Table D8.35. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 3

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)	**1.8E-06**	Uranium-238	78%	Ingestion Dermal Inhalation External exposure	10% 20% 0% 70%	**1.1**	Silver Vanadium	31% 69%	Ingestion Dermal Inhalation	1% 99% 0%
Outdoor Worker (surface soil)	**2.5E-06**	Uranium-238	78%	Ingestion Dermal Inhalation External exposure	52% 11% 0% 37%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**2.4E-05**	Arsenic Uranium-238	90% 8%	Ingestion Dermal Inhalation External exposure	79% 17% 0% 4%	**2.5**	Arsenic Manganese Molybdenum Silver Vanadium	5% 44% 16% 11% 24%	Ingestion Dermal Inhalation	26% 74% 0%
Excavation Worker (surface and subsurface soil)	**4.9E-06**	Arsenic	90%	Ingestion Dermal Inhalation External exposure	79% 17% 0% 4%	**2.5**	Arsenic Manganese Molybdenum Silver Vanadium	5% 44% 16% 11% 24%	Ingestion Dermal Inhalation	26% 74% 0%
Future Adult Resident (surface soil)	**6.2E-06**	PAH, Total Uranium-238	25% 75%	Ingestion Dermal Inhalation External exposure	14% 19% 0% 66%	**2.6**	Silver Vanadium	31% 69%	Ingestion Dermal Inhalation	2% 98% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**6.5**	Silver Vanadium	31% 69%	Ingestion Dermal Inhalation	7% 93% 0%

Table D8.35. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 3 (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)	**1.4E-06**	*No COCs		Ingestion Dermal Inhalation External exposure	24% 39% 0% 37%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.4**	Silver Vanadium	31% 69%	Ingestion Dermal Inhalation	1% 99% 0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**2.6**	Silver Vanadium	31% 69%	Ingestion Dermal Inhalation	7% 93% 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.