

TABLE XI-5

Summary of Costs and Exposure Risks for Alternative 1:  
Storage of Waste as Sludge and Damp Salt Cake in Onsite Waste Tanks  
(Present SRP Waste Management Technique)

<i>Event</i>	<i>Population Dose for Maximum Year, man-rem</i>	<i>Probability, events/year</i>	<i>Maximum Risk, man-rem/year</i>
Removal From Tanks	Not applicable	Not applicable	Not applicable
Processing	Not applicable	Not applicable	Not applicable
Transportation	Not applicable	Not applicable	Not applicable
Storage			
Routine Releases	1.4	1.0	1.4
Spill During Transfer	$5.3 \times 10^2$	$5.0 \times 10^{-3}$	2.6
Explosion	$3.0 \times 10^4$	$1.0 \times 10^{-4}$	3.0
Sabotage by Dispersal	$2.3 \times 10^4$	$1.0 \times 10^{-5}$	$2.3 \times 10^{-1}$
Sabotage by Explosion	$9.8 \times 10^3$	$1.0 \times 10^{-5}$	$9.8 \times 10^{-2}$
Airplane Crash	$1.1 \times 10^4$	$1.0 \times 10^{-5}$	$1.1 \times 10^{-1}$
Abandonment	$2.7 \times 10^4$	$1.0 \times 10^{-5}$	$2.7 \times 10^{-1}$
Time-Integrated Risk, man-rem (300 years) (with abandonment)		$2.4 \times 10^4$	
Risk Value at \$1000/man-rem, millions		\$24	
Budgetary Cost, millions		\$510	
Total Cost, millions		\$534	
Incremental Cost-Risk, dollars/man-rem		(Base Case)	
Time-Integrated Risk, man-rem (10,000 years)		$2.3 \times 10^3$	
Natural Background Exposure, man-rem (10,000 years)		$1.0 \times 10^{10}$	
Possible Waste Management Health Effects		0.5	
Health Effects from Natural Background		2,000,000	