

SFPE Handbook of Fire Protection Engineering, 5th Edition Errata



Contents

Page XV – Chapter 36 is in Volume 2, not Volume 1.

Chapter 6

Page 156 -- Table 6-1, header for table should be:

| | K_A | K_B | K_C | K_D | K_E | K_F | K_G | K_H | K_I | K_J | K_K | K_L | K_M |
|-----------------|----------------------|----------------------|-------------------------------|--|------------------------|---------------------------------|--|----------------------|------------------------|------------------------|--|--|--|
| Temperature (K) | $\frac{1}{2}O_2 = O$ | $\frac{1}{2}H_2 = H$ | $H_2 + \frac{1}{2}O_2 = H_2O$ | $\frac{1}{2}H_2 + \frac{1}{2}O_2 = OH$ | $C_{(s)} + O_2 = CO_2$ | $C_{(s)} + \frac{1}{2}O_2 = CO$ | $\frac{1}{2}N_2 + \frac{1}{2}O_2 = NO$ | $\frac{1}{2}F_2 = F$ | $\frac{1}{2}Cl_2 = Cl$ | $\frac{1}{2}Br_2 = Br$ | $\frac{1}{2}H_2 + \frac{1}{2}F_2 = HF$ | $\frac{1}{2}H_2 + \frac{1}{2}Cl_2 = HCl$ | $\frac{1}{2}H_2 + \frac{1}{2}Br_2 = HBr$ |

Chapter 13

Page 400, Figure 13.3 – on the scale for Q^* , the right most value should read 10^6 not 10^5 .

Chapter 40

Page 1373 – First equation should read $E = \frac{45 \text{ cd}}{(10.5 \text{ m})^2} = 0.41 \text{ lumens/m}^2$

Page 1373 – Second equation should read $E = \frac{45 \text{ cd eff}}{(12.2 \text{ m})^2} = 0.29 \text{ lumens/m}^2$

Chapter 42

Page 1430 -- First equation should read $P = \left(\frac{Q}{K}\right)^{1.85} = \left(\frac{25.2}{5.6}\right)^2 = 20.2 \text{ psi}(1.4\text{bar})$

Chapter 51

Page 1844 -- Equation (51.44), should read:

$$v_c = \left(2\rho_0^2 g\right)^{1/2} \left(\frac{T_0 \Delta T}{T^2}\right)^{1/2} A_v d^{1/2}$$

Page 1857 -- Halfway down the right column, it states: "The minimum average velocity to oppose smoke originating in the communicating space is evaluated using Equation 51.59." This should read "Equation 51.58."

Page 1857 – Halfway down the right column, it states: "Alternatively, if the smoke at the opening is part of a rising plume that is rising along the side of the atrium wall, then Equation 51.60 is applicable. "This should read "then Equation 51.59 is applicable."

Chapter 52

Page 1863 – Bottom of Page – Should read: "N. Iwankiw is with Jensen Hughes, Chicago, IL."

Page 1908 -- Nestor Iwankiw's bio should read: "Nester Iwankiw is A senior engineer at Jensen Hughes, Chicago, IL involved in testing, analyses, product development, and code compliance for structural fire resistance."

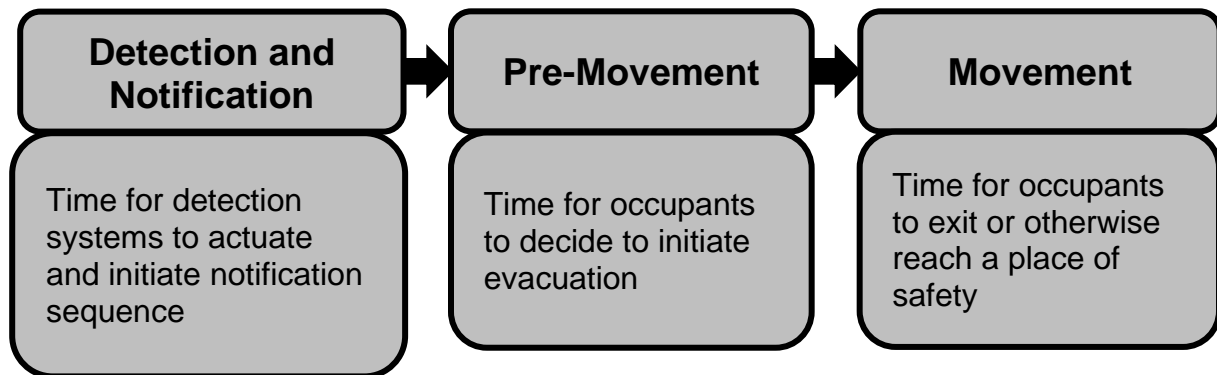
Chapter 53

Page 1912 -- Equation 53.2, the first entry should read;
"k = 0.022T + 48 for 0 ≤ T ≤ 900 °C"

Page 1921 -- Table 53.3, when looking at equation for "Column/concrete cover or Encased" units for R_0 should be IN hours.

Chapter 56

Figure 56.4 should read:



Chapter 70

Page 2770 -- Table 70.1, title should read "Explosibility data for representative powders and dusts^a"

Chapter 74

Page 2930 -- the unnumbered equation at top of the page should read:

$$R(t) = \sum_{r=k}^n \binom{n}{r} [R(t)]^r [1 - R(t)]^{n-r} = 1 - \sum_{r=0}^{k-1} \binom{n}{r} [R(t)]^r [1 - R(t)]^{n-r}$$