From: POULSEN Mike
To: Eric Blischke/R10/USEPA/US@EPA
Cc: PETERSON Jenn L
Subject: RE: Request for FPM Data
Date: 09/23/2010 05:02 PM

Eric -

I was able to spend some time this afternoon working with the spreadsheets the LWG provided to us in May. I believe we have the information in the FPMdata file to allow us to modify the input data. So I think we can change the order of the chemicals, check the groupings of chemicals, things like that. I will go over this with Jennifer on Monday. If this works out, I don't think we need to request additional files.

- Mike

-----Original Message-----
From: Blischke.Eric@epamail.epa.gov [mailto:Blischke.Eric@epamail.epa.gov]
Sent: Tuesday, September 14, 2010 12:38 PM
To: POULSEN Mike
Cc: Humphrey.Chip@epamail.epa.gov; Shephard.Burt@epamail.epa.gov; PETERSON Jenn L; jay.field@noaa.gov
Subject: Request for FPM Data

Mike, during our Benthic meeting back in August, one of the action items was for you to develop a list of specific supporting documentation for the FPM model. This will be included as a comment. To facilitate this, I am attaching a table that summarizes the information previously submitted. This table was sent by John Toll on April 21, 2010. John states further in his April 21, 2010 email, that "the only files that weren't previously provided (or requested) were two Excel workbooks that we used to do ANOVAs. We're shooting for a 4/28 Exec approval to submit the two ANOVA workbooks."

Subsequent to that email, John provided the following discussion about where the ANOVA results may be found:

The FPMData.xls file we gave you was provided to us by Teresa Michelsen and is comprised of a group of spreadsheets. One of the spreadsheets
(tabs) in that workbook is called "InputData". We entered data for all the chemicals we have data for into that tab. Each chemical has a little box with a check next to it that indicates if it was a chemical that we selected to carry forward in the model (we selected all individual metals, all Total calculations, and a few others). The macros in the file read the data for the selected chemicals into the "AnaylteSummary" and "DataTable" tabs. The "DataTable" sheet is in a format that is then read directly into the FPMAnova...xls workbook (the second file we gave you) where it is called "ChemData." The hit/no hit information is entered into the tab called "BioData." Those data are used to create the "SortedData" tab where each chemical's concentrations are divided into hit/no hit columns and a t-test (Anova) is run to test for differences between the hit and no hit distributions. The results of these analyses for each endpoint are stored in the "AnovaResults" tab. For each endpoint, a "FinalDataSet" tab is created that pairs the chemistry with the hit/nohit information. Those data are then read into an FPMCalc...xls file. We read data for each endpoint into a different FPMCalc.xls file that has the endpoint's name in the filename. These are all the calculation files we gave you in the beginning. So, each FPMCalc file is for an individual endpoint and has all the chemistry paired with the hit/no hit information for that endpoint. The FPMData and FPMAnova files contain all earlier steps that are conducted before the model is run.

Please look over the list of items in the attached table as well as the ANOVA summary provided above to develop the list of exactly what else we need. Please be as specific as possible.

If there are any questions about any of this, please give me or Burt a call.

Thanks, Eric

(See attached file: FPMSupportingInfo.doc)