

05-05-11 Preliminary Draft Comments from Clean Air Scientific Advisory Committee (CASAC) Lead Review 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 Do not cite or quote.

Preliminary Comments from Dr. Joel Pounds

The scope and organization of the science assessment is logical and quite thorough. The document was clear without significant ambiguities and well written and organized. This plan gives confidence that the NAAQS will be efficient and useful.

Page. 4-4. The Criteria for Study Selection does not explicitly include evaluation of the adequacy of the analytical methods to support the conclusions. Item #4 could be reworded to 4. Are health, welfare effect, or analytical measurements suitable to support meaningful and reliable conclusions?

Page 4-10, Many systems-based approaches and technologies are beginning to be employed for biomarker discovery, toxicity pathway identification, gene-environment interactions, etc. Consider explicit literature evaluate in this area, such as 8. To what extent does new scientific tools (transcriptomics, proteomics, metabolomics, SNPs,) increase our understanding of modes of action or biological markers of lead exposure and response.