Table D6.54. Summary of Risk Characterization for SWMU 211-A

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)	**6.5E-06**	Neptunium-237	20%	Ingestion	9%	**<1**	*No COCs		Ingestion	
		Uranium-238	62%	Dermal	2%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	89%					
Future Industrial Worker (surface soil)	**1.2E-04**	PAH, Total	1%	Ingestion	9%	**<1**	*No COCs		Ingestion	
		PCB, Total	1%	Dermal	2%				Dermal	
		Cesium-137	13%	Inhalation	0%				Inhalation	
		Neptunium-237	20%	External exposure	88%					
		Uranium-234	3%							
		Uranium-238	62%							
Outdoor Worker (surface soil)	**1.6E-04**	PAH, Total	1%	Ingestion	50%	**<1**	*No COCs		Ingestion	
		PCB, Total	1%	Dermal	1%				Dermal	
		Cesium-137	7%	Inhalation	0%				Inhalation	
		Neptunium-237	12%	External exposure	49%					
		Uranium-234	14%							
		Uranium-238	64%							
Outdoor Worker (surface and subsurface soil)	**2.0E-04**	Arsenic	10%	Ingestion	58%	**1.9**	Antimony	38%	Ingestion	98%
		PAH, Total	1%	Dermal	13%		Arsenic	6%	Dermal	2%
		PCB, Total	22%	Inhalation	0%		Cobalt	26%	Inhalation	0%
		Uranium-234	11%	External exposure	28%		Iron	11%		
		Uranium-235	5%				Thallium	10%		
		Uranium-238	51%							
Excavation Worker (surface and subsurface soil)	**3.9E-05**	Arsenic	10%	Ingestion	58%	**1.9**	Antimony	38%	Ingestion	98%
		PCB, Total	22%	Dermal	13%		Arsenic	6%	Dermal	2%
		Uranium-234	11%	Inhalation	0%		Cobalt	26%	Inhalation	0%
		Uranium-235	5%	External exposure	28%		Iron	11%		
		Uranium-238	51%				Thallium	10%		

Table D6.54. Summary of Risk Characterization for SWMU 211-A (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)	**3.8E-04**	PAH, Total	1%	Ingestion	11%	**<1**	*No COCs		Ingestion	
		PCB, Total	1%	Dermal	2%				Dermal	
		Cesium-137	12%	Inhalation	0%				Inhalation	
		Neptunium-237	20%	External exposure	87%					
		Uranium-234	3%							
		Uranium-238	62%							
Future Child Resident (surface soil)	See Future Adult Resident					**3.3**	Antimony	63%	Ingestion	100%
							Iron	17%	Dermal	0%
							Thallium	13%	Inhalation	0%
							Vanadium	8%		
Future Adult Recreational User (surface soil)	**6.0E-05**	PAH, Total	3%	Ingestion	25%	**<1**	*No COCs		Ingestion	
		PCB, Total	3%	Dermal	5%				Dermal	
		Cesium-137	10%	Inhalation	0%				Inhalation	
		Neptunium-237	16%	External exposure	70%					
		Uranium-234	7%							
		Uranium-238	60%							
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					**1.3**	Antimony	63%	Ingestion	100%
							Iron	17%	Dermal	0%
							Thallium	13%	Inhalation	0%
							Vanadium	8%		

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.