Table D8.56. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 225

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)	**2.1E-06**	Uranium-238	59%	Ingestion Dermal Inhalation External exposure	10% 37% 0% 53%	**2.5**	Antimony Molybdenum Nickel Vanadium	56% 9% 6% 26%	Ingestion Dermal Inhalation	5% 95% 0%
Outdoor Worker (surface soil)	**2.9E-06**	PAH, Total Uranium-238	41% 59%	Ingestion Dermal Inhalation External exposure	52% 20% 0% 28%	**2.7**	Antimony Molybdenum Nickel Thallium Vanadium	52% 18% 4% 4% 20%	Ingestion Dermal Inhalation	35% 65% 0%
Outdoor Worker (surface and subsurface soil)	**2.2E-05**	Arsenic PAH, Total Cesium-137 Uranium-238	74% 6% 13% 8%	Ingestion Dermal Inhalation External exposure	68% 16% 0% 16%	**3.6**	Antimony Arsenic Manganese Molybdenum Nickel Vanadium	39% 3% 25% 14% 3% 15%	Ingestion Dermal Inhalation	29% 71% 0%
Excavation Worker (surface and subsurface soil)	**4.5E-06**	Arsenic	72%	Ingestion Dermal Inhalation External exposure	66% 15% 0% 19%	**3.6**	Antimony Arsenic Manganese Molybdenum Nickel Vanadium	39% 3% 25% 14% 3% 15%	Ingestion Dermal Inhalation	29% 71% 0%

Table D8.56. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 225 (Continued)

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Future Adult Resident (surface soil)	**7.5E-06**	PAH, Total	46%	Ingestion	17%	**6.2**	Antimony	55%	Ingestion	6%
		Uranium-238	54%	Dermal	35%		Molybdenum	9%	Dermal	94%
				Inhalation	0%		Nickel	6%	Inhalation	0%
				External exposure	48%		Thallium	2%		
							Vanadium	26%		
Future Child Resident (surface soil)	See Future Adult Resident					**17.8**	Antimony	53%	Ingestion	22%
							Barium	1%	Dermal	78%
							Molybdenum	14%	Inhalation	0%
							Nickel	5%		
							Thallium	3%		
							Vanadium	22%		
Future Adult Recreational User (surface soil)	**2.2E-06**	PAH, Total	71%	Ingestion	23%	**1.8**	Antimony	55%	Ingestion	6%
				Dermal	56%		Molybdenum	9%	Dermal	94%
				Inhalation	0%		Nickel	6%	Inhalation	0%
				External exposure	21%		Vanadium	26%		
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**5.7**	Antimony	56%	Ingestion	5%
							Molybdenum	9%	Dermal	95%
							Nickel	6%	Inhalation	0%
							Thallium	2%		
							Vanadium	26%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**7.1**	Antimony	53%	Ingestion	22%
							Molybdenum	14%	Dermal	78%
							Nickel	5%	Inhalation	0%
							Thallium	3%		
							Vanadium	22%		

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.