

Table S-4. Summary of Offsite Human Health Impacts

Site	No Action Alternative			Alternative A			Alternative B		
Envirocare ^a	Disposal of Class A LLW ^b			Disposal of LLW ^c and mixed LLW ^d			Disposal of LLW ^c and mixed LLW ^d		
	Worker	MEI	Population	Worker	MEI	Population	Worker	MEI	Population
	(LCF)			(LCF)			(LCF)		
	5.4×10^{-3}	6.9×10^{-6}	NA ^e	3.6×10^{-2}	5.1×10^{-5}	NA	3.6×10^{-2}	5.1×10^{-5}	NA
Hanford Site	Disposal of Class A LLW ^b			Disposal of LLW ^c and mixed LLW ^d			Disposal of LLW ^c and mixed LLW ^d		
	Worker	MEI	Population	Worker	MEI	Population	Worker	MEI	Population
	(LCF)			(LCF)			(LCF)		
	5.4×10^{-3}	6.9×10^{-6}	NA	3.6×10^{-2}	5.1×10^{-5}	NA	3.6×10^{-2}	5.1×10^{-5}	NA
							Interim Storage of TRU waste ^f		
							Worker	MEI	Population
							(LCF)		
	1.3×10^{-3}	3.4×10^{-8}	1.7×10^{-3}						
	Interim Storage of HLW ^g								
	Worker	MEI	Population						
(LCF)									
3.6×10^{-2}	NA	NA							
INEEL	No activities			No activities			Interim Storage of TRU waste ^f		
							Worker	MEI	Population
	(LCF)								
	2.5×10^{-3}	5.1×10^{-8}	4.1×10^{-4}						
NTS	Disposal of Class A LLW ^b			Disposal of LLW ^c and mixed LLW ^d			Disposal of LLW ^c and mixed LLW ^d		
	Worker	MEI	Population	Worker	MEI	Population	Worker	MEI	Population
	(LCF)			(LCF)			(LCF)		
	4.8×10^{-3}	3.0×10^{-16}	NA	3.2×10^{-2}	2.1×10^{-15}	NA	3.2×10^{-2}	2.1×10^{-15}	NA
ORNL	No activities			No activities			Interim Storage of TRU waste ^f		
							Worker	MEI	Population
	(LCF)								
	9.0×10^{-4}	1.4×10^{-8}	4.6×10^{-4}						

Table S-4. Summary of Offsite Human Health Impacts (cont)

Site	No Action Alternative	Alternative A			Alternative B		
						Interim Storage of TRU waste^f	
SRS	No activities	No activities			Worker	MEI	Population
					(LCF)		
					7.4×10^{-4}	2.1×10^{-10}	2.3×10^{-5}
					Interim Storage of HLW^g		
					Worker	MEI	Population
					(LCF)		
					2.0 × 10 ⁻²	NA	NA
WIPP	No activities	Disposal of TRU waste^f			Interim Storage of TRU waste^f		
		Worker	MEI	Population	Worker	MEI	Population
		(LCF)			(LCF)		
		1.0×10^{-2}	3.0×10^{-9}	3.0×10^{-6}	1.6×10^{-4}	6.9×10^{-7}	2.6×10^{-3}
		Disposal of TRU waste^f			Disposal of TRU waste^f		
		Worker	MEI	Population	Worker	MEI	Population
					1.0×10^{-2}	3.0×10^{-9}	3.0×10^{-6}
Yucca Mountain Repository	No activities	Disposal of HLW^g			Disposal of HLW^g		
		Worker	MEI	Population	Worker	MEI	Population
		(LCF)			(LCF)		
		6.8×10^{-2}	3.1×10^{-7}	2.0×10^{-2}	6.8×10^{-2}	3.1×10^{-7}	2.0×10^{-2}

- Impacts of disposal of Class A LLW and mixed LLW at Envirocare are assumed to be similar to impacts at Hanford.
- The volume Class A LLW to be disposed of would be 145,000 cubic feet. To convert cubic feet to cubic meters, multiply by 0.028.
- The volume of LLW to be disposed of would be 685,515 cubic feet. To convert cubic feet to cubic meters, multiply by 0.028.
- The volume of mixed LLW to be disposed of would be 7,889 cubic feet. To convert cubic feet to cubic meters, multiply by 0.028.
- NA = Not available.
- The volume of TRU waste to be stored or disposed of would be 49,000 cubic feet. To convert cubic feet to cubic meters, multiply by 0.028.
- The volume of HLW to be stored or disposed of is assumed to be 300 canisters for purposes of analysis; actual number of canisters is 275.

Sources: *Final Waste Management Programmatic Environmental Impact Statement for Managing Treatment, Storage, and Disposal of Radioactive and Hazardous Waste*, DOE/EIS-0200-F (May 1997) and the *Waste Isolation Pilot Plant Disposal Phase Final Supplemental Environmental Impact Statement*, DOE/EIS-0026-S-2 (September 1997).