Table D8.20. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 6

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Current Industrial Worker	**3.4E-06**	PAH, Total	30%	Ingestion	11%	**<1**	*No COCs		Ingestion	
(surface soil)		PCB, Total	33%	Dermal	80%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	9%					
Future Industrial Worker	**6.1E-05**	Arsenic	14%	Ingestion	11%	**5.5**	Antimony	42%	Ingestion	4%
(surface soil)		PAH, Total	30%	Dermal	80%		Cobalt	2%	Dermal	96%
		PCB, Total	33%	Inhalation	0%		Mercury	17%	Inhalation	0%
		Neptunium-237	4%	External exposure	9%		Nickel	33%		
		Uranium-235	3%							
		Uranium-238	15%							
Outdoor Worker	**9.6E-05**	Arsenic	26%	Ingestion	54%	**5.4**	Antimony	42%	Ingestion	29%
(surface soil)		PAH, Total	26%	Dermal	41%		Arsenic	3%	Dermal	71%
		PCB, Total	28%	Inhalation	0%		Cobalt	4%	Inhalation	0%
		Neptunium-237	2%	External exposure	5%		Iron	4%		
		Uranium-234	3%				Mercury	15%		
		Uranium-235	1%				Nickel	28%		
		Uranium-238	14%							
Outdoor Worker	**8.5E-05**	Arsenic	28%	Ingestion	53%	**6.8**	Antimony	38%	Ingestion	26%
(surface and subsurface		PAH, Total	23%	Dermal	45%		Arsenic	2%	Dermal	74%
soil)		PCB, Total	32%	Inhalation	0%		Cobalt	2%	Inhalation	0%
		Neptunium-237	2%	External exposure	2%		Iron	3%		
		Uranium-234	3%				Manganese	11%		
		Uranium-235	1%				Mercury	17%		
		Uranium-238	12%				Nickel	22%		
Excavation Worker	**1.7E-05**	Arsenic	28%	Ingestion	53%	**6.8**	Antimony	38%	Ingestion	26%
(surface and subsurface		PAH, Total	23%	Dermal	45%		Arsenic	2%	Dermal	74%
soil)		PCB, Total	32%	Inhalation	0%		Cobalt	2%	Inhalation	0%
		Uranium-238	12%	External exposure	2%		Iron	3%		
							Manganese	11%		
							Mercury	17%		
							Nickel	22%		

Table D8.20. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 6 (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	**2.4E-04**	Arsenic	19%	Ingestion	27%	**13.4**	Antimony	42%	Ingestion	5%
(surface soil)		PAH, Total	29%	Dermal	56%		Arsenic	1%	Dermal	95%
		PCB, Total	32%	Inhalation	0%		Cobalt	2%	Inhalation	0%
		Neptunium-237	3%	External exposure	17%		Iron	2%		
		Uranium-234	1%				Mercury	17%		
		Uranium-235	2%				Nickel	33%		
		Uranium-238	13%				Silver	1%		
							Uranium	1%		
Future Child Resident	See Future Adult Resident					**37.0**	Antimony	42%	Ingestion	18%
(surface soil)							Arsenic	2%	Dermal	82%
							Barium	1%	Inhalation	0%
							Cadmium	1%		
							Cobalt	3%		
							Copper	1%		
							Iron	3%		
							Mercury	16%		
							Nickel	30%		
							Silver	1%		
							Uranium	1%		

Table D8.20. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 6 (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)	**9.5E-05**	Arsenic	21%	Ingestion	29%	**4.0**	Antimony	42%	Ingestion	5%
		PAH, Total	34%	Dermal	66%		Mercury	17%	Dermal	95%
		PCB, Total	37%	Inhalation	0%		Nickel	33%	Inhalation	0%
		Neptunium-237	1%	External exposure	5%					
		Uranium-238	5%							
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**12.3**	Antimony	42%	Ingestion	4%
							Arsenic	1%	Dermal	96%
							Cobalt	2%	Inhalation	0%
							Iron	2%		
							Mercury	17%		
							Nickel	33%		
							Silver	1%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**14.8**	Antimony	42%	Ingestion	18%
							Arsenic	2%	Dermal	82%
							Barium	1%	Inhalation	0%
							Cadmium	1%		
							Cobalt	3%		
							Iron	3%		
							Mercury	16%		
							Nickel	30%		
							Silver	1%		
							Uranium	1%		

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.