Table 2-5. Summary of Accident Impacts[a]

Accident	No Action Alternative[b]			Alternative A[b]			Alternative B[b]		
	Worker	MEI	Population[c]	Worker	MEI	Population[c]	Worker	MEI	Population[c]
	(LCF)			(LCF)			(LCF)		
Drum Puncture[d]	3.6×10^{-9}	1.4×10^{-9}	4.5×10^{-6}	6.0×10^{-8}	2.3×10^{-8}	7.2×10^{-5}	6.0×10^{-8}	2.3×10^{-8}	7.2×10^{-5}
Pallet Drop[d]	2.1×10^{-8}	8.4×10^{-9}	2.6×10^{-5}	3.5×10^{-7}	1.4×10^{-7}	4.4×10^{-4}	3.5×10^{-7}	1.4×10^{-7}	4.4×10^{-4}
Box Puncture[d]	4.3×10^{-8}	1.7×10^{-8}	5.4×10^{-5}	6.0×10^{-7}	2.3×10^{-7}	7.2×10^{-4}	6.0×10^{-7}	2.3×10^{-7}	7.2×10^{-4}
Drum Cell Drop	NA[g]	NA	NA	2.4×10^{-8}	9.6×10^{-9}	3.0×10^{-5}	2.4×10^{-8}	9.6×10^{-9}	3.0×10^{-5}
HIC[e] Drop	NA	NA	NA	7.5×10^{-7}	3.1×10^{-7}	9.6×10^{-4}	7.5×10^{-7}	3.1×10^{-7}	9.6×10^{-4}
CH-TRU Drum Puncture	NA	NA	NA	1.9×10^{-5}	7.8×10^{-6}	0.025	1.9×10^{-5}	7.8×10^{-6}	0.025
RHWF[f] Fire	NA	NA	NA	6.5×10^{-5}	2.6×10^{-5}	0.084	6.5×10^{-5}	2.6×10^{-5}	0.084
Collapse of Tank 8D-2 (Wet)[d]	1.2×10^{-6}	4.9×10^{-7}	1.5×10^{-3}	1.2×10^{-6}	4.9×10^{-7}	1.5×10^{-3}	1.2×10^{-6}	4.9×10^{-7}	1.5×10^{-3}
Collapse of Tank 8D-2 (Dry)[d]	1.4×10^{-6}	5.7×10^{-7}	1.8×10^{-3}	1.4×10^{-6}	5.7×10^{-7}	1.8×10^{-3}	1.4×10^{-6}	5.7×10^{-7}	1.8×10^{-3}

a. Based on atmospheric conditions (stability class and wind speed) that are not exceeded 50 percent of the time.
b. MEI = maximally exposed individual; LCF = latent cancer fatality (probability).
c. Collective dose to the 1.5 million people living within 80 kilometers (50 miles) of the WVDP site.
d. Ground-level release.
e. HIC = High integrity container.
f. RHWF = Remote Handled Waste Facility.
g. NA = Not Applicable. Accident scenario could not occur under specified alternative.

Note: Of the 12 accidents analyzed, 5 could occur under any of the three alternatives and 7 could occur only under Alternatives A or B (see Appendix C). The accident impacts shown for the No Action Alternative primarily involve Class A LLW. The accident impacts shown for Alternatives A and B primarily involve Class C LLW.