PRINCIPLES OF RADIOLOGICAL HEALTH AND SAFETY

ERRATA

P 15. In the figure, change level 1 to 2, and level 2 to 1.

P 21. Line 27. “…25 million.” should be “25 million watts.”

P 23. Line 17. Change “Example 1-4” to “Example 1-3”

Line 33. Delete line 33.
Line 34. Center line 34.

P 35. Line 26. Change “seems” to “seemed”
Line 29. Change “in” to “on”

P 41. The value for e should be: \( e = 1.602176462 \times 10^{-19} \text{ C} \)

P 43. Line 6. “but it didn’t”
Line 5. “decrease (see Figure 2-10)…”


P 58. Line 24. dierent is misspelled: should be “different”
Line 27. “− emission” should be “β− emission”

P 70. Figure 3-16. 3rd line of footnote \(^{99m}\text{Tc}\) should be \(^{99m}\text{Tc}\)

P 75. Figure 3-22. 2nd line of caption, “principle” should be “principal.”

P 77. Figure 3-24. Last line of footnote \(^{137}\text{mBa}\) should be \(^{137}\text{mBa}\)
P 83. Line 26. $800e^{(\ln 2/2)11}$ should be $800e^{-(\ln 2/2)11}$

P 92. Line 5. C is a minus value; include a minus sign on the right side of the equation

P 99. Last line. “$N_i^o$” should be “$N_i^o$”

P 105. Line 17, “–2.42 keV” should be “–2.52 keV” as shown in Figure 4-4.


P 107. 11th line from bottom “life” should be “half life”

P 111. Line 23. Add $^{234}$U, before $^{230}$Th

P 112. Table 4-2 caption, place a comma after $Y_i$ so that it reads $Y_{i,}$

P 121. Line 18. Change “denotes” to “denoted as $\sigma$, represents…”
   Lines 23 and 24. Delete “Schematically, the “cross sectional area” presented to the incoming projectile can be represented as where…”;
   Change “the energy…” to “The energy…”

P 131. Line 19. Change “$A_2 (t) = \sigma \phi N$” to “$A_2 (t) = \sigma \phi N_i^o$”

P 132. $\sigma_y$ for $^{186}$W = 37.8 b, not 38 b

P 136. Line 2. $^{233}$U, not $^{238}$U

P 145. Line 11. Change – sign in brackets to +
P 146. Line 1. Change “…is appropriate…” to “…is usually appropriate…”

P 154. Line 3. P_t should be \( \rho_t \)

P 160. Line 14. Change “P_a” to “\( \rho_a \)”

P. 171. Line 8. Change “\(^{137}\text{Cs}…”” to “\(^{137}\text{Cs})”

Line 24. “bremsstrahlung” is misspelled; should be “bremsstrahlung”

P 173. 3rd line from bottom “…all…” should be “…all radiations, and…”

P 174. Line 7. “Nacl” should be “Nucl”

P 279. Line 6. “J/kg” should be “J/kg⋅t”

P 288. Table 9-6. Line 21. Change 600 d to 60 d

Line 38. Change 29.1 y to 28.78 y

P 299. Line 14. “mm” should be “\( \mu \text{m} \)”

P 305. Figure 9-6. “\( \lambda_{ab} \)” should be “\( \lambda_{ab} \)”

P 322. Line 13. “5.865” should be “5.685”

P 324. Line 19. Change “…organ at a…” to “…organ for a…”


P 347. Line 7. RIFs should be RI/FS

Line 12. Put a period after (ARARs); delete “as follows”
P 360. Line 9. Eliminate the period; change “Which” to “which”

P 371. Line 12. Change “…20 mrem/hr…” to “…200 mrem/hr…”

P 378-380. Columns in Table 11-4 mislabeled: change Normal to Special; Special to Normal.

P 380. Line 17. “ln” should be “in”

P 399. Equation 12-3. Should be $\chi(x,0,0,0) = \frac{Q(#/s)}{\pi\sigma_y\sigma_z u}$

Line 23. Add minus signs; i.e., $-1^\circ$ F/100 m or $-5.4^\circ$ F/1000 ft.

P 415. Line 11. “$\Sigma y$” should be “$\Sigma y =”

P 427. Line 7. Should read: a) at $t = 0$, $k_s = 10^{-5}$ m$^{-1}$, and …

P 437. Last line. Exponents of $e$ (which is too small) should be smaller as in equation 13-1 above.

P 453. Line 6. Change the semicolon to a comma

P 463. Line 18. Change the comma after wastes to a semicolon; capitalize Naturally-Occurring.

P 472. Line 6. Change “once disposed” to “following their disposal”

Line 14. Change “Small-volumes” to “small volumes”

P 479. Line 11. Change “vault” to “vaults”

P 506. Line 6. $K_2$ should be $K_{\beta 2}$