

From: Hartsfield, Sam
Sent: Wednesday, August 08, 2007 11:35 AM
To: Paul Mairose
Subject: RE: Gorge Modeling Report Comments Due Aug 8, 2007

Paul,

Based on my review of the modeling report, I have one comment. I also would like to pass along a comment from one of my colleagues, David Breen.

My comment: In several locations throughout the report and the Executive Summary, statements are made that elemental carbon is associated with **non-road sources, including** heavy-duty engines on **highway trucks**. Were highway truck emissions really lumped in with non-road sources for the sake of modeling? If so, this needs to be made very clear in the discussions that follow, since one could reasonably assume that the inclusion of highway trucks might notably skew the relative contribution of "non-road" sources. If not (and I'm pretty sure that this is indeed misstated), the wording should be corrected to reflect reality.

2 examples are found on page ES-15:

"...elemental carbon further shows a large contribution from in-gorge non-road sources, which implicate diesel emissions from railroads, barges, and heavy duty trucks."

"Elemental carbon in particular has a large non-road component, likely due to heavy duty diesel engines on highway trucks, barges, and railroads."

Further examples can be found on ES-19, 5-17, and 7-15.

Below I have copied/pasted David Breen's comment (which I guess is more like a comment with a question):

"I'm a bit concerned with the marine vessel data set that was used in their model: "With partial funding from the California Air Resources Board (ARB) and the Commission for Environmental Cooperation in North America (CEC), gridded emissions for North American marine commercial shipping are available for the 2002 base year at 4-km resolution (Wang et al., 2006). The inventory was estimated using the Waterway Network Ship Traffic, Energy and Environment Model (STEEM) to characterize ship traffic, estimate energy use and assess the environmental impacts of shipping (Corbett et al., 2006). How can we find out more information?"

Please let me know if you have any thoughts, questions, comment, etc for me or David.

Thanks,
SAM

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