Table D8.16. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 2

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)	**2.5E-06**	PAH, Total	53%	Ingestion	16%	**<1**	*No COCs		Ingestion	
				Dermal	67%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	17%					
Future Industrial Worker (surface soil)	**4.5E-05**	Arsenic	26%	Ingestion	16%	**4.7**	Antimony	54%	Ingestion	4%
		PAH, Total	53%	Dermal	67%		Iron	2%	Dermal	96%
		PCB, Total	2%	Inhalation	0%		Mercury	14%	Inhalation	0%
		Uranium-235	2%	External exposure	17%		Nickel	25%		
		Uranium-238	16%							
Outdoor Worker (surface soil)	**7.9E-05**	Arsenic	41%	Ingestion	65%	**4.8**	Antimony	53%	Ingestion	30%
		PAH, Total	41%	Dermal	28%		Arsenic	4%	Dermal	70%
		PCB, Total	2%	Inhalation	0%		Iron	5%	Inhalation	0%
		Uranium-234	3%	External exposure	7%		Mercury	12%		
		Uranium-238	13%				Nickel	21%		
							Uranium	4%		
Outdoor Worker (surface and subsurface soil)	**8.1E-05**	Arsenic	40%	Ingestion	64%	**8.2**	Antimony	34%	Ingestion	25%
		PAH, Total	40%	Dermal	27%		Arsenic	2%	Dermal	75%
		PCB, Total	2%	Inhalation	0%		Iron	3%	Inhalation	0%
		Neptunium-237	2%	External exposure	9%		Manganese	18%		
		Uranium-234	3%				Mercury	7%		
		Uranium-238	13%				Nickel	23%		
							Thallium	2%		
							Uranium	2%		
							Vanadium	6%		

Table D8.16. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 2 (Continued)

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Excavation Worker (surface and subsurface soil)	**1.6E-05**	Arsenic	40%	Ingestion	64%	**8.2**	Antimony	34%	Ingestion	25%
		PAH, Total	40%	Dermal	27%		Arsenic	2%	Dermal	75%
		Uranium-238	13%	Inhalation	0%		Iron	3%	Inhalation	0%
				External exposure	9%		Manganese	18%		
							Mercury	7%		
							Nickel	23%		
							Thallium	2%		
							Uranium	2%		
							Vanadium	6%		
Future Adult Resident (surface soil)	**1.9E-04**	Arsenic	33%	Ingestion	33%	**11.5**	Antimony	54%	Ingestion	5%
		PAH, Total	50%	Dermal	53%		Arsenic	2%	Dermal	95%
		PCB, Total	2%	Inhalation	0%		Barium	1%	Inhalation	0%
		Uranium-234	1%	External exposure	13%		Iron	2%		
		Uranium-235	2%				Mercury	14%		
		Uranium-238	13%				Nickel	25%		
							Uranium	2%		
Future Child Resident (surface soil)	See Future Adult Resident					**32.1**	Antimony	54%	Ingestion	19%
							Arsenic	3%	Dermal	81%
							Barium	1%	Inhalation	0%
							Iron	4%		
							Mercury	13%		
							Nickel	23%		
							Uranium	3%		

Table D8.16. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 2 (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)	**7.5E-05**	Arsenic	35%	Ingestion	34%	**3.4**	Antimony	54%	Ingestion	5%
		PAH, Total	56%	Dermal	62%		Mercury	14%	Dermal	95%
		PCB, Total	3%	Inhalation	0%		Nickel	25%	Inhalation	0%
		Uranium-238	5%	External exposure	4%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**10.6**	Antimony	54%	Ingestion	4%
							Arsenic	1%	Dermal	96%
							Iron	2%	Inhalation	0%
							Mercury	14%		
							Nickel	25%		
							Uranium	2%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**12.9**	Antimony	54%	Ingestion	19%
							Arsenic	3%	Dermal	81%
							Barium	1%	Inhalation	0%
							Iron	4%		
							Mercury	13%		
							Nickel	23%		
							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.