Table D8.4. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 13, EU 4

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)	**2.2E-06**	PCB, Total	86%	Ingestion	9%	**<1**	*No COCs		Ingestion	
				Dermal	88%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	2%					
Future Industrial Worker (surface soil)	**4.0E-05**	PAH, Total	12%	Ingestion	9%	**<1**	*No COCs		Ingestion	
		PCB, Total	86%	Dermal	88%				Dermal	
		Uranium-238	3%	Inhalation	0%				Inhalation	
				External exposure	2%					
Outdoor Worker (surface soil)	**5.4E-05**	PAH, Total	12%	Ingestion	50%	**<1**	*No COCs		Ingestion	
		PCB, Total	85%	Dermal	49%				Dermal	
		Uranium-238	3%	Inhalation	0%				Inhalation	
				External exposure	1%					
Outdoor Worker (surface and subsurface soil)	**6.0E-05**	PAH, Total	14%	Ingestion	49%	**1.9**	Iron	9%	Ingestion	17%
		PCB, Total	79%	Dermal	47%		Manganese	56%	Dermal	82%
		Uranium-238	5%	Inhalation	0%		Nickel	9%	Inhalation	0%
				External exposure	4%		Vanadium	26%		
Excavation Worker (surface and subsurface soil)	**1.2E-05**	PAH, Total	14%	Ingestion	48%	**1.9**	Iron	9%	Ingestion	17%
		PCB, Total	78%	Dermal	46%		Manganese	56%	Dermal	82%
				Inhalation	0%		Nickel	9%	Inhalation	0%
				External exposure	6%		Vanadium	26%		
Future Adult Resident (surface soil)	**1.6E-04**	PAH, Total	12%	Ingestion	22%	**2.1**	Iron	9%	Ingestion	4%
		PCB, Total	86%	Dermal	76%		Nickel	24%	Dermal	96%
		Uranium-238	2%	Inhalation	0%		Vanadium	67%	Inhalation	0%
				External exposure	2%					
Future Child Resident (surface soil)	See Future Adult Resident					**5.7**	Iron	15%	Ingestion	15%
							Nickel	22%	Dermal	85%
							Vanadium	63%	Inhalation	0%

Table D8.4. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 13, EU 4 (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)	**7.0E-05**	PAH, Total PCB, Total	12% 87%	Ingestion Dermal Inhalation External exposure	21% 79% 0% 1%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.0**	Iron Nickel Vanadium	9% 24% 68%	Ingestion Dermal Inhalation	3% 97% 0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**2.3**	Iron Nickel Vanadium	15% 22% 63%	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.