Table D8.9. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 13, EU 9

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)	**5.5E-06**	Neptunium-237 Uranium-238	50% 45%	Ingestion Dermal Inhalation External exposure	6% 5% 0% 89%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**6.0E-06**	Neptunium-237 Uranium-238	36% 57%	Ingestion Dermal Inhalation External exposure	37% 3% 0% 60%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**4.1E-05**	Arsenic PAH, Total Cesium-137 Neptunium-237 Uranium-238	67% 17% 4% 4% 8%	Ingestion Dermal Inhalation External exposure	68% 20% 0% 12%	**1.1**	Arsenic Molybdenum Nickel Vanadium	15% 17% 11% 55%	Ingestion Dermal Inhalation	34% 66% 0%
Excavation Worker (surface and subsurface soil)	**8.2E-06**	Arsenic PAH, Total	66% 17%	Ingestion Dermal Inhalation External exposure	67% 20% 0% 12%	**1.1**	Arsenic Molybdenum Nickel Vanadium	15% 17% 11% 55%	Ingestion Dermal Inhalation	34% 66% 0%
Future Adult Resident (surface soil)	**1.8E-05**	PAH, Total Neptunium-237 Uranium-238	6% 49% 45%	Ingestion Dermal Inhalation External exposure	7% 5% 0% 88%	**2.3**	Molybdenum Nickel Vanadium	9% 15% 75%	Ingestion Dermal Inhalation	4% 96% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**6.1**	Molybdenum Nickel Vanadium	15% 14% 70%	Ingestion Dermal Inhalation	15% 85% 0%

Table D8.9. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 13, EU 9 (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)	**2.9E-06**	Neptunium-237 Uranium-238	39% 43%	Ingestion Dermal Inhalation External exposure	17% 14% 0% 69%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.1**	Molybdenum Nickel Vanadium	9% 15% 75%	Ingestion Dermal Inhalation	3% 97% 0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**2.5**	Molybdenum Nickel Vanadium	15% 14% 70%	Ingestion Dermal Inhalation	15% 85% 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.