Table D6.5. Summary of Risk Characterization 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 (surface soil)	**3.7E-06**	PCB, Total Uranium-238	33% 42%	Ingestion Dermal Inhalation External exposure	11% 37% 0% 52%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Industrial Worker (surface soil)	**6.6E-05**	PAH, Total PCB, Total Neptunium-237 Uranium-234 Uranium-235 Uranium-238	8% 33% 2% 2% 12% 43%	Ingestion Dermal Inhalation External exposure	11% 37% 0% 52%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**9.3E-05**	PAH, Total PCB, Total Neptunium-237 Technetium-99 Uranium-234 Uranium-235 Uranium-238	7% 31% 1% 2% 9% 7% 42%	Ingestion Dermal Inhalation External exposure	53% 19% 0% 27%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**2.3E-05**	PAH, Total PCB, Total Cesium-137 Neptunium-237 Technetium-99 Uranium-234 Uranium-235 Uranium-238	8% 44% 2% 1% 1% 6% 6% 31%	Ingestion Dermal Inhalation External exposure	51% 26% 0% 23%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**2.1E-05**	PAH, Total PCB, Total Uranium-234 Uranium-235 Uranium-238	8% 44% 6% 6% 31%	Ingestion Dermal Inhalation External exposure	51% 26% 0% 23%	**<1**	*No COCs		Ingestion Dermal	

Table D6.5. Summary of Risk Characterization 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 (surface soil)	**2.3E-04**	PAH, Total	8%	Ingestion	17%	**<1**	*No COCs		Ingestion	
		PCB, Total	37%	Dermal	35%				Dermal	
		Neptunium-237	2%	Inhalation	0%					
		Uranium-234	2%	External exposure	48%					
		Uranium-235	11%						Inhalation	
		Uranium-238	40%							
Future Child Resident (surface soil)	See Future Adult Resident					**1.7**	Aluminum	8%	Ingestion	99%
							Iron	26%	Dermal	0%
							Manganese	30%	Inhalation	1%
							Uranium	20%		
							Vanadium	16%		
Future Adult Recreational User (surface soil)	**6.7E-05**	PAH, Total	13%	Ingestion	23%	**<1**	*No COCs		Ingestion	
		PCB, Total	57%	Dermal	56%				Dermal	
		Uranium-234	2%	Inhalation	0%					
		Uranium-235	5%	External exposure	21%				Inhalation	
		Uranium-238	21%							
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion	
									Dermal	
									Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion	
									Dermal	
									Inhalation	

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.