Table D8.21. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 7

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Current Industrial Worker	**5.8E-06**	PCB, Total	81%	Ingestion	12%	**<1**	*No COCs		Ingestion	
(surface soil)				Dermal	83%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	5%					
Future Industrial Worker	**1.0E-04**	Arsenic	11%	Ingestion	12%	**8.8**	Antimony	40%	Ingestion	3%
(surface soil)		PAH, Total	2%	Dermal	83%		Manganese	17%	Dermal	96%
		PCB, Total	81%	Inhalation	0%		Nickel	38%	Inhalation	0%
		Uranium-235	1%	External exposure	5%					
		Uranium-238	5%							
Outdoor Worker	**1.6E-04**	Arsenic	20%	Ingestion	57%	**8.5**	Antimony	42%	Ingestion	25%
(surface soil)		PAH, Total	2%	Dermal	40%		Arsenic	2%	Dermal	75%
		PCB, Total	72%	Inhalation	0%		Iron	2%	Inhalation	0%
		Uranium-234	1%	External exposure	3%		Manganese	15%		
		Uranium-235	1%				Nickel	33%		
		Uranium-238	4%				Thallium	1%		
Outdoor Worker	**1.5E-04**	Arsenic	21%	Ingestion	57%	**8.5**	Antimony	43%	Ingestion	25%
(surface and subsurface		PAH, Total	1%	Dermal	41%		Arsenic	2%	Dermal	75%
soil)		PCB, Total	73%	Inhalation	0%		Cadmium	1%	Inhalation	0%
		Uranium-234	1%	External exposure	2%		Iron	2%		
		Uranium-238	4%				Manganese	14%		
							Nickel	33%		
							Silver	1%		
Excavation Worker	**3.1E-05**	Arsenic	21%	Ingestion	57%	**8.5**	Antimony	43%	Ingestion	25%
(surface and subsurface		PCB, Total	73%	Dermal	41%		Arsenic	2%	Dermal	75%
soil)		Uranium-238	4%	Inhalation	0%		Cadmium	1%	Inhalation	0%
				External exposure	2%		Iron	2%		
							Manganese	14%		
							Nickel	33%		
							Silver	1%		

Table D8.21. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 7 (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	**4.2E-04**	Arsenic	14%	Ingestion	27%	**21.7**	Antimony	40%	Ingestion	4%
(surface soil)		PAH, Total	2%	Dermal	68%		Arsenic	1%	Dermal	96%
		PCB, Total	79%	Inhalation	0%		Barium	0%	Inhalation	0%
		Uranium-234	<1%	External exposure	4%		Iron	1%		
		Uranium-235	1%				Manganese	17%		
		Uranium-238	4%				Nickel	38%		
							Silver	1%		
							Thallium	1%		
Future Child Resident	See Future Adult Resident					**58.4**	Antimony	41%	Ingestion	15%
(surface soil)							Arsenic	2%	Dermal	85%
							Barium	0%	Inhalation	0%
							Cadmium	1%		
							Copper	1%		
							Iron	2%		
							Manganese	16%		
							Nickel	35%		
							Silver	1%		
							Thallium	1%		
							Uranium	1%		

Table D8.21. Alternate Summary of Risk Characterization using KY ABS Values for SWMU 15, EU 7 (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)	**1.8E-04**	Arsenic	14%	Ingestion	26%	**6.4**	Antimony	40%	Ingestion	4%
		PAH, Total	2%	Dermal	73%		Manganese	17%	Dermal	96%
		PCB, Total	82%	Inhalation	0%		Nickel	38%	Inhalation	0%
		Uranium-238	1%	External exposure	1%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**19.9**	Antimony	40%	Ingestion	3%
							Arsenic	1%	Dermal	97%
							Iron	1%	Inhalation	0%
							Manganese	17%		
							Nickel	38%		
							Silver	1%		
							Thallium	1%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**23.4**	Antimony	41%	Ingestion	15%
							Arsenic	2%	Dermal	85%
							Barium	0%	Inhalation	0%
							Cadmium	1%		
							Copper	1%		
							Iron	2%		
							Manganese	16%		
							Nickel	35%		
							Silver	1%		
							Thallium	1%		
							Uranium	1%		

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.