

From: Dhammapala, Ranil (ECY)
Sent: Monday, July 20, 2009 12:05 PM
To: Newman, Alan (ECY)
Cc: Burmark, Robert (ECY); Schneider, Douglas (ECY)
Subject: RE: PT Paper BART determination
Attachments:
 3yrs_of_PTPC_impacts_at_OlympicNP_basecase_Old_IMPROVE_17ppb_NH3.xls

Actually there's little to "undo". Here's the story:

- At the time, the new IMPROVE equation was applied only in the form of a spreadsheet. It had not yet been included as an option in Calpost. Further this spreadsheet only applied the new IMPROVE equation to the 22 highest Best values for each year.
- However the Calpost files supplied contained the delta-DV values calculated according to the old IMPROVE equation. So it was possible to ignore the above mentioned spreadsheet and extract the data from the Calpost files. And yes, they ran the same, older version of Calpost (V6.131, Level 060410) in all of their runs. This uses the old IMPROVE algorithm and does not give the user a choice.
- I wrote a script to go into the Calpost *.LST files for each year, and extract the delta-DVs for the whole year, not just the 22 highest days. Combine these with the delta-DVs for all 3 years and you end up with the attached table to analyze as necessary (it has two worksheets, one with the daily data and another focusing only on the 22 highest delta-DV values for each year.
- Do the same for the base case and control scenarios modeled with a 17ppb NH3 background.

Hope this helps

Ranil//

From: Newman, Alan (ECY)
Sent: Monday, July 20, 2009 10:38 AM
To: Dhammapala, Ranil (ECY)
Cc: Burmark, Robert (ECY); Schneider, Douglas (ECY)
Subject: PT Paper BART determination

Ranil, for this BART analysis you analyzed and reprocessed the modeling information from the company to extract the 17ppm modeling case and revert the modeled results back to the original IMPROVE formula.

In order to support the analysis in the BART support Document, we need you to produce a full explanation of what you did and the results of that work.

The e-mail you sent us on 4/17/09 is a little weak on what you did and really only covers the result.

A memo to Bob would be an excellent way to document what you did.

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