Table D8.37. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 5

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)	**2.5E-06**	Arsenic	91%	Ingestion Dermal Inhalation External exposure	31% 62% 0% 7%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Industrial Worker (surface soil)	**4.4E-05**	Arsenic Uranium-238	92% 8%	Ingestion Dermal Inhalation External exposure	31% 62% 0% 7%	**1.1**	Arsenic Nickel Vanadium	23% 10% 65%	Ingestion Dermal Inhalation	8% 91% 0%
Outdoor Worker (surface soil)	**1.2E-04**	Arsenic Uranium-238	95% 4%	Ingestion Dermal Inhalation External exposure	81% 17% 0% 2%	**1.4**	Arsenic Vanadium	49% 43%	Ingestion Dermal Inhalation	47% 53% 0%
Outdoor Worker (surface and subsurface soil)	**1.2E-04**	Arsenic Uranium-238	95% 5%	Ingestion Dermal Inhalation External exposure	81% 17% 0% 2%	**2.8**	Arsenic Cobalt Manganese Molybdenum Vanadium	25% 5% 37% 7% 22%	Ingestion Dermal Inhalation	37% 62% 0%
Excavation Worker (surface and subsurface soil)	**2.4E-05**	Arsenic Uranium-238	95% 5%	Ingestion Dermal Inhalation External exposure	81% 17% 0% 2%	**2.8**	Arsenic Cobalt Manganese Molybdenum Vanadium	25% 5% 37% 7% 22%	Ingestion Dermal Inhalation	37% 62% 0%
Future Adult Resident (surface soil)	**2.3E-04**	Arsenic Uranium-238	95% 5%	Ingestion Dermal Inhalation External exposure	55% 40% 0% 4%	**2.7**	Arsenic Nickel Vanadium	23% 10% 65%	Ingestion Dermal Inhalation	10% 90% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**8.7**	Antimony Arsenic Nickel Vanadium	2% 39% 8% 51%	Ingestion Dermal Inhalation	32% 68% 0%

Table D8.37. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 5 (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)	**9.5E-05**	Arsenic Uranium-238	98% 2%	Ingestion Dermal Inhalation External exposure	54% 45% 0% 1%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**3.5**	Arsenic Nickel Vanadium	22% 10% 66%	Ingestion Dermal Inhalation	8% 92% 0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**2.3**	Arsenic Nickel Vanadium	39% 8% 51%	Ingestion Dermal Inhalation	32% 68% 0%

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.