

Radiation Protection Program  
Annual Review  
1999  
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**Exposure to Members of the Public**

Exposure to members of the public residing close to the Dickerson facility were determined on the basis of dosimetry, surveys, and information provided by individual neighbors regarding their living habits. Of the closest residences, [redacted] was determined to be the person most likely to receive the highest exposure. TLDs were placed inside and outside the [redacted] home and collected quarterly. The net dose reported for 1989 inside and outside of the [redacted] home were 86 mrem and 105 mrem, respectively. Additional dosimeters were placed at the [redacted] residence and Neutron's rental property. The inside annual dose was 17 mrem and 40 mrem, respectively.

The interior badge at the [redacted] residence is hung at approximately the highest dose point inside the home. Assuming that [redacted] spends 100% of his time in the highest dose point of the home his exposure, above background, would be approximately 88 mrem for 1999. This represents a 13% reduction in exposure from the previous year. We believe the assumption to be sufficiently conservative to demonstrate compliance with D.301 by D.302b(1).

Internal exposure to the most highly exposed cohort from airborne release from the hot cell exhaust is less than 1 mrem CEDE as determined using EPA's COMPLY V1.5d program.

do	dosimeter placed inside	(b)(6)	cause	based on
				dose
				rules
	in 1997	(86-93 mrem)		
	1998	77 mrem		
	1999	66 mrem		

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