Table D8.19. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, 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	**6.0E-06**	PCB, Total	77%	Ingestion	11%	**<1**	*No COCs		Ingestion	
(surface soil)				Dermal	80%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	9%					
Future Industrial Worker	**1.1E-04**	Arsenic	8%	Ingestion	11%	**6.3**	Antimony	42%	Ingestion	4%
(surface soil)		PAH, Total	5%	Dermal	80%		Copper	4%	Dermal	96%
		PCB, Total	77%	Inhalation	0%		Mercury	15%	Inhalation	0%
		Neptunium-237	3%	External exposure	9%		Nickel	34%		
		Uranium-235	1%				Uranium	2%		
		Uranium-238	6%							
Outdoor Worker	**1.6E-04**	Arsenic	16%	Ingestion	54%	**6.4**	Antimony	41%	Ingestion	30%
(surface soil)		PAH, Total	5%	Dermal	41%		Arsenic	2%	Dermal	70%
		PCB, Total	71%	Inhalation	0%		Copper	9%	Inhalation	0%
		Neptunium-237	1%	External exposure	5%		Mercury	12%		
		Uranium-235	1%				Nickel	28%		
		Uranium-238	6%				Uranium	4%		
Outdoor Worker	**2.4E-04**	Arsenic	11%	Ingestion	53%	**8.3**	Antimony	38%	Ingestion	29%
(surface and subsurface		PAH, Total	2%	Dermal	45%		Arsenic	2%	Dermal	71%
		PCB, Total	83%	Inhalation	0%		Copper	7%	Inhalation	0%
		Neptunium-237	1%	External exposure	2%		Iron	2%		
		Uranium-238	3%				Manganese	9%		
							Mercury	15%		
							Nickel	21%		
							Uranium	3%		
Excavation Worker	**4.9E-05**	Arsenic	11%	Ingestion	53%	**8.3**	Antimony	38%	Ingestion	29%
(surface and subsurface		PAH, Total	2%	Dermal	45%		Arsenic	2%	Dermal	71%
soil)		PCB, Total	83%	Inhalation	0%		Copper	7%	Inhalation	0%
		Uranium-238	3%	External exposure	2%		Iron	2%		
							Manganese	9%		
							Mercury	15%		
							Nickel	21%		
							Uranium	3%		

Table D8.19. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, 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	**4.3E-04**	Arsenic	11%	Ingestion	25%	**15.3**	Antimony	42%	Ingestion	5%
(surface soil)		PAH, Total	5%	Dermal	67%		Arsenic	1%	Dermal	95%
		PCB, Total	76%	Inhalation	0%		Barium	1%	Inhalation	0%
		Neptunium-237	2%	External exposure	7%		Copper	4%		
		Uranium-235	1%				Mercury	15%		
		Uranium-238	5%				Nickel	34%		
							Silver	1%		
							Uranium	2%		
Future Child Resident	See Future Adult Resident					**42.8**	Antimony	41%	Ingestion	19%
(surface soil)							Arsenic	2%	Dermal	81%
							Barium	1%	Inhalation	0%
							Cadmium	1%		
							Copper	7%		
							Mercury	13%		
							Nickel	30%		
							Silver	1%		
							Uranium	3%		
							Zinc	0%		

Table D8.19. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, 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 Recreational User (surface soil)	**1.8E-04**	Arsenic	12%	Ingestion	24%	**4.5**	Antimony	42%	Ingestion	5%
		PAH, Total	6%	Dermal	73%		Copper	4%	Dermal	95%
		PCB, Total	80%	Inhalation	0%		Mercury	15%	Inhalation	0%
		Neptunium-237	1%	External exposure	2%		Nickel	34%		
		Uranium-238	2%							
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**14.1**	Antimony	42%	Ingestion	4%
							Arsenic	1%	Dermal	96%
							Barium	1%	Inhalation	0%
							Copper	4%		
							Mercury	15%		
							Nickel	34%		
							Silver	1%		
							Uranium	2%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**17.1**	Antimony	41%	Ingestion	19%
							Arsenic	2%	Dermal	81%
							Barium	1%	Inhalation	0%
							Cadmium	1%		
							Copper	7%		
							Mercury	13%		
							Nickel	30%		
							Silver	1%		
							Uranium	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.