Table D8.42. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 10

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)	**2.6E-06**	Uranium-238	73%	Ingestion Dermal Inhalation External exposure	10% 25% 0% 65%	**1.3**	Antimony Nickel Vanadium	25% 12% 56%	Ingestion Dermal Inhalation	3% 96% 0%
Outdoor Worker (surface soil)	**3.6E-06**	Uranium-238	73%	Ingestion Dermal Inhalation External exposure	52% 13% 0% 35%	**1.2**	Antimony Iron Nickel Vanadium	26% 15% 11% 49%	Ingestion Dermal Inhalation	26% 74% 0%
Outdoor Worker (surface and subsurface soil)	**5.5E-06**	Cesium-137 Uranium-238	34% 48%	Ingestion Dermal Inhalation External exposure	35% 9% 0% 57%	**1.7**	Antimony Iron Molybdenum Nickel Vanadium	18% 14% 20% 8% 39%	Ingestion Dermal Inhalation	37% 63% 0%
Excavation Worker (surface and subsurface soil)	**1.2E-06**	*No COCs		Ingestion Dermal Inhalation External exposure	32% 8% 0% 60%	**1.7**	Antimony Iron Molybdenum Nickel Vanadium	18% 14% 20% 8% 39%	Ingestion Dermal Inhalation	37% 63% 0%
Future Adult Resident (surface soil)	**9.2E-06**	PAH, Total Uranium-238	31% 69%	Ingestion Dermal Inhalation External exposure	15% 24% 0% 61%	**3.1**	Antimony Iron Nickel Vanadium	25% 7% 12% 56%	Ingestion Dermal Inhalation	4% 96% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**8.4**	Antimony Iron Nickel Vanadium	25% 11% 11% 52%	Ingestion Dermal Inhalation	16% 84% 0%

Table D8.42. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 10 (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)	**2.2E-06**	PAH, Total	57%	Ingestion	24%	**<1**	*No COCs		Ingestion	
				Dermal	45%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	31%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.8**	Antimony	25%	Ingestion	3%
							Iron	7%	Dermal	97%
							Nickel	12%	Inhalation	0%
							Vanadium	56%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.3**	Antimony	25%	Ingestion	16%
							Iron	11%	Dermal	84%
							Nickel	11%	Inhalation	0%
							Vanadium	52%		

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.