Table D8.15. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 1

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)	**1.6E-06**	PAH, Total	66%	Ingestion	17%	**<1**	*No COCs		Ingestion	
				Dermal	80%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	3%					
Future Industrial Worker (surface soil)	**2.9E-05**	Arsenic	31%	Ingestion	17%	**3.1**	Antimony	63%	Ingestion	5%
		PAH, Total	66%	Dermal	80%		Nickel	26%	Dermal	95%
		Uranium-238	4%	Inhalation	0%				Inhalation	0%
				External exposure	3%					
Outdoor Worker (surface soil)	**5.3E-05**	Arsenic	47%	Ingestion	66%	**3.3**	Antimony	60%	Ingestion	33%
		PAH, Total	50%	Dermal	33%		Arsenic	5%	Dermal	67%
		Uranium-238	3%	Inhalation	0%		Iron	5%	Inhalation	0%
				External exposure	1%		Nickel	20%		
Outdoor Worker (surface and subsurface soil)	**4.7E-05**	Arsenic	56%	Ingestion	70%	**10.6**	Antimony	26%	Ingestion	51%
		PAH, Total	38%	Dermal	28%		Arsenic	2%	Dermal	49%
		Technetium-99	4%	Inhalation	0%		Cadmium	1%	Inhalation	0%
		Uranium-238	2%	External exposure	1%		Iron	2%		
							Manganese	6%		
							Nickel	7%		
							Thallium	51%		
							Vanadium	4%		
Excavation Worker (surface and subsurface soil)	**9.3E-06**	Arsenic	56%	Ingestion	70%	**10.6**	Antimony	26%	Ingestion	51%
		PAH, Total	38%	Dermal	28%		Arsenic	2%	Dermal	49%
				Inhalation	0%		Cadmium	1%	Inhalation	0%
				External exposure	1%		Iron	2%		
							Manganese	6%		
							Nickel	7%		
							Thallium	51%		
							Vanadium	4%		

Table D8.15. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 1 (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	**1.3E-04**	Arsenic	37%	Ingestion	36%	**7.5**	Antimony	63%	Ingestion	6%
(surface soil)		PAH, Total	60%	Dermal	61%		Arsenic	2%	Dermal	94%
		Uranium-238	3%	Inhalation	0%		Iron	3%	Inhalation	0%
				External exposure	3%		Nickel	26%		
							Silver	3%		
							Thallium	2%		
Future Child Resident	See Future Adult Resident					**21.5**	Antimony	61%	Ingestion	21%
(surface soil)							Arsenic	4%	Dermal	79%
							Barium	1%	Inhalation	0%
							Cadmium	1%		
							Copper	0%		
							Iron	4%		
							Nickel	23%		
							Silver	2%		
							Thallium	2%		
							Uranium	1%		

Table D8.15. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 1 (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)	**5.5E-05**	Arsenic	37%	Ingestion	34%	**2.3**	Antimony	63%	Ingestion	6%
		PAH, Total	62%	Dermal	65%		Nickel	26%	Dermal	94%
				Inhalation	0%				Inhalation	0%
				External exposure	1%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**6.9**	Antimony	63%	Ingestion	5%
							Arsenic	2%	Dermal	95%
							Iron	3%	Inhalation	0%
							Nickel	26%		
							Silver	3%		
							Thallium	1%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**8.6**	Antimony	61%	Ingestion	21%
							Arsenic	4%	Dermal	79%
							Cadmium	1%	Inhalation	0%
							Iron	4%		
							Nickel	23%		
							Silver	2%		
							Thallium	2%		

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.