

TABLE V-6

Non-Nuclear Occupational Injuries During the Operating Campaign<sup>a</sup>

Alternative	<u>Operational Modules</u>				Total per Year	Total for Campaign <sup>b</sup>
	<u>Removal from Tanks</u>	Processing	Transportation	Storage		
Alternative 1 -						
Continue storage in tanks	5.5 <sup>c</sup> 0.0047 0.00059	Not applicable	Not applicable	3.0 0.0027 0.00034	8.6 0.0074 0.00093	1160 1.03 0.13
Alternative 2, Subcase 1 -						
Process to glass; ship to offsite geologic disposal <sup>e</sup>	1.5 0.0013 0.00016	80.5 0.078 0.0089	<i>d</i> 1.6 0.052	0.58 0.00051 0.00006	83 1.7 0.061	990 16 0.63
Alternative 2, Subcase 2 -						
Process to glass; surface storage at SRP <sup>e</sup>	1.5 0.0013 0.00016	80.5 0.078 0.0089	Not applicable	2.3 0.0021 0.00026	84 0.081 0.0093	1500 1.3 0.17
Alternative 2, Subcase 3 -						
Process to glass; disposal in SRP bedrock cavern <sup>e</sup>	1.5 0.0013 0.00016	80.5 0.078 0.0089	Not applicable	0.58 0.00051 0.00006	83 0.080 0.0091	990 0.87 0.11
Alternative 3 -						
Slurry liquid waste into SRP bedrock cavern	1.5 0.0013 0.00016	Not applicable	Not applicable	0.58 0.00051 0.00006	2.1 0.0018 0.00022	190 0.16 0.021

a. Three annual numbers are given in each column for each alternative: top numbers are minor injuries; middle numbers are major injuries; bottom numbers are deaths.

b. See Table V-4 and text for campaign times.

c. These include reconstituting waste and transferring to new tanks every 50 years and decontamination of old tanks.

d. Transportation accident data were taken from Reference 8.

e. These numbers were developed specifically for glass waste forms, but should be quite similar for most of the other immobilization forms being investigated.