Table D8.3. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 13, EU 3

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)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**2.4**	Manganese Molybdenum Nickel Vanadium	56% 6% 11% 24%	Ingestion Dermal Inhalation	3% 96% 0%
Outdoor Worker (surface soil)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**2.3**	Iron Manganese Molybdenum Nickel Vanadium	7% 50% 13% 9% 21%	Ingestion Dermal Inhalation	24% 75% 0%
Outdoor Worker (surface and subsurface soil)	**7.6E-06**	PAH, Total	100%	Ingestion Dermal Inhalation External exposure	52% 48% 0% 0%	**2.3**	Iron Manganese Molybdenum Nickel Vanadium	7% 50% 13% 9% 21%	Ingestion Dermal Inhalation	24% 75% 0%
Excavation Worker (surface and subsurface soil)	**1.5E-06**	PAH, Total	100%	Ingestion Dermal Inhalation External exposure	52% 48% 0% 0%	**2.3**	Iron Manganese Molybdenum Nickel Vanadium	7% 50% 13% 9% 21%	Ingestion Dermal Inhalation	24% 75% 0%
Future Adult Resident (surface soil)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**6.0**	Iron Manganese Molybdenum Nickel Vanadium	3% 56% 6% 11% 24%	Ingestion Dermal Inhalation	4% 96% 0%

Table D8.3. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 13, EU 3 (Continued)

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Future Child Resident (surface soil)	See Future Adult Resident					**16.0**	Iron	5%	Ingestion	15%
							Manganese	53%	Dermal	85%
							Molybdenum	10%	Inhalation	0%
							Nickel	10%		
							Vanadium	23%		
Future Adult Recreational User (surface soil)	**<1.0E-06**	*No COCs		Ingestion		**1.8**	Manganese	56%	Ingestion	4%
				Dermal			Molybdenum	6%	Dermal	96%
				Inhalation			Nickel	11%	Inhalation	0%
				External exposure			Vanadium	24%		
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**5.5**	Iron	3%	Ingestion	3%
							Manganese	56%	Dermal	97%
							Molybdenum	6%	Inhalation	0%
							Nickel	11%		
							Vanadium	24%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**6.4**	Iron	5%	Ingestion	15%
							Manganese	53%	Dermal	85%
							Molybdenum	10%	Inhalation	0%
							Nickel	10%		
							Vanadium	23%		

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.