To: Brian Mikucki[bmikucki@tierrasolutionsinc.com]; Mark Kill[MKill@ddmsinc.com]; Herberich, Jim (Jim.Herberich@aecom.com)[Jim.Herberich@aecom.com]
Cc: Vaughn, Stephanie[Vaughn.Stephanie@epa.gov]; Yeh, Alice[Yeh.Alice@epa.gov]; Elizabeth Franklin (Elizabeth.A.Franklin@usace.army.mil)[Elizabeth.A.Franklin@usace.army.mil]; Marabello, David[MarabelloDA@cdmsmith.com]; Robert Law[rlaw@demaximis.com]
From: Kirchner, Scott
Sent: Fri 11/13/2015 5:05:09 PM
Subject: RE: Request for updates to reconcile the Passaic River Databases
Calculated Totals LPRSA database Questionnaire.docx

All, I've change course a bit on this since both Tierra and the CPG indicated that the task as previously outlined would be rather onerous. Essentially the majority of questions I receive concerning the data in the Passaic River database is in regard to calculated total results. I developed a questionnaire that will essentially provide me with the information I need to respond to questions about these data. I forwarded the questionnaire to LBG and Battelle and asked them to fill it out and provide feedback on the format. I recently received their information and evaluated their responses and revised the attached questionnaire based on some of their feedback. The questionnaire might take someone familiar with their data about 15-30 minutes to complete. I hope to get your feedback by mid-December.

If you have any questions or would like to discuss this approach please feel free to contact me.

Regards

Scott F Kirchner, CHMM | Project Manager | CDM Smith

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From: Brian Mikucki [mailto:bmikucki@tierrasolutionsinc.com]
Sent: Friday, September 18, 2015 4:29 PM
To: Kirchner, Scott <KirchnerSF@cdmsmith.com>; Mark Kill <MKill@ddmsinc.com>; Herberich, Jim (Jim.Herberich@aecom.com) <Jim.Herberich@aecom.com>; sthompson@louisberger.com; Dave Profusek (dprofusek@intell-group.com) <dprofusek@intell-group.com>
Cc: Stphanie Vaughn (Vaughn.stephanie@Epa.gov) <Vaughn.stephanie@Epa.gov>; Yeh, Alice (Yeh.Alice@epa.gov) <Yeh.Alice@epa.gov>; Elizabeth Franklin (Elizabeth.A.Franklin@usace.army.mil) <Elizabeth.A.Franklin@usace.army.mil>; Eugenia Naranjo (naranjo.eugenia@epa.gov) <naranjo.eugenia@epa.gov>

Subject: RE: Request for updates to reconcile the Passaic River Databases

Scott,

Thanks for reaching out regarding this.

The request for updates to the Passaic River data as outlined in the email below is not trivial and we would like further information to understand the nature of the request. Tierra's database was initiated ca. 1996 and has obviously evolved since then. Over the years, Tierra has provided to USEPA many updates (new data) and corrections when erroneous data or metadata were discovered. We would expect that Tierra's updates and corrections have already been incorporated into USEPA's database as part of these continuous updates. If further updates are needed, it is unclear how Tierra would be able to identify those that USEPA would like us to make. Assuming we could get clarity on this, it would be an extremely tedious task to go back through ~30 years of data and provide USEPA with the requested information in the timeline given.

Some of the questions that come to mind include:

- How do we identify a change that EPA considers a correction or update?
- How do we know what updates or correction EPA has already incorporated?
- How do we handle differences in reporting methodologies?
- How far back do we need to go? Does USEPA need updated data as far back as 1996 when the database was initiated?

It might be best to convene a workshop among the database users and experts to determine the best approach and establish a formal process by which updates and corrections are migrated from users to EPA. Also, it is important to note that "users" include other federal and state agencies which we know have downloaded the ourpassaic.org database at various points in time and may still be using old/flawed data.

Please let me know if you would like to set up a time to discuss this further or if you have any questions. Also, in the future please direct all correspondence regarding database and MEDD issues to myself, as I will be the point-person for Tierra regarding these issues.

Thank you

From: Kirchner, Scott [mailto:KirchnerSF@cdmsmith.com]
Sent: Monday, August 17, 2015 10:55 AM
To: Mark Kill <MKill@ddmsinc.com>; Herberich, Jim (Jim.Herberich@aecom.com) <Jim.Herberich@aecom.com>; Brian Mikucki <bmikucki@tierrasolutionsinc.com>; sthompson@louisberger.com; Dave Profusek (dprofusek@intell-group.com) <dprofusek@intell-group.com>
Cc: Stphanie Vaughn (Vaughn.stephanie@Epa.gov) <Vaughn.stephanie@Epa.gov>; Yeh, Alice (Yeh.Alice@epa.gov) <Yeh.Alice@epa.gov>; Elizabeth Franklin (Elizabeth.A.Franklin@usace.army.mil) <Elizabeth.A.Franklin@usace.army.mil>; Eugenia Naranjo (naranjo.eugenia@epa.gov) <naranjo.eugenia@epa.gov>
Subject: FW: Request for updates to reconcile the Passaic River Databases

Greetings,

As you may be aware that the Passaic River database consists of data from multiple sources spanning many years of investigations. During the last several years there has been an increased level of active data use for reporting, and modeling. During the process, as is often the case with large data sets, some inconsistencies might be encountered and corrections made to the data. In an effort to reconcile the data contained in the EPA's Passaic River database which is the source of the data made available to the public through ourpassaic.org, we are requesting that any known updates be provided as outlined below.

In order to accomplish our goal, we are requesting updated results from the calculation of totaled contaminants such as totaled PCB congeners, polycyclic aromatic hydrocarbons (PAHs), as well as low and high molecular weight PAH summations, dichlorodiphenyltrichloroethane (DDT and it's isomers as well as breakdown products), and etc. If available, it would also be helpful to

have the calculated averages from the field sample duplicates as these have been used in reporting and may be a source of confusion to the public when reviewing documents presenting such data. These can be provided as results associated with an alternate sample ID to avoid confusion and maintain the original sample and duplicate data results.

Transfer of these data can be accomplished using the Region 2 EDD formats and posting them to the Passaic River SharePoint site. Please also provide a description of the updated data in a transmittal memorandum to aid us in accomplishing this task. We request that the data be forwarded to the EPA at your earliest convenience; however, please be aware that we have a target to for completion of the updates of October 30, 2015.

Thank you for your assistance in this effort.

Scott F Kirchner, CHMM | Project Manager | CDM Smith

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