Table D8.40. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 8

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)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Industrial Worker (surface soil)	**2.0E-06**	Uranium-238	60%	Ingestion Dermal Inhalation External exposure	10% 36% 0% 53%	**1.1**	Nickel Vanadium	12% 72%	Ingestion Dermal Inhalation	5% 95% 0%
Outdoor Worker (surface soil)	**2.8E-06**	PAH, Total Uranium-238	40% 60%	Ingestion Dermal Inhalation External exposure	52% 19% 0% 29%	**1.1**	Cobalt Iron Nickel Vanadium	17% 15% 10% 58%	Ingestion Dermal Inhalation	32% 68% 0%
Outdoor Worker (surface and subsurface soil)	**2.0E-05**	Arsenic PAH, Total Uranium-238	86% 6% 9%	Ingestion Dermal Inhalation External exposure	78% 18% 0% 4%	**2.7**	Arsenic Cobalt Iron Manganese Nickel Vanadium	4% 7% 7% 54% 4% 24%	Ingestion Dermal Inhalation	23% 76% 0%
Excavation Worker (surface and subsurface soil)	**3.9E-06**	Arsenic	85%	Ingestion Dermal Inhalation External exposure	78% 18% 0% 4%	**2.7**	Arsenic Cobalt Iron Manganese Nickel Vanadium	4% 7% 7% 54% 4% 24%	Ingestion Dermal Inhalation	23% 76% 0%
Future Adult Resident (surface soil)	**7.3E-06**	PAH, Total Uranium-238	45% 55%	Ingestion Dermal Inhalation External exposure	17% 34% 0% 49%	**2.7**	Cobalt Iron Nickel Vanadium	8% 8% 12% 72%	Ingestion Dermal Inhalation	5% 95% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**7.6**	Cobalt Iron Nickel Vanadium	13% 12% 11% 64%	Ingestion Dermal Inhalation	20% 80% 0%

Table D8.40. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 8 (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)	**2.1E-06**	PAH, Total	71%	Ingestion	23%	**<1**	*No COCs		Ingestion	
				Dermal	55%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	22%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.5**	Cobalt	8%	Ingestion	4%
							Iron	7%	Dermal	96%
							Nickel	12%	Inhalation	0%
							Vanadium	72%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.0**	Cobalt	13%	Ingestion	20%
							Iron	12%	Dermal	80%
							Nickel	11%	Inhalation	0%
							Vanadium	64%		

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.