RE: date segments

Brattin, Bill to: Hilbert, Timothy (hilbertj) 09/28/2012 08:22 AM

From: "Brattin, Bill" <brattin@srcinc.com>
To:
Cc: Benson.Bob@epamail.epa.gov, Berry.David@epamail.epa.gov

Here are un-weighted fits I generated in Excel
For indoor jobs, the fit is 3-segment exponential, with cutoff dates of 1/1/1975 and 1/1/1980.
For outdoor jobs, the fit is 2-segment exponential, with a cutoff date of 1/1/1980.
We can adjust the cutoff dates if needed, but these seem to be fairly reasonable to me.
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From: Hilbert, Timothy (hilbertj) [mailto:HILBERTJ@UCMAIL.UC.EDU]
Sent: Friday, September 28, 2012 8:06 AM
To: Brattin, Bill
Subject: date segments

Bill, Carol and I went through the available information re engineering controls to try to ascertain what would be the most appropriate dates to make the segments at. A series of substantial engineering changes were initiated in 1975 and ongoing through 1980. Identifying a specific date when the impact of these changes should be detected for modeling purposes is limited by our knowledge of only the year of initiation. For first modeling efforts, 1/1/1975 could be used, but may not align with measured airborne data for the entire year of 1975 as we do not know when within each year any specific control was fully functional. 1/1/76 might be just as valid as the controls likely were implemented throughout 1975.

Tim

- winmail.dat - Trionize 3 or 2 part exponential fit common b terms.pdf