Table D8.5. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 13, EU 5

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Current Industrial Worker	**3.7E-06**	PCB, Total	33%	Ingestion	11%	**<1**	*No COCs		Ingestion	
(surface soil)		Uranium-238	42%	Dermal	37%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	52%					
Future Industrial Worker	**6.6E-05**	PAH, Total	8%	Ingestion	11%	**2.8**	Antimony	13%	Ingestion	3%
(surface soil)		PCB, Total	33%	Dermal	37%		Manganese	42%	Dermal	96%
		Neptunium-237	2%	Inhalation	0%		Nickel	14%	Inhalation	0%
		Uranium-234	2%	External exposure	52%		Vanadium	23%		
		Uranium-235	12%							
		Uranium-238	43%							
Outdoor Worker	**9.3E-05**	PAH, Total	7%	Ingestion	53%	**2.6**	Antimony	14%	Ingestion	26%
(surface soil)		PCB, Total	31%	Dermal	19%		Iron	5%	Dermal	74%
		Neptunium-237	1%	Inhalation	0%		Manganese	36%	Inhalation	0%
		Technetium-99	2%	External exposure	27%		Molybdenum	8%		
		Uranium-234	9%				Nickel	12%		
		Uranium-235	7%				Uranium	4%		
		Uranium-238	42%				Vanadium	20%		
Outdoor Worker	**2.3E-05**	PAH, Total	8%	Ingestion	51%	**2.6**	Antimony	14%	Ingestion	26%
(surface and subsurface		PCB, Total	44%	Dermal	26%		Iron	5%	Dermal	74%
soil)		Cesium-137	2%	Inhalation	0%		Manganese	36%	Inhalation	0%
		Neptunium-237	1%	External exposure	23%		Molybdenum	8%		
		Technetium-99	1%				Nickel	11%		
		Uranium-234	6%				Uranium	4%		
		Uranium-235	6%				Vanadium	20%		
		Uranium-238	31%							
Excavation Worker	**2.1E-05**	PAH, Total	8%	Ingestion	51%	**2.6**	Antimony	14%	Ingestion	26%
(surface and subsurface		PCB, Total	44%	Dermal	26%		Iron	5%	Dermal	74%
soil)		Uranium-234	6%	Inhalation	0%		Manganese	36%	Inhalation	0%
		Uranium-235	6%	External exposure	23%		Molybdenum	8%		
		Uranium-238	31%				Nickel	11%		
							Uranium	4%		
							Vanadium	20%		

Table D8.5. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 13, EU 5 (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	**2.3E-04**	PAH, Total	8%	Ingestion	17%	**6.8**	Antimony	13%	Ingestion	4%
(surface soil)		PCB, Total	37%	Dermal	35%		Iron	2%	Dermal	96%
		Neptunium-237	2%	Inhalation	0%		Manganese	41%	Inhalation	0%
		Uranium-234	2%	External exposure	48%		Molybdenum	3%		
		Uranium-235	11%				Nickel	14%		
		Uranium-238	40%				Uranium	2%		
							Vanadium	23%		
Future Child Resident	See Future Adult Resident					**18.2**	Aluminum	1%	Ingestion	16%
(surface soil)							Antimony	14%	Dermal	84%
							Iron	4%	Inhalation	0%
							Manganese	38%		
							Molybdenum	6%		
							Nickel	13%		
							Uranium	3%		
							Vanadium	21%		

Table D8.5. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 13, EU 5 (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)	**6.7E-05**	PAH, Total	13%	Ingestion	23%	**2.0**	Antimony	13%	Ingestion	4%
		PCB, Total	57%	Dermal	56%		Manganese	41%	Dermal	96%
		Uranium-234	2%	Inhalation	0%		Nickel	14%	Inhalation	0%
		Uranium-235	5%	External exposure	21%		Vanadium	23%		
		Uranium-238	21%							
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**6.2**	Antimony	13%	Ingestion	3%
							Iron	2%	Dermal	97%
							Manganese	42%	Inhalation	0%
							Molybdenum	3%		
							Nickel	14%		
							Uranium	2%		
							Vanadium	23%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**7.3**	Antimony	14%	Ingestion	16%
							Iron	4%	Dermal	84%
							Manganese	38%	Inhalation	0%
							Molybdenum	6%		
							Nickel	13%		
							Uranium	3%		
							Vanadium	21%		

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.