourself, and Tom Kady. S2C2 generated 4DIMs for that presentation but as we were still providing feedback and revising the model, they did not prepare a report.

Hope that helps,

--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: Friday, April 28, 2017 12:07 PM
To: Faust, Matt <mfaust@bristol-companies.com>
Subject: FW: Source data answer from Bristol/S2C2

Matt,

Please look at Kristen's questions below.

Thank you.

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: Friday, April 28, 2017 3:02 PM
To: Egan, Robert <egan.robert@epa.gov>
Cc: Kamke, Sherry <Kamke.Sherry@epa.gov>; Greenwater, Anthony <greenwater.anthony@epa.gov>; Manville, Jennifer <manville.jennifer@epa.gov>; Dee.allen@ldftribe.com; lwawronowicz@ldftribe.com
Subject: RE: Source data answer from Bristol/S2C2

Good Afternoon Bob,

Thank you for sending the March 20, 2017 Data Visualization Report. Does this report correspond to Model #3 (the version shared with the Tribe on April 3?). If so, could you please also send the Data Visualization Report for Model #2 (the version provided to the Tribe on February 16)?

Thank you ,

Kristen Hanson

Environmental Response Program Coordinator

Lac du Flambeau Tribal Natural Resource Department

Office: 715-588-4290

Cell : 715-614-4644

From: Egan, Robert [mailto:egan.robert@epa.gov]
Sent: Friday, April 28, 2017 2:53 PM
To: Hanson, Kristen
Cc: Kamke, Sherry; Greenwater, Anthony; Manville, Jennifer; Allen, Dee; Wawronowicz, Larry; Kady, Thomas
Subject: RE: Source data answer from Bristol/S2C2

Kristen,

Attached is the revised report from S2C2. The original report was sent to you in an e-mail on October 5, 2016.

I spoke to Tom Kady about the question regarding the confidence of the model. Tom reminded me that although we call the program a model for convenience, it is actually a data visualization software program. It is not a model in the predictive sense such as a groundwater transport model where sensitivity analyses are run as part of the modeling effort, so there is no level of confidence that can be assigned to it.

Your comments have been sent to Bristol for their review. However, since we are now out of funds to have S2C2 provide additional software support at this time, Bristol may not be able to provide responses in the near term. As you know, additional funding for this type of support from S2C2 or another subcontractor is planned for the next task order.

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: Thursday, April 27, 2017 10:46 AM
To: Egan, Robert <egan.robert@epa.gov>
Cc: Kamke, Sherry <Kamke.Sherry@epa.gov>; Greenwater, Anthony <greenwater.anthony@epa.gov>; Manville, Jennifer <manville.jennifer@epa.gov>; Dee.allen@ldftribe.com; lwawronowicz@ldftribe.com
Subject: RE: Source data answer from Bristol/S2C2

Good Afternoon Bob,

Jason offered the following:

"All the Ctech formatted data files that were used in the data visualization are provided in the pdf report."

We do not have the referenced pdf report. There is a chance that the interpreted data supporting the model and the logged notes shown in the webinar are provided in the pdf report that the modeler refers to. Please provide the referenced pdf reports for both Model 2 (February 16 version) and Model 3 (April 3 version). This will allow for quicker review and comment on Model 3 that was shared with the Tribe on April 3, 2017.

I have also attached our model comments submitted on March 21, 2017 that include questions and information requests. Your consideration of these questions and information requests are appreciated.

In addition, our Natural Resource Director has asked about the confidence level of the model. Information supporting a confidence level is appreciated.

Kristen Hanson

Environmental Response Program Coordinator

Lac du Flambeau Tribal Natural Resource Department

Office: 715-588-4290

Cell : 715-614-4644

From: Egan, Robert [mailto:egan.robert@epa.gov]
Sent: Thursday, April 27, 2017 10:18 AM
To: Hanson, Kristen
Cc: Kamke, Sherry; Greenwater, Anthony; Manville, Jennifer
Subject: Source data answer from Bristol/S2C2

Kristen,

I passed this message on to Sherry earlier in the week, but I'm not sure if she forwarded it to you. She is out of the office for a couple of days so I thought that I would send it just in case.

Please let me know if this answers your question about the model.

Thank you.

Bob Egan

Corrective Action Manager

Underground Storage Tanks Section

RCRA Branch

EPA Region 5

(312) 886-6212

(312) 692-2911 (fax)

From: Faust, Matt [mailto:mfaust@bristol-companies.com]
Sent: Monday, April 24, 2017 11:25 AM
To: Egan, Robert <egan.robert@epa.gov>
Subject: FW: Today's WebX

Bob,

Here's the answer from S2C2 re: source data. Sounds like everything other than lithology is in the Scribe database.

--Matt

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

From: Jason Ruf [mailto:jruf@s2c2inc.com]
Sent: Monday, April 24, 2017 4:06 AM
To: Faust, Matt <mfaust@bristol-companies.com>
Subject: RE: Today's WebX

Matt,

You are correct, Studio files are all text files and I opened a few of these during the webX to show the documentation of control points. Source data is the Scribe database for all analytical and direct-sensing detector data. Geologic interpretation picks from boring logs is not in the Scribe database. All the Ctech formatted data files that were used in the data visualization are

provided in the pdf report. The geologic interpretation picks are included in these text file pdfs. I have some working excel worksheets that were created from Scribe as an intermediary step in creating the final formatted Ctech files, but there is no other database source. Let me know if you need anything else.

Regards

Jason

Jason Ruf
Senior Geologist/Manager Data Visualization Services
S2C2 inc.
5 Johnson Drive
Suite 12
Raritan, New Jersey 08869

Cell – 908-256-2710

From: Faust, Matt [mailto:mfaust@bristol-companies.com]
Sent: Friday, April 21, 2017 3:28 PM
To: Jason Ruf <jruf@s2c2inc.com>
Subject: RE: Today's WebX

Hi Jason,

I've attached an email that includes a request from the LDF tribe to share the "source data" that you were able to refer to during your recent model presentation. My assumption is that you were looking at the data files in the C Tech application, is that correct?

I know that there is also the Scribe database, and I have referred EPA to that source. Apparently, LDF has not found that format very useful, but maybe they are not using the Scribe program itself.

I just need to confirm with you that S2C2 didn't create some other (third) database containing all site data in one place.

Thanks,

--Matt

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

CONFIDENTIAL NOTICE: This document is for the sole purpose of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender and destroy all copies of the original document.