Table D8.32. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 80, EU 3

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Current Industrial Worker	**1.0E-04**	PCB, Total	100%	Ingestion	9%	**<1**	*No COCs		Ingestion	
(surface soil)				Dermal	91%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	0%					
Future Industrial Worker	**1.9E-03**	PCB, Total	100%	Ingestion	9%	**2.2**	Manganese	54%	Ingestion	4%
(surface soil)				Dermal	91%		Molybdenum	7%	Dermal	96%
				Inhalation	0%		Vanadium	33%	Inhalation	0%
				External exposure	0%					
Outdoor Worker	**2.5E-03**	PCB, Total	>99%	Ingestion	50%	**2.2**	Iron	8%	Ingestion	29%
(surface soil)		Uranium-238	<1%	Dermal	50%		Manganese	45%	Dermal	71%
				Inhalation	0%		Molybdenum	15%	Inhalation	0%
				External exposure	0%		Uranium	5%		
							Vanadium	27%		
Outdoor Worker	**2.5E-03**	Arsenic	<1%	Ingestion	50%	**10.5**	Antimony	25%	Ingestion	24%
(surface and subsurface		PAH, Total	<1%	Dermal	50%		Arsenic	1%	Dermal	76%
soil)		PCB, Total	99%	Inhalation	0%		Iron	2%	Inhalation	0%
		Uranium-238	<1%	External exposure	0%		Manganese	10%		
							Mercury	48%		
							Molybdenum	5%		
							Nickel	2%		
							Uranium	1%		
							Vanadium	6%		
Excavation Worker	**5.0E-04**	Arsenic	<1%	Ingestion	50%	**10.5**	Antimony	25%	Ingestion	24%
(surface and subsurface		PAH, Total	<1%	Dermal	50%		Arsenic	1%	Dermal	76%
soil)		PCB, Total	99%	Inhalation	0%		Iron	2%	Inhalation	0%
				External exposure	0%		Manganese	10%		
							Mercury	48%		
							Molybdenum	5%		
							Nickel	2%		
							Uranium	1%		
							Vanadium	6%		

Table D8.32. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 80, EU 3 (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 (surface soil)	**7.2E-03**	PCB, Total	>99%	Ingestion	22%	**5.4**	Iron	4%	Ingestion	5%
		Uranium-238	<1%	Dermal	77%		Manganese	54%	Dermal	95%
				Inhalation	0%		Molybdenum	7%	Inhalation	0%
				External exposure	0%		Uranium	2%		
							Vanadium	32%		
Future Child Resident (surface soil)	See Future Adult Resident					**15.0**	Barium	1%	Ingestion	269%
							Iron	6%	Dermal	1229%
							Manganese	49%	Inhalation	2%
							Molybdenum	11%		
							Uranium	3%		
							Vanadium	30%		
Future Adult Recreational User (surface soil)	**3.3E-03**	PCB, Total	100%	Ingestion	21%	**1.6**	Manganese	53%	Ingestion	5%
				Dermal	79%		Molybdenum	7%	Dermal	95%
				Inhalation	0%		Vanadium	32%	Inhalation	0%
				External exposure	0%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**5.0**	Iron	4%	Ingestion	4%
							Manganese	54%	Dermal	96%
							Molybdenum	7%	Inhalation	0%
							Uranium	2%		
							Vanadium	33%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**6.0**	Iron	6%	Ingestion	18%
							Manganese	49%	Dermal	82%
							Molybdenum	11%	Inhalation	0%
							Uranium	3%		
							Vanadium	30%		

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.