Gamma Radiation Safety Study Guide

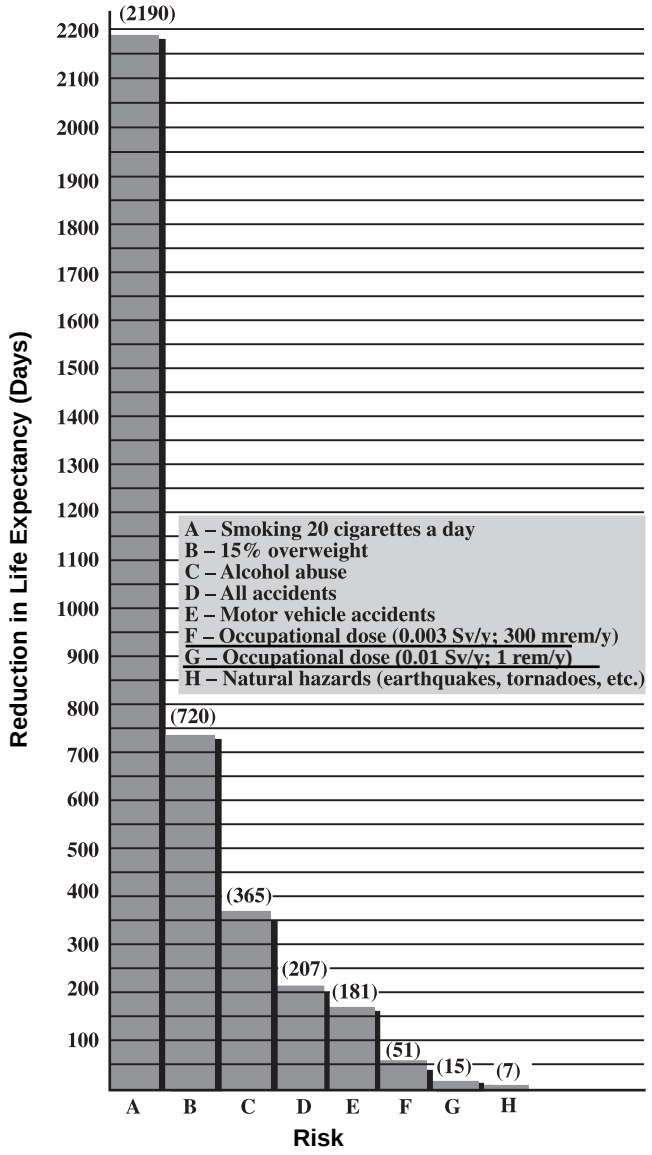
Text Corrections

The following text corrections apply to the first printing of the *Gamma Radiation Safety Study Guide*. Subsequent printings of the document will incorporate the corrections into the published text.

Page 24

Figure 4.3 should be changed as indicated.

Figure 4.3: Estimated loss of life expectancy from risks in life compared to a radiographer's risk from radiation.



Sources: NRC Regulatory Guide 8.29, 1996, and *The World Almanac© and Book of Facts 1997*.

Page 44
Q.4, answer c should read, “0.041 C/kg/h (5.9 R/h)”

Page 70
Table 8.1 should read:

Table 8.1: The amount of radioactivity allowed during transportation

Type of Package	Material	Activity
Type A	Ir-192 Co-60	≤ 1 TBq (27 Ci) ≤ 0.4 TBq (10.8 Ci)
Type B	Ir-192 Co-60	> 1 TBq (27 Ci) > 0.4 TBq (10.8 Ci)

Page 71
The table in Figure 8.14 should read:

Transport Index	Maximum Radiation Level at Any Point on the External Surface
White I Label	
0	≤ 0.5 mR/h (≤ 0.005 mSv/h)
Yellow II Label	
> 0 but ≤ 1	> 0.5 mR/h but ≤ 50 mR/h (>0.005 mSv/h but ≤ 0.5 mSv/h)
Yellow III Label	
> 1 but ≤10	> 50 mR/h but ≤ 200 mR/h (>0.5 mSv/h but ≤ 2.0 mSv/h)
Yellow III Label (must be shipped under exclusive use provisions)	
> 10	> 200 mR/h ≤ 1000 mR/h (>2.0 mSv/h but ≤ 10 mSv/h)

Page 76
The distractors for Q.9 should read: “a. one side of the vehicle; b. two sides of the vehicle; c. four sides of the vehicle; d. all sides of the vehicle.”

Page 87
Chapter 3, Q.7 answer is “c”
Chapter 3, Q.11 and Q.12 answers should be deleted – there are only 10 questions
Chapter 4, Q.7 answer is “true”
Chapter 6, Q.3 answer is “false”
Chapter 5, Q.5 answer is “472 mR/h”
Chapter 5, Q.6 answer is “35 mR/h”
Chapter 6, Q.3 answer is “false”
Chapter 7, Q.7 answer is “d”
Chapter 8, Q.5 answer is “c”
Chapter 8, Q.7 should be “c”