Table D6.27. Summary of Risk Characterization for SWMU 26 EU 3

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Current Industrial Worker	**7.4E-06**	Arsenic	40%	Ingestion	16%	**<1**	*No COCs		Ingestion	
(surface soil)		PCB, Total	22%	Dermal	50%				Dermal	
		Cesium-137	30%	Inhalation	0%				Inhalation	
				External exposure	34%					
Future Industrial Worker	**1.3E-04**	Arsenic	40%	Ingestion	16%	**<1**	*No COCs		Ingestion	
(surface soil)		PAH, Total	3%	Dermal	50%				Dermal	
		PCB, Total	22%	Inhalation	0%				Inhalation	
		Cesium-137	30%	External exposure	34%					
		Neptunium-237	1%							
		Uranium-238	3%							
Outdoor Worker	**2.3E-04**	Arsenic	64%	Ingestion	65%	**2.9**	Arsenic	32%	Ingestion	94%
(surface soil)		PAH, Total	2%	Dermal	21%		Iron	5%	Dermal	6%
		PCB, Total	17%	Inhalation	0%		Molybdenum	14%	Inhalation	0%
		Cesium-137	13%	External exposure	15%		Thallium	38%		
		Neptunium-237	1%				Uranium	7%		
		Uranium-234	1%							
		Uranium-238	3%							
Outdoor Worker	**2.1E-04**	Arsenic	71%	Ingestion	68%	**3.5**	Antimony	15%	Ingestion	95%
(surface and subsurface		PAH, Total	3%	Dermal	20%		Arsenic	27%	Dermal	5%
soil)		PCB, Total	11%	Inhalation	0%		Iron	4%	Inhalation	0%
		Pentachlorophenol	1%	External exposure	12%		Mercury	5%		
		Cesium-137	11%				Molybdenum	13%		
		Neptunium-237	1%				Thallium	22%		
		Uranium-234	1%				Uranium	6%		
		Uranium-238	2%							
Excavation Worker	**4.3E-05**	Arsenic	69%	Ingestion	66%	**3.5**	Antimony	15%	Ingestion	95%
(surface and subsurface		PAH, Total	2%	Dermal	20%		Arsenic	27%	Dermal	5%
soil)		PCB, Total	11%	Inhalation	0%		Iron	4%	Inhalation	0%
		Cesium-137	13%	External exposure	14%		Mercury	5%		
							Molybdenum	13%		
							Thallium	22%		
							Uranium	6%		

Table D6.27. Summary of Risk Characterization for SWMU 26 EU 3 (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)	**5.6E-04**	Arsenic	50%	Ingestion	35%	**1.6**	Arsenic	52%	Ingestion	66%
		PAH, Total	3%	Dermal	39%		Molybdenum	10%	Dermal	33%
		PCB, Total	20%	Inhalation	0%		Thallium	27%	Inhalation	1%
		Cesium-137	23%	External exposure	26%					
		Neptunium-237	1%							
		Uranium-235	0%							
		Uranium-238	2%							
Future Child Resident (surface soil)	See Future Adult Resident					**12.9**	Arsenic	35%	Ingestion	90%
							Iron	5%	Dermal	10%
							Molybdenum	14%	Inhalation	0%
							Thallium	37%		
							Uranium	7%		
							Vanadium	3%		
Future Adult Recreational User (surface soil)	**2.0E-04**	Arsenic	61%	Ingestion	40%	**<1**	*No COCs		Ingestion	
		PAH, Total	3%	Dermal	51%				Dermal	
		PCB, Total	26%	Inhalation	0%				Inhalation	
		Cesium-137	8%	External exposure	9%					
		Uranium-238	1%							
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**1.3**	Arsenic	56%	Ingestion	61%
							Molybdenum	9%	Dermal	39%
							Thallium	25%	Inhalation	0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**5.1**	Arsenic	35%	Ingestion	90%
							Iron	5%	Dermal	10%
							Molybdenum	13%	Inhalation	0%
							Thallium	37%		
							Uranium	7%		
							Vanadium	3%		

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.