Table D6.17. Summary of Risk Characterization for SWMU 15, 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	**3.6E-05**	Arsenic	3%	Ingestion	11%	**<1**	*No COCs		Ingestion	
(surface soil)		PCB, Total	3%	Dermal	7%				Dermal	
		Uranium-235	6%	Inhalation	0%				Inhalation	
		Uranium-238	82%	External exposure	81%					
Future Industrial Worker	**6.4E-04**	Arsenic	3%	Ingestion	11%	**<1**	*No COCs		Ingestion	
(surface soil)		PAH, Total	3%	Dermal	7%				Dermal	
		PCB, Total	3%	Inhalation	0%				Inhalation	
		Neptunium-237	2%	External exposure	81%					
		Uranium-234	1%							
		Uranium-235	6%							
		Uranium-238	82%							
Outdoor Worker	**9.3E-04**	Arsenic	6%	Ingestion	55%	**3**	Antimony	18%	Ingestion	97%
(surface soil)		PAH, Total	2%	Dermal	4%		Arsenic	11%	Dermal	2%
		PCB, Total	3%	Inhalation	0%		Cobalt	12%	Inhalation	1%
		Neptunium-237	1%	External exposure	41%		Copper	4%		
		Technetium-99	1%				Iron	13%		
		Thorium-230	0%				Manganese	7%		
		Uranium-234	5%				Mercury	4%		
		Uranium-235	4%				Nickel	17%		
		Uranium-238	78%				Uranium	7%		

Table D6.17. Summary of Risk Characterization for SWMU 15, EU 3 (Continued)

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Outdoor Worker	**1.2E-03**	Arsenic	6%	Ingestion	54%	**8.3**	Antimony	10%	Ingestion	99%
(surface and subsurface		PAH, Total	1%	Dermal	4%		Arsenic	5%	Dermal	1%
soil)		PCB, Total	5%	Inhalation	0%		Cobalt	3%	Inhalation	0%
		Neptunium-237	1%	External exposure	41%		Copper	1%		
		Technetium-99	0%				Iron	5%		
		Thorium-230	0%				Manganese	3%		
		Uranium-234	5%				Mercury	3%		
		Uranium-235	4%				Nickel	6%		
		Uranium-238	76%				Thallium	60%		
							Uranium	3%		
Excavation Worker	**2.4E-04**	Arsenic	6%	Ingestion	54%	**8.3**	Antimony	10%	Ingestion	99%
(surface and subsurface		PAH, Total	1%	Dermal	4%		Arsenic	5%	Dermal	1%
soil)		PCB, Total	5%	Inhalation	0%		Cobalt	3%	Inhalation	0%
		Neptunium-237	1%	External exposure	41%		Copper	1%		
		Uranium-234	5%				Iron	5%		
		Uranium-235	4%				Manganese	3%		
		Uranium-238	76%				Mercury	3%		
							Nickel	6%		
							Thallium	60%		
							Uranium	3%		
Future Adult Resident	**2.2E-03**	Arsenic	5%	Ingestion	14%	**1.4**	Antimony	15%	Ingestion	80%
(surface soil)		PAH, Total	3%	Dermal	7%		Arsenic	22%	Dermal	17%
		PCB, Total	4%	Inhalation	0%		Cobalt	10%	Inhalation	3%
		Neptunium-237	2%	External exposure	78%		Iron	11%		
		Technetium-99	0%				Manganese	7%		
		Thorium-230	0%				Nickel	15%		
		Uranium-234	1%							
Total ELCR and total HI represent total		Uranium-235	6%							
		Uranium-238	79%							

Table D6.17. Summary of Risk Characterization for SWMU 15, 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 Child Resident (surface soil)	See Future Adult Resident					**12.7**	Antimony	18%	Ingestion	95%
							Arsenic	13%	Dermal	4%
							Cadmium	2%	Inhalation	0%
							Cobalt	11%		
							Copper	4%		
							Iron	13%		
							Manganese	7%		
							Mercury	4%		
							Nickel	17%		
							Thallium	3%		
							Uranium	7%		
							Vanadium	1%		
Future Adult Recreational User (surface soil)	**4.1E-04**	Arsenic	11%	Ingestion	29%	**<1**	*No COCs		Ingestion	
		PAH, Total	7%	Dermal	18%				Dermal	
		PCB, Total	10%	Inhalation	0%				Inhalation	
		Neptunium-237	1%	External exposure	52%					
		Uranium-234	2%							
		Uranium-235	4%							
		Uranium-238	65%							
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**1.1**	Antimony	15%	Ingestion	79%
							Arsenic	24%	Dermal	20%
							Cobalt	9%	Inhalation	0%
							Iron	11%		
							Nickel	14%		

Table D6.17. Summary of Risk Characterization for SWMU 15, 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 Child Recreational User (surface soil)	See Future Adult Recreational User					**5.1**	Antimony	18%	Ingestion	96%
							Arsenic	13%	Dermal	4%
							Cadmium	2%	Inhalation	0%
							Cobalt	11%		
							Copper	4%		
							Iron	13%		
							Manganese	7%		
							Mercury	4%		
							Nickel	17%		
							Thallium	3%		
							Uranium	7%		

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.