

Table 4.12-1 Direct Radiation Annual Dose Equivalent by Source (10 MSWU facility)

Location	Annual Occupancy (hours/year)			UBC Storage Pad and CRDB Total mSv/yr (mrem/yr)
Site Fence, North (1576 ft)*	2,000			0.094 (9.4)
Site Fence, South (2200 ft)*	2,000			0.050 (5.0)
Site Fence, East (737 ft)*	2,000			0.085 (8.5)
Site Fence, West (1790 ft)*	2,000			4.9×10^{-4} (4.9×10^{-2})
Nearest Actual Business, North 0.5 km (0.3 mi)**	2,000			0.093 (9.3)
Nearest Actual Residence, West 4.2 km (2.63 mi)***	8,760			$<4.0 \times 10^{-25}$ (4.0×10^{-27})

* Distance from the closest edge of the pad.

** Distance is conservatively based on the business property line closest to the site.

*** Distance from the center of the site. Dose equivalent conservative based on dose profile from the northern direction of the UBC Storage Pad.