Table D8.29. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 77

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)	**1.5E-06**	*No COCs		Ingestion	11%	**<1**	*No COCs		Ingestion	
				Dermal	58%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	31%					
Future Industrial Worker (surface soil)	**2.7E-05**	PCB, Total	61%	Ingestion	11%	**1.8**	Iron	8%	Ingestion	8%
		Uranium-238	34%	Dermal	58%		Nickel	13%	Dermal	92%
				Inhalation	0%		Uranium	24%	Inhalation	0%
				External exposure	31%		Vanadium	55%		
Outdoor Worker (surface soil)	**4.0E-05**	PAH, Total	3%	Ingestion	55%	**2.3**	Iron	13%	Ingestion	45%
		PCB, Total	55%	Dermal	29%		Nickel	9%	Dermal	55%
		Thorium-230	10%	Inhalation	0%		Uranium	41%	Inhalation	0%
		Uranium-238	33%	External exposure	16%		Vanadium	37%		
Outdoor Worker (surface and subsurface soil)	**4.0E-05**	PAH, Total	3%	Ingestion	55%	**2.3**	Iron	13%	Ingestion	45%
		PCB, Total	55%	Dermal	29%		Nickel	9%	Dermal	55%
		Thorium-230	10%	Inhalation	0%		Uranium	41%	Inhalation	0%
		Uranium-238	33%	External exposure	16%		Vanadium	37%		
Excavation Worker (surface and subsurface soil)	**7.9E-06**	PCB, Total	55%	Ingestion	55%	**2.3**	Iron	13%	Ingestion	45%
		Uranium-238	32%	Dermal	29%		Nickel	9%	Dermal	55%
				Inhalation	0%		Uranium	41%	Inhalation	0%
				External exposure	16%		Vanadium	37%		
Future Adult Resident (surface soil)	**1.0E-04**	PAH, Total	3%	Ingestion	20%	**4.5**	Iron	8%	Ingestion	9%
		PCB, Total	64%	Dermal	52%		Nickel	13%	Dermal	91%
		Thorium-230	2%	Inhalation	0%		Uranium	24%	Inhalation	0%
		Uranium-238	31%	External exposure	27%		Vanadium	55%		
Future Child Resident (surface soil)	See Future Adult Resident					**13.9**	Iron	11%	Ingestion	31%
							Nickel	11%	Dermal	69%
							Uranium	34%	Inhalation	0%
							Vanadium	44%		

Table D8.29. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 77 (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)	**3.6E-05**	PAH, Total	4%	Ingestion	23%	**1.3**	Iron	8%	Ingestion	9%
		PCB, Total	81%	Dermal	67%		Nickel	13%	Dermal	91%
		Uranium-238	13%	Inhalation	0%		Uranium	24%	Inhalation	0%
				External exposure	10%		Vanadium	55%		
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**4.0**	Iron	8%	Ingestion	7%
							Nickel	13%	Dermal	93%
							Uranium	23%	Inhalation	0%
							Vanadium	56%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**5.6**	Iron	11%	Ingestion	31%
							Nickel	11%	Dermal	69%
							Uranium	34%	Inhalation	0%
							Vanadium	44%		

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.