

TABLE XII-1

Quantifiable Environmental Impacts

	<i>Alternative 1</i>	<i>Alternative 2</i>			<i>Alternative 3</i>
	<i>Continued Tank Farm Operation</i>	<i>Subcase 1 Glass Shipped to Offsite Repository</i>	<i>Subcase 2 Glass in SRP Surface Storage</i>	<i>Subcase 3 Glass in SRP Bedrock</i>	<i>Liquid in SRP Bedrock</i>
Occupational Radiation Exposures Based on SRP Experience, man-rem ^a	360	3,800	2,700	2,400	42
Occupational Radiation Exposures Based on DOE Standards, man-rem ^a	4,300	30,000	32,000	28,000	500
Offsite Population Dose Risk, man-rem ^b (300 yr)	1,400	650	220	340	62,000
Offsite Population Dose Risk, man-rem ^b (10,000 yr)	2,300	650	340	340	140,000
Offsite Population Dose, man-rem (300 years)	230,000,000	230,000,000 ^d	230,000,000	230,000,000	230,000,000
From Natural Radiation, man-rem (10,000 years) ^c	7,700,000,000	7,700,000,000	7,700,000,000	7,700,000,000	7,700,000,000
Potential for Accidental Offsite Land Contamination (from Sabotage), acres	130,000	139,000	139,000	139,000	130,000
Non-Nuclear Accidental Fatalities from Construction and Operations	17.1	6.5	6.6	6.2	2.2
Budgetary Cost, millions of 1980 dollars	510	3,600	3,750	3,610	755

a. Campaign totals for all workers.

b. Consequences times probabilities, summed over all events and integrated for 300 years and 10,000 years.

c. For the same time period and population as above.

d. The natural radiation calculations assume the population distribution around the offsite repository would be the same as around the SRP site. This is conservative, because the offsite repository would probably be located in a sparsely populated region.