Table D8.6. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 13, EU 6

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)	**4.4E-06**	PCB, Total	45%	Ingestion	10%	**<1**	*No COCs		Ingestion	
		Uranium-238	33%	Dermal	50%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	40%					
Future Industrial Worker (surface soil)	**7.8E-05**	PAH, Total	9%	Ingestion	10%	**1.2**	Molybdenum	15%	Ingestion	6%
		PCB, Total	45%	Dermal	50%		Nickel	15%	Dermal	93%
		Neptunium-237	6%	Inhalation	0%		Vanadium	61%	Inhalation	0%
		Uranium-234	1%	External exposure	40%					
		Uranium-235	5%							
		Uranium-238	33%							
Outdoor Worker (surface soil)	**1.1E-04**	PAH, Total	9%	Ingestion	52%	**1.4**	Iron	13%	Ingestion	40%
		PCB, Total	44%	Dermal	26%		Molybdenum	28%	Dermal	60%
		Neptunium-237	4%	Inhalation	0%		Nickel	11%	Inhalation	0%
		Technetium-99	1%	External exposure	22%		Vanadium	44%		
		Uranium-234	6%							
		Uranium-235	3%							
		Uranium-238	33%							
Outdoor Worker (surface and subsurface soil)	**8.3E-05**	PAH, Total	16%	Ingestion	52%	**2.9**	Iron	6%	Ingestion	26%
		PCB, Total	37%	Dermal	26%		Manganese	35%	Dermal	74%
		Cesium-137	2%	Inhalation	0%		Molybdenum	13%	Inhalation	0%
		Neptunium-237	2%	External exposure	22%		Nickel	5%		
		Technetium-99	2%				Silver	17%		
		Uranium-234	6%				Vanadium	21%		
		Uranium-235	3%							
		Uranium-238	33%							
Excavation Worker (surface and subsurface soil)	**1.7E-05**	PAH, Total	15%	Ingestion	52%	**2.9**	Iron	6%	Ingestion	26%
		PCB, Total	37%	Dermal	26%		Manganese	35%	Dermal	74%
		Uranium-234	6%	Inhalation	0%		Molybdenum	13%	Inhalation	0%
		Uranium-238	33%	External exposure	22%		Nickel	5%		
							Silver	17%		
							Vanadium	21%		

Table D8.6. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 13, EU 6 (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)	**2.8E-04**	PAH, Total	10%	Ingestion	18%	**2.9**	Iron	7%	Ingestion	7%
		PCB, Total	49%	Dermal	45%		Molybdenum	15%	Dermal	93%
		Neptunium-237	6%	Inhalation	0%		Nickel	15%	Inhalation	0%
		Uranium-234	1%	External exposure	36%		Vanadium	60%		
		Uranium-235	4%							
		Uranium-238	30%							
Future Child Resident (surface soil)	See Future Adult Resident					**8.7**	Iron	11%	Ingestion	26%
							Molybdenum	22%	Dermal	74%
							Nickel	13%	Inhalation	0%
							Uranium	3%		
							Vanadium	51%		
Future Adult Recreational User (surface soil)	**9.3E-05**	PAH, Total	14%	Ingestion	22%	**<1**	*No COCs		Ingestion	
		PCB, Total	67%	Dermal	64%				Dermal	
		Neptunium-237	2%	Inhalation	0%				Inhalation	
		Uranium-234	1%	External exposure	14%					
		Uranium-235	2%							
		Uranium-238	14%							
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.6**	Iron	7%	Ingestion	6%
							Molybdenum	15%	Dermal	94%
							Nickel	15%	Inhalation	0%
							Vanadium	61%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.5**	Iron	11%	Ingestion	26%
							Molybdenum	22%	Dermal	74%
							Nickel	13%	Inhalation	0%
							Uranium	3%		
							Vanadium	51%		

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.