Table D8.55. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 224

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Current Industrial Worker (surface soil)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Industrial Worker (surface soil)	**1.5E-05**	PAH, Total Uranium-238	44% 56%	Ingestion Dermal Inhalation External exposure	10% 40% 0% 50%	**2.9**	Antimony	97%	Ingestion Dermal Inhalation	4% 96% 0%
Outdoor Worker (surface soil)	**2.1E-05**	PAH, Total Uranium-238	44% 56%	Ingestion Dermal Inhalation External exposure	52% 21% 0% 27%	**2.9**	Antimony	97%	Ingestion Dermal Inhalation	30% 70% 0%
Outdoor Worker (surface and subsurface soil)	**4.3E-05**	Arsenic PAH, Total Cesium-137 Uranium-238	46% 21% 6% 27%	Ingestion Dermal Inhalation External exposure	63% 18% 0% 19%	**3.3**	Antimony Arsenic Nickel	84% 4% 9%	Ingestion Dermal Inhalation	30% 70% 0%
Excavation Worker (surface and subsurface soil)	**8.7E-06**	Arsenic PAH, Total Uranium-238	45% 21% 27%	Ingestion Dermal Inhalation External exposure	62% 18% 0% 20%	**3.3**	Antimony Arsenic Nickel	84% 4% 9%	Ingestion Dermal Inhalation	30% 70% 0%
Future Adult Resident (surface soil)	**5.4E-05**	PAH, Total Uranium-238	49% 51%	Ingestion Dermal Inhalation External exposure	17% 37% 0% 46%	**7.0**	Antimony Barium	97% 2%	Ingestion Dermal Inhalation	5% 95% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**19.6**	Antimony Barium Uranium	97% 2% 2%	Ingestion Dermal Inhalation	19% 81% 0%

Table D8.55. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 224 (Continued)

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Future Adult Recreational User (surface soil)	**1.6E-05**	PAH, Total	74%	Ingestion	23%	**2.1**	Antimony	97%	Ingestion	5%
		Uranium-238	26%	Dermal	58%				Dermal	95%
				Inhalation	0%				Inhalation	0%
				External exposure	19%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**6.4**	Antimony	97%	Ingestion	4%
							Barium	2%	Dermal	96%
									Inhalation	0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**7.8**	Antimony	97%	Ingestion	19%
							Barium	2%	Dermal	81%
							Uranium	2%	Inhalation	0%

Total ELCR and total HI represent total risk or hazard summed across all routes of exposure for all COPCs.

*No COCs = There are no COCs.

ELCR for Future Adult Resident and Future Child Resident are the combined lifetime scenario.

ELCR for Future Adult Recreational User, Future Teen Recreational User and Future Child Recreational User are the combined lifetime scenario.