Table 2-6. 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 2-6. Summary of Offsite Human Health Impacts (cont)

Site	No Action Alternative	Alternative A			Alternative B		
SRS	No activities	No activities			**Interim Storage of TRU waste[f]**		
					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]		
					Worker	**MEI**	**Population**
					(LCF)		
					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}

a. Impacts of disposal of Class A LLW and mixed LLW at Envirocare are assumed to be similar to impacts at Hanford.
b. 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.
c. 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.
d. 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.
e. NA = Not available.
f. 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.
g. 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: DOE 1997a, 1997b.