Table D8.43. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 11

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)	**2.9E-06**	PAH, Total Uranium-238	35% 65%	Ingestion Dermal Inhalation External exposure	10% 31% 0% 58%	**1.4**	Molybdenum Nickel Vanadium	17% 13% 63%	Ingestion Dermal Inhalation	6% 94% 0%
Outdoor Worker (surface soil)	**4.0E-06**	PAH, Total Uranium-238	35% 65%	Ingestion Dermal Inhalation External exposure	52% 17% 0% 31%	**1.6**	Iron Molybdenum Nickel Vanadium	12% 33% 9% 46%	Ingestion Dermal Inhalation	40% 60% 0%
Outdoor Worker (surface and subsurface soil)	**2.2E-05**	Arsenic PAH, Total Uranium-238	80% 8% 12%	Ingestion Dermal Inhalation External exposure	76% 18% 0% 6%	**2.7**	Arsenic Iron Manganese Molybdenum Nickel Vanadium	4% 7% 38% 19% 5% 27%	Ingestion Dermal Inhalation	31% 69% 0%
Excavation Worker (surface and subsurface soil)	**4.3E-06**	Arsenic	80%	Ingestion Dermal Inhalation External exposure	76% 18% 0% 6%	**2.7**	Arsenic Iron Manganese Molybdenum Nickel Vanadium	4% 7% 38% 19% 5% 27%	Ingestion Dermal Inhalation	31% 69% 0%
Future Adult Resident (surface soil)	**1.0E-05**	PAH, Total Uranium-238	39% 61%	Ingestion Dermal Inhalation External exposure	16% 30% 0% 54%	**3.3**	Iron Molybdenum Nickel Vanadium	6% 18% 13% 63%	Ingestion Dermal Inhalation	7% 93% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**9.9**	Iron Molybdenum Nickel Vanadium	9% 27% 11% 53%	Ingestion Dermal Inhalation	26% 74% 0%

Table D8.43. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 11 (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)	**2.7E-06**	PAH, Total	65%	Ingestion	23%	**<1**	*No COCs		Ingestion	
				Dermal	51%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	25%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**3.0**	Iron	6%	Ingestion	6%
							Molybdenum	17%	Dermal	94%
							Nickel	13%	Inhalation	0%
							Vanadium	64%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**4.0**	Iron	9%	Ingestion	26%
							Molybdenum	27%	Dermal	74%
							Nickel	11%	Inhalation	0%
							Vanadium	53%		

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.