Table D6.31. Summary of Risk Characterization for SWMU 80 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	**7.4E-05**	PCB, Total	3%	Ingestion	10%	**<1**	*No COCs		Ingestion	
(surface soil)		Uranium-235	6%	Dermal	3%				Dermal	
		Uranium-238	88%	Inhalation	0%				Inhalation	
				External exposure	86%					
Future Industrial Worker	**1.3E-03**	PAH, Total	1%	Ingestion	10%	**<1**	*No COCs		Ingestion	
(surface soil)		PCB, Total	3%	Dermal	3%				Dermal	
		Americium-241	0%	Inhalation	0%				Inhalation	
		Cesium-137	1%	External exposure	86%					
		Neptunium-237	0%							
		Uranium-234	1%							
		Uranium-235	6%							
		Uranium-238	88%							
Outdoor Worker	**1.8E-03**	PAH, Total	1%	Ingestion	52%	**6.7**	Antimony	7%	Ingestion	99%
(surface soil)		PCB, Total	3%	Dermal	2%		Cobalt	3%	Dermal	0%
		Americium-241	<1%	Inhalation	0%		Iron	2%	Inhalation	1%
		Cesium-137	<1%	External exposure	46%		Uranium	87%		
		Neptunium-237	<1%							
		Uranium-234	4%							
		Uranium-235	4%							
		Uranium-238	88%							

Table D6.31. Summary of Risk Characterization for SWMU 80 EU 2 (Continued)

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Outdoor Worker	**1.9E-03**	Arsenic	1%	Ingestion	53%	**7.1**	Antimony	8%	Ingestion	99%
(surface and subsurface		PAH, Total	1%	Dermal	2%		Arsenic	2%	Dermal	0%
soil)		PCB, Total	3%	Inhalation	0%		Cobalt	3%	Inhalation	1%
		Americium-241	<1%	External exposure	45%		Iron	2%		
		Cesium-137	<1%				Manganese	2%		
		Neptunium-237	<1%				Uranium	82%		
		Uranium-234	4%							
		Uranium-235	4%							
		Uranium-238	87%							
Excavation Worker	**3.7E-04**	Arsenic	1%	Ingestion	53%	**7.1**	Antimony	8%	Ingestion	99%
(surface and subsurface		PAH, Total	1%	Dermal	2%		Arsenic	2%	Dermal	0%
soil)		PCB, Total	3%	Inhalation	0%		Cobalt	3%	Inhalation	1%
		Cesium-137	<1%	External exposure	45%		Iron	2%		
		Uranium-234	4%				Manganese	2%		
		Uranium-235	4%				Uranium	82%		
		Uranium-238	87%							
Future Adult Resident	**4.4E-03**	PAH, Total	1%	Ingestion	12%	**2.7**	Antimony	6%	Ingestion	96%
(surface soil)		PCB, Total	4%	Dermal	3%		Uranium	88%	Dermal	0%
		Americium-241	<1%	Inhalation	0%				Inhalation	4%
		Cesium-137	1%	External exposure	85%					
		Neptunium-237	<1%							
		Uranium-234	1%							
		Uranium-235	6%							
		Uranium-238	88%							

Table D6.31. Summary of Risk Characterization for SWMU 80 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 Child Resident (surface soil)	See Future Adult Resident					**28.2**	Antimony	7%	Ingestion	100%
							Cobalt	3%	Dermal	0%
							Iron	2%	Inhalation	0%
							Uranium	87%		
							Vanadium	1%		
Future Adult Recreational User (surface soil)	**7.2E-04**	PAH, Total	2%	Ingestion	26%	**<1**	*No COCs		Ingestion	
		PCB, Total	10%	Dermal	9%				Dermal	
		Cesium-137	<1%	Inhalation	0%				Inhalation	
		Uranium-234	2%	External exposure	64%					
		Uranium-235	5%							
		Uranium-238	81%							
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2**	Antimony	7%	Ingestion	99%
							Uranium	87%	Dermal	0%
									Inhalation	1%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**11.2**	Antimony	7%	Ingestion	100%
							Cobalt	3%	Dermal	0%
							Iron	2%	Inhalation	0%
							Uranium	87%		
							Vanadium	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.