Table D6.28. Summary of Risk Characterization for SWMU 26 EU 4

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Current Industrial Worker	**4.1E-05**	Arsenic	6%	Ingestion	13%	**<1**	*No COCs		Ingestion	
(surface soil)		PAH, Total	9%	Dermal	15%				Dermal	
		PCB, Total	4%	Inhalation	0%				Inhalation	
		Uranium-235	6%	External exposure	72%					
		Uranium-238	71%							
Future Industrial Worker	**7.2E-04**	Arsenic	6%	Ingestion	13%	**<1**	*No COCs		Ingestion	
(surface soil)		PAH, Total	9%	Dermal	15%				Dermal	
		PCB, Total	4%	Inhalation	0%				Inhalation	
		Cesium-137	1%	External exposure	72%					
		Neptunium-237	2%							
		Plutonium-239/240	<1%							
		Technetium-99	<1%							
		Thorium-230	<1%							
		Uranium-234	1%							
		Uranium-235	6%							
		Uranium-238	71%							
Outdoor Worker	**1.1E-03**	Arsenic	11%	Ingestion	58%	**3.6**	Arsenic	20%	Ingestion	96%
(surface soil)		PAH, Total	8%	Dermal	7%		Iron	3%	Dermal	4%
		PCB, Total	3%	Inhalation	0%		Mercury	20%	Inhalation	0%
		Cesium-137	1%	External exposure	35%		Molybdenum	10%		
		Neptunium-237	1%				Uranium	41%		
		Plutonium-239/240	1%							
		Technetium-99	1%							
		Thorium-230	2%							
		Uranium-234	6%							
		Uranium-235	3%							
		Uranium-238	64%							

Table D6.28. Summary of Risk Characterization for SWMU 26 EU 4 (Continued)

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Outdoor Worker	**1.3E-03**	Arsenic	9%	Ingestion	56%	**11.9**	Antimony	5%	Ingestion	98%
(surface and subsurface		PAH, Total	5%	Dermal	5%		Arsenic	6%	Dermal	1%
soil)		PCB, Total	3%	Inhalation	0%		Cobalt	1%	Inhalation	0%
		Cesium-137	2%	External exposure	39%		Copper	2%		
		Neptunium-237	9%				Iron	1%		
		Plutonium-239/240	1%				Manganese	1%		
		Technetium-99	5%				Mercury	2%		
		Thorium-230	2%				Molybdenum	3%		
		Uranium-234	9%				Nickel	62%		
		Uranium-235	4%				Thallium	4%		
		Uranium-238	52%				Uranium	11%		
Excavation Worker	**2.7E-04**	Arsenic	9%	Ingestion	55%	**11.9**	Antimony	5%	Ingestion	98%
(surface and subsurface		PAH, Total	5%	Dermal	5%		Arsenic	6%	Dermal	1%
soil)		PCB, Total	3%	Inhalation	0%		Cobalt	1%	Inhalation	0%
		Cesium-137	3%	External exposure	39%		Copper	2%		
		Neptunium-237	9%				Iron	1%		
		Plutonium-239/240	1%				Manganese	1%		
		Technetium-99	5%				Mercury	2%		
		Thorium-230	2%				Molybdenum	3%		
		Uranium-234	8%				Nickel	62%		
		Uranium-235	4%				Thallium	4%		
		Uranium-238	52%				Uranium	11%		

Table D6.28. Summary of Risk Characterization for SWMU 26 EU 4 (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	**2.5E-03**	Arsenic	9%	Ingestion	18%	**1.9**	Arsenic	37%	Ingestion	75%
(surface soil)		PAH, Total	10%	Dermal	14%		Mercury	16%	Dermal	24%
		PCB, Total	4%	Inhalation	0%		Molybdenum	8%	Inhalation	2%
		Cesium-137	1%	External exposure	68%		Uranium	34%		
		Neptunium-237	1%							
		Plutonium-239/240	<1%							
		Technetium-99	<1%							
		Thorium-230	<1%							
		Uranium-234	1%							
		Uranium-235	5%							
		Uranium-238	67%							
Future Child Resident	See Future Adult Resident					**15.7**	Aluminum	1%	Ingestion	93%
(surface soil)							Arsenic	23%	Dermal	7%
							Iron	3%	Inhalation	0%
							Mercury	20%		
							Molybdenum	9%		
							Nickel	1%		
							Uranium	40%		
							Vanadium	2%		

Table D6.28. Summary of Risk Characterization for SWMU 26 EU 4 (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)	**5.6E-04**	Arsenic	18%	Ingestion	32%	**<1**	*No COCs		Ingestion	
		PAH, Total	20%	Dermal	30%				Dermal	
		PCB, Total	8%	Inhalation	0%				Inhalation	
		Cesium-137	1%	External exposure	38%					
		Neptunium-237	1%							
		Plutonium-239/240	<1%							
		Technetium-99	<1%							
		Thorium-230	1%							
		Uranium-234	2%							
		Uranium-235	3%							
		Uranium-238	46%							
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**1.4**	Arsenic	41%	Ingestion	72%
							Mercury	15%	Dermal	28%
							Molybdenum	7%	Inhalation	0%
							Uranium	31%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**6.3**	Arsenic	23%	Ingestion	93%
							Iron	3%	Dermal	7%
							Mercury	20%	Inhalation	0%
							Molybdenum	10%		
							Uranium	40%		
							Vanadium	2%		

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.