

TABLE XI-1

Radionuclide Deposition Limits for Evacuation  
and Restrictions on Farming, Ci/m<sup>2</sup>

Isotope	Evacuation		Restrictions on Farming	
	Direct Radiation	Inhalation	First Year	Longer
<sup>90</sup> Sr	-	$2 \times 10^{-4}$	$4 \times 10^{-5}$	$2 \times 10^{-4}$
<sup>137</sup> Cs	$3 \times 10^{-5}$	$1 \times 10^{-3}$	$2 \times 10^{-6}$	$8 \times 10^{-5}$
<sup>238,239</sup> Pu	-	$1 \times 10^{-7}$	-	-

TABLE XI-2

## Radiation Dose Criteria

*Evacuation Limits*

External Irradiation	10 rem to whole body in 30 years
Inhalation	75 rem to critical organ in 50 years

*Farming Restrictions  
(Short Term)*

<sup>90</sup> Sr	5 rem to bone marrow in first year <sup>a</sup>
<sup>137</sup> Cs	5 rem to whole body in first year <sup>a</sup>

*Farming Restrictions  
(>1 year)*

<sup>90</sup> Sr	(5 rem to bone marrow in 50 years)/year
<sup>137</sup> Cs	(1 rem to whole body in 50 years)/year

- a. The 50-year dose commitments due to these exposures in the first year are about 25 rem to the bone marrow from <sup>90</sup>Sr and 5 rem to the whole body from <sup>137</sup>Cs. (Almost all the dose from <sup>137</sup>Cs is received in the year in which it is ingested.)