Table D8.25. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 26, 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	**4.3E-06**	PCB, Total	40%	Ingestion	10%	**<1**	*No COCs		Ingestion	
(surface soil)		Uranium-238	53%	Dermal	39%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	51%					
Future Industrial Worker	**7.8E-05**	PAH, Total	3%	Ingestion	10%	**1.6**	Nickel	9%	Ingestion	8%
(surface soil)		PCB, Total	40%	Dermal	39%		Uranium	26%	Dermal	92%
		Uranium-235	4%	Inhalation	0%		Vanadium	61%	Inhalation	0%
		Uranium-238	53%	External exposure	51%					
Outdoor Worker	**1.1E-04**	PAH, Total	3%	Ingestion	51%	**2.0**	Iron	9%	Ingestion	45%
(surface soil)		PCB, Total	39%	Dermal	21%		Nickel	6%	Dermal	55%
		Uranium-234	2%	Inhalation	0%		Uranium	45%	Inhalation	0%
		Uranium-235	3%	External exposure	28%		Vanadium	41%		
		Uranium-238	53%							
Outdoor Worker	**1.2E-04**	Arsenic	17%	Ingestion	57%	**9.6**	Antimony	20%	Ingestion	27%
(surface and subsurface		PAH, Total	4%	Dermal	17%		Arsenic	1%	Dermal	73%
soil)		PCB, Total	24%	Inhalation	0%		Beryllium	2%	Inhalation	0%
		Uranium-234	2%	External exposure	26%		Cobalt	2%		
		Uranium-235	2%				Iron	2%		
		Uranium-238	50%				Manganese	9%		
							Mercury	37%		
							Nickel	6%		
							Thallium	1%		
							Uranium	10%		
							Vanadium	8%		

Table D8.25. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 26, EU 1 (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)	**2.3E-05**	Arsenic	17%	Ingestion	57%	**9.6**	Antimony	20%	Ingestion	27%
		PCB, Total	24%	Dermal	17%		Arsenic	1%	Dermal	73%
		Uranium-238	50%	Inhalation	0%		Beryllium	2%	Inhalation	0%
				External exposure	26%		Cobalt	2%		
							Iron	2%		
							Manganese	9%		
							Mercury	37%		
							Nickel	6%		
							Thallium	1%		
							Uranium	10%		
							Vanadium	8%		
Future Adult Resident (surface soil)	**2.8E-04**	PAH, Total	3%	Ingestion	16%	**3.9**	Iron	5%	Ingestion	9%
		PCB, Total	43%	Dermal	36%		Nickel	9%	Dermal	91%
		Uranium-234	0%	Inhalation	0%		Uranium	26%	Inhalation	0%
		Uranium-235	4%	External exposure	47%		Vanadium	60%		
		Uranium-238	49%							
Future Child Resident (surface soil)	See Future Adult Resident					**12.1**	Iron	7%	Ingestion	30%
							Nickel	7%	Dermal	70%
							Uranium	37%	Inhalation	0%
							Vanadium	49%		

Table D8.25. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 26, 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)	**8.1E-05**	PAH, Total	5%	Ingestion	22%	**1.2**	Nickel	9%	Ingestion	9%
		PCB, Total	67%	Dermal	57%		Uranium	26%	Dermal	91%
		Uranium-235	2%	Inhalation	0%		Vanadium	60%	Inhalation	0%
		Uranium-238	25%	External exposure	20%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**3.5**	Iron	5%	Ingestion	7%
							Nickel	9%	Dermal	93%
							Uranium	25%	Inhalation	0%
							Vanadium	61%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**4.8**	Iron	7%	Ingestion	30%
							Nickel	7%	Dermal	70%
							Uranium	37%	Inhalation	0%
							Vanadium	49%		

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.