Table D8.47. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 15

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)	**8.9E-06**	Cesium-137 Uranium-238	62% 36%	Ingestion Dermal Inhalation External exposure	4% 1% 0% 95%	**1.1**	Molybdenum Nickel Vanadium	18% 12% 62%	Ingestion Dermal Inhalation	7% 93% 0%
Outdoor Worker (surface soil)	**8.9E-06**	Cesium-137 Uranium-238	47% 51%	Ingestion Dermal Inhalation External exposure	28% 1% 0% 71%	**1.3**	Iron Molybdenum Nickel Vanadium	13% 33% 8% 44%	Ingestion Dermal Inhalation	42% 58% 0%
Outdoor Worker (surface and subsurface soil)	**1.2E-05**	PAH, Total Cesium-137 Uranium-238	25% 36% 39%	Ingestion Dermal Inhalation External exposure	34% 12% 0% 54%	**2.4**	Iron Manganese Molybdenum Vanadium	12% 39% 20% 29%	Ingestion Dermal Inhalation	32% 68% 0%
Excavation Worker (surface and subsurface soil)	**2.5E-06**	Cesium-137	41%	Ingestion Dermal Inhalation External exposure	31% 11% 0% 58%	**2.4**	Iron Manganese Molybdenum Vanadium	12% 39% 20% 29%	Ingestion Dermal Inhalation	32% 68% 0%

Table D8.47. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 15 (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 (surface soil)	**2.9E-05**	Cesium-137	61%	Ingestion	5%	**2.7**	Iron	7%	Ingestion	8%
		Uranium-238	37%	Dermal	1%		Molybdenum	19%	Dermal	92%
				Inhalation	0%		Nickel	12%	Inhalation	0%
				External exposure	94%		Vanadium	62%		
Future Child Resident (surface soil)	See Future Adult Resident					**8.1**	Iron	11%	Ingestion	28%
							Molybdenum	27%	Dermal	72%
							Nickel	10%	Inhalation	0%
							Uranium	1%		
							Vanadium	51%		
Future Adult Recreational User (surface soil)	**4.1E-06**	Cesium-137	55%	Ingestion	12%	**<1**	*No COCs		Ingestion	
		Uranium-238	39%	Dermal	5%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	83%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.4**	Iron	7%	Ingestion	6%
							Molybdenum	18%	Dermal	94%
							Nickel	12%	Inhalation	0%
							Vanadium	62%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.3**	Iron	11%	Ingestion	28%
							Molybdenum	27%	Dermal	72%
							Nickel	10%	Inhalation	0%
							Vanadium	51%		

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.