Table D8.44. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 12

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)	**2.7E-06**	Uranium-238	73%	Ingestion Dermal Inhalation External exposure	10% 24% 0% 66%	**1.1**	Nickel Vanadium	13% 76%	Ingestion Dermal Inhalation	4% 96% 0%
Outdoor Worker (surface soil)	**3.7E-06**	Uranium-238	73%	Ingestion Dermal Inhalation External exposure	52% 13% 0% 35%	**1.1**	Iron Nickel Vanadium	15% 11% 65%	Ingestion Dermal Inhalation	26% 73% 0%
Outdoor Worker (surface and subsurface soil)	**2.5E-05**	Arsenic Cesium-137 Uranium-238	77% 8% 11%	Ingestion Dermal Inhalation External exposure	71% 16% 0% 13%	**3.8**	Arsenic Iron Manganese Molybdenum Nickel Vanadium	3% 4% 59% 11% 3% 19%	Ingestion Dermal Inhalation	24% 76% 0%
Excavation Worker (surface and subsurface soil)	**5.1E-06**	Arsenic	76%	Ingestion Dermal Inhalation External exposure	70% 15% 0% 14%	**3.8**	Arsenic Iron Manganese Molybdenum Nickel Vanadium	3% 4% 59% 11% 3% 19%	Ingestion Dermal Inhalation	24% 76% 0%
Future Adult Resident (surface soil)	**9.4E-06**	PAH, Total Uranium-238	30% 70%	Ingestion Dermal Inhalation External exposure	15% 23% 0% 62%	**2.8**	Iron Nickel Thallium Vanadium	7% 13% 4% 76%	Ingestion Dermal Inhalation	4% 96% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**7.5**	Iron Nickel Thallium Vanadium	12% 12% 6% 70%	Ingestion Dermal Inhalation	16% 84% 0%

Table D8.44. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 12 (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)	**2.3E-06**	PAH, Total	56%	Ingestion	24%	**<1**	*No COCs		Ingestion	
				Dermal	44%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	32%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.5**	Iron	7%	Ingestion	3%
							Nickel	13%	Dermal	97%
							Vanadium	76%	Inhalation	0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.0**	Iron	12%	Ingestion	16%
							Nickel	12%	Dermal	84%
							Thallium	6%	Inhalation	0%
							Vanadium	70%		

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.