Table D8.23. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 9

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)	**2.0E-06**	PCB, Total	58%	Ingestion	15%	**<1**	*No COCs		Ingestion	
				Dermal	74%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	11%					
Future Industrial Worker (surface soil)	**3.5E-05**	Arsenic	22%	Ingestion	15%	**4.6**	Antimony	63%	Ingestion	4%
		PAH, Total	8%	Dermal	74%		Nickel	20%	Dermal	96%
		PCB, Total	58%	Inhalation	0%		Silver	3%	Inhalation	0%
		Uranium-238	12%	External exposure	11%		Vanadium	10%		
Outdoor Worker (surface soil)	**5.9E-05**	Arsenic	37%	Ingestion	62%	**4.6**	Antimony	63%	Ingestion	29%
		PAH, Total	6%	Dermal	33%		Arsenic	3%	Dermal	71%
		PCB, Total	47%	Inhalation	0%		Iron	4%	Inhalation	0%
		Uranium-238	10%	External exposure	5%		Nickel	16%		
							Vanadium	8%		
Outdoor Worker (surface and subsurface soil)	**6.1E-05**	Arsenic	42%	Ingestion	64%	**7.7**	Antimony	41%	Ingestion	24%
		PAH, Total	5%	Dermal	33%		Arsenic	2%	Dermal	76%
		PCB, Total	46%	Inhalation	0%		Cadmium	1%	Inhalation	0%
		Uranium-238	6%	External exposure	3%		Iron	2%		
							Manganese	21%		
							Mercury	14%		
							Nickel	10%		
							Silver	2%		
							Vanadium	5%		
Excavation Worker (surface and subsurface soil)	**1.2E-05**	Arsenic	42%	Ingestion	64%	**7.7**	Antimony	41%	Ingestion	24%
		PCB, Total	46%	Dermal	33%		Arsenic	2%	Dermal	76%
				Inhalation	0%		Cadmium	1%	Inhalation	0%
				External exposure	3%		Iron	2%		
							Manganese	21%		
							Mercury	14%		
							Nickel	10%		
							Silver	2%		
							Vanadium	5%		

Table D8.23. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 9 (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	**1.5E-04**	Arsenic	28%	Ingestion	31%	**11.2**	Antimony	63%	Ingestion	5%
(surface soil)		PAH, Total	7%	Dermal	60%		Arsenic	1%	Dermal	95%
		PCB, Total	55%	Inhalation	0%		Barium	1%	Inhalation	0%
		Uranium-238	10%	External exposure	9%		Iron	2%		
							Nickel	20%		
							Silver	3%		
							Vanadium	10%		
Future Child Resident	See Future Adult Resident					**31.0**	Antimony	63%	Ingestion	18%
(surface soil)							Arsenic	2%	Dermal	82%
							Barium	1%	Inhalation	0%
							Cadmium	1%		
							Iron	3%		
							Nickel	18%		
							Silver	2%		
							Uranium	1%		
							Vanadium	9%		

Table D8.23. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 9 (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)	**6.1E-05**	Arsenic	29%	Ingestion	31%	**3.3**	Antimony	63%	Ingestion	5%
		PAH, Total	8%	Dermal	67%		Nickel	20%	Dermal	95%
		PCB, Total	59%	Inhalation	0%		Vanadium	10%	Inhalation	0%
		Uranium-238	4%	External exposure	3%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**10.3**	Antimony	63%	Ingestion	4%
							Arsenic	1%	Dermal	96%
							Barium	1%	Inhalation	0%
							Iron	2%		
							Nickel	20%		
							Silver	3%		
							Vanadium	10%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**12.4**	Antimony	63%	Ingestion	18%
							Arsenic	2%	Dermal	82%
							Barium	1%	Inhalation	0%
							Cadmium	1%		
							Iron	3%		
							Nickel	18%		
							Silver	2%		
							Vanadium	9%		

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.