Table D8.22. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 8

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)	**1.9E-06**	*No COCs		Ingestion	15%	**<1**	*No COCs		Ingestion	
				Dermal	70%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	15%					
Future Industrial Worker (surface soil)	**3.4E-05**	Arsenic	24%	Ingestion	15%	**4.1**	Antimony	47%	Ingestion	4%
		PAH, Total	12%	Dermal	70%		Mercury	18%	Dermal	96%
		PCB, Total	48%	Inhalation	0%		Nickel	27%	Inhalation	0%
		Neptunium-237	4%	External exposure	15%					
		Uranium-238	12%							
Outdoor Worker (surface soil)	**5.7E-05**	Arsenic	40%	Ingestion	62%	**4.0**	Antimony	48%	Ingestion	28%
		PAH, Total	10%	Dermal	31%		Arsenic	4%	Dermal	72%
		PCB, Total	38%	Inhalation	0%		Iron	4%	Inhalation	0%
		Neptunium-237	2%	External exposure	7%		Mercury	16%		
		Uranium-238	10%				Nickel	23%		
Outdoor Worker (surface and subsurface soil)	**5.9E-05**	Arsenic	38%	Ingestion	62%	**5.8**	Antimony	44%	Ingestion	26%
		PAH, Total	7%	Dermal	34%		Arsenic	2%	Dermal	74%
		PCB, Total	46%	Inhalation	0%		Iron	3%	Inhalation	0%
		Uranium-238	6%	External exposure	4%		Manganese	11%		
							Mercury	19%		
							Nickel	16%		
							Silver	2%		
Excavation Worker (surface and subsurface soil)	**1.2E-05**	Arsenic	38%	Ingestion	62%	**5.8**	Antimony	44%	Ingestion	26%
		PCB, Total	46%	Dermal	34%		Arsenic	2%	Dermal	74%
				Inhalation	0%		Iron	3%	Inhalation	0%
				External exposure	4%		Manganese	11%		
							Mercury	19%		
							Nickel	16%		
							Silver	2%		

Table D8.22. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 8 (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	**1.4E-04**	Arsenic	31%	Ingestion	32%	**9.9**	Antimony	47%	Ingestion	5%
(surface soil)		PAH, Total	11%	Dermal	57%		Arsenic	1%	Dermal	95%
		PCB, Total	45%	Inhalation	0%		Iron	2%	Inhalation	0%
		Neptunium-237	3%	External exposure	12%		Mercury	18%		
		Uranium-238	9%				Nickel	27%		
							Silver	2%		
Future Child Resident	See Future Adult Resident					**27.3**	Antimony	48%	Ingestion	18%
(surface soil)							Arsenic	3%	Dermal	82%
							Barium	1%	Inhalation	0%
							Cadmium	1%		
							Iron	3%		
							Mercury	17%		
							Nickel	25%		
							Silver	2%		
							Uranium	1%		

Table D8.22. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 8 (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)	**5.8E-05**	Arsenic	33%	Ingestion	32%	**3.0**	Antimony	47%	Ingestion	5%
		PAH, Total	12%	Dermal	64%		Mercury	18%	Dermal	95%
		PCB, Total	50%	Inhalation	0%		Nickel	27%	Inhalation	0%
		Uranium-238	4%	External exposure	4%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**9.1**	Antimony	47%	Ingestion	4%
							Arsenic	1%	Dermal	96%
							Iron	2%	Inhalation	0%
							Mercury	18%		
							Nickel	27%		
							Silver	2%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**10.9**	Antimony	48%	Ingestion	18%
							Arsenic	3%	Dermal	82%
							Cadmium	1%	Inhalation	0%
							Iron	3%		
							Mercury	17%		
							Nickel	25%		
							Silver	2%		
							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.