

Preliminary Comments on the PA from Dr. Herbert E. Allen

Comments on Chapter 5

Generally this Chapter is well-written and follows the important information in the ISA. There are several places that need attention.

Page 5-5 lines 27-30. This sentence references section 7.4.24 of the ISA. However, the ISA does not contain a section 7.4.24. The statement that “dissolved organic carbon and DOM [i.e., dissolved organic matter] do not have the same effect on free lead ions” is very misleading. Dissolved organic carbon is not a substance. It is means of expressing the concentration of the carbon contained dissolved organic matter and is typically used to express the results of instrumental carbon analysis.

Page 5-6 line 35 – page 5.7 line 2. The lead concentration of 2.5 μM is not a concentration in soil, but the concentration in a solution to which the nematodes were exposed.

Page 5-19 line 15. Rather than “from 5 ppb to about 5 ppt” it would be more appropriate to write “from 5 $\mu\text{g/L}$ to 5 ng/L ”.

Comments on Chapter 6

I believe this Chapter is acceptable as written. The conclusions are clearly stated and justified.