

August 8, 2006

Chapter 3 Errata

p. 3-4, lines 15-18 should read: “Evidence of the effects of short-term and long-term exposure to O₃ on the respiratory system is discussed in sections 3.3.1.1 and 3.3.1.2, and evidence of O₃-related cardiovascular effects in section 3.3.1.3.”

p. 3-5, line 17: delete “and” before (5)

p. 3-5, line 19 should read: “. . . ; this attenuation is lost after about a week without exposure; and (6) acute O₃ exposure initiates an inflammatory response which may persist for at least 18 to 24 hr post exposure (CD, p. 6-2).”

p. 3-5, lines 22 and 23 should read: “. . . in Tables AX6-1 and AX6-2 of the CD (p. AX6-5 to AX6-7 and AX6-11 to AX6-12) and reproduced as Tables 3C-1 and 3C-2 . . .”

p. 3-6, lines 2 and 8 change citations to: Adams 2003a

p. 3-8, line 27 change citation to: (CD, p. 7-43)

p. 3-8, line 29 change citation to: (CD, p. 7-46)

p. 3-9, line 2 change citation to: (CD, p. 7-40 to 7-46)

p. 3-13, line 12 and 13 should read: “. . . single, acute exposure (≥ 0.08 to 0.1 ppm) . . .”

p. 3-14, lines 32 and 33 delete: “. . . ; several other human studies reported similar effects but with higher exposure concentrations . . .”

p. 3-16, lines 16 and 17 delete: “. . . being used in the quantitative risk assessment conducted in the last O₃ NAAQS review . . .”

p. 3-20, line 17 change citation to: (CD, p. 7-122)

p. 3-25, line 10 change citation to: (CD, p. 7-84)

p. 3-26, line 4 and 5 change citation to: (CD, Figure 7-21, p. 7-97)

p. 3-26, line 16 change citation to: (CD, p. 7-100)

p. 3-26, line 23 should read: “. . . section 3.4, Huang et al. (2005) assessed . . .”

p. 3-26, line 26 should read: “. . . design, Schwartz (2005) assessed . . .”

p. 3-27, line 19 change citation to: Figure 7-21

p. 3-27, line 21 change citation to: (CD, p. 7-98)

p. 3-27, line 33 change citation to: (CD, Figure 7-22, p. 101)

p. 3-28, lines 11 to 14 should read: Most of the single-pollutant model estimates from single-city studies range from 0.5 to 5% excess deaths per standardized increments. Corresponding summary estimates in large U.S. multi-city studies ranged between 0.5 to 1% with some studies noting heterogeneity across cities and studies (CD, p. 7-110).

p. 3-30, line 12 change citation to: CD (p. 7-106)

p. 3-31, lines 2 to 11 should read: “. . . time-series studies provide the strongest evidence to date for O₃ effects on acute mortality. Recent meta-analyses also indicate positive risk estimates that are unlikely to be confounded by PM; however, future work is needed to better understand the influence of model specifications on the risk coefficient (CD, p. 7-175). For cardiovascular mortality, the CD (Figure 7-25, p. 7-106) suggests that effect estimates are consistently positive and more likely to be larger and statistically significant in warm season analyses. The CD (p. 8-78) concludes that these findings are highly suggestive that short-term O₃ exposure directly or indirectly contribute to non-accidental and cardiopulmonary-related mortality, but additional research is needed to more fully establish underlying mechanisms by which such effects occur.”

- p. 3-34, line 15 change citation to:** (CD, p. 8-77)
- p. 3-35, line 9 spelling error:** multiple-
- p. 3-35, line 10 should read:** “. . . in different places and times. . .” [i.e., add s to time]
- p. 3-40, line 19 change citation to:** (CD, p. 7-101)
- p. 3-40, line 22 change citation to:** (CD, p. 7-102)
- p. 3-40, line 28 change citation to:** (CD, p. 7-79 to 80)
- p. 3-40, line 31 change citation to:** (CD, p. 7-154)
- p. 3-41, line 11 change citation to:** “. . . weather variables (CD, p. 7-14).”
- p. 3-41, line 23 delete citation:** (CD, p. 7-15)
- p. 3-44, line 19 delete:** “o” before O₃
- p. 3-52, line 18 change citation to:** (CD, p. 7-108)
- p. 3-55, line 6 should read:** “. . . discussed in section 3.3.1.3, the . . .”
- p. 3-67, line 27 to 30 should read:** “. . . cardiovascular or cardiopulmonary causes. The CD concludes that current cardiac physiologic effects evidence from some field studies is rather limited but supportive of a potential effect of short-term O₃ exposure and HRV, cardiac arrhythmia, and MI incidence (CD, p. 7-65).”
- p. 3-67, line 32 should read:** “. . . studies is generally inconclusive regarding an . . .”
- p. 3-80, lines 7 to 9 should read:** “. . . Overall, the 2006 CD concludes that the majority of these findings suggest an elevated risk of all-cause mortality associated with short-term O₃ exposure, especially in the summer or warm season when O₃ levels are typically high. Slightly greater effects were observed for cardiovascular mortality (2006 CD, p. 7-175). . . “

A number of references also have been included in the reference list that had been missing in the draft sent out previously.

Chapter 7 Errata

- p. 7-21, Figure 7-3, data error:** 24-hr W126 data was plotted and it has been corrected to plot 12-hr W126. Legend was also corrected. “Smoke” should read “Smokey”
- p. 7-23, Figure 7-4, data error:** 24-hr W126 data was plotted and it has been corrected to plot 12-hr W126.
- p. 7-24, Figure 7-5, data error:** 24-hr W126 data was plotted and it has been corrected to plot 12-hr W126.
- p. 7-37, Figure 7-11, shading corrected:** prints better in black and white