

1 **Preliminary Comments on the REA from Dr. David Peden**

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3 **Introduction and Background for the Risk and Exposure Assessment (Chapter 1)**
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5 *1. Does the Panel find the introductory and background material, including that pertaining to*
6 *previous SO2 exposure/risk assessments, to be clearly communicated and appropriately*
7 *characterized?*
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9 The REA is well written and does convey the introductory information well.
10

11 **Conceptual Model and Overview of Assessment Approach (Chapter 2)**
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13 *2. Does the Panel find the conceptual model summarized in section 2.1 to adequately and*
14 *appropriately summarize the key aspects of the conceptual model for the assessment?*
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16 Yes. Inclusion of other health outcomes (respiratory events) is useful. A focus on asthmatics
17 continues to be appropriate
18

19 *3. Does the overview in section 2.2 clearly communicate key aspects of the approach*
20 *implemented for this assessment?*
21

22 Yes
23

24 **Population Exposure and Risk (Chapter 4)**
25

26 *8. Does the Panel find the presentation of, and approaches used for, key aspects of the exposure*
27 *modeling, including those listed below, to be technically sound and clearly communicated?*
28

29 The mathematical modeling specifically is not my expertise. However, the specific elements
30 which need to be considered are outlined below
31

32 *a. Representation of simulated at-risk populations (section 4.1).*
33

34 Appropriate
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36 *b. Estimation of elevated ventilation rate (section 4.1.4.4).*
37

38 Appropriate
39

40 *c. Representation of microenvironments (section 4.2).*
41

42 Yes

09-18-17 Preliminary Draft Comments from Clean Air Scientific Advisory Committee (CASAC) Sulfur Oxides Panel. These preliminary pre-meeting comments are from individual members of the Panel and do not represent CASAC consensus comments nor EPA policy. Do not cite or quote.

1 *d. Derivation of the exposure-response functions (section 4)*

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3 Appropriate

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