Table D8.36. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 4

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)	**1.4E-06**	Uranium-238	81%	Ingestion Dermal Inhalation External exposure	10% 17% 0% 72%	**1.5**	Molybdenum Silver Vanadium	17% 23% 54%	Ingestion Dermal Inhalation	6% 94% 0%
Outdoor Worker (surface soil)	**1.9E-06**	Uranium-238	81%	Ingestion Dermal Inhalation External exposure	52% 9% 0% 39%	**1.7**	Iron Molybdenum Silver Vanadium	10% 33% 17% 40%	Ingestion Dermal Inhalation	38% 62% 0%
Outdoor Worker (surface and subsurface soil)	**2.4E-05**	Arsenic Uranium-238	92% 6%	Ingestion Dermal Inhalation External exposure	80% 17% 0% 3%	**2.8**	Arsenic Iron Manganese Molybdenum Silver Vanadium	5% 6% 34% 20% 11% 25%	Ingestion Dermal Inhalation	32% 68% 0%
Excavation Worker (surface and subsurface soil)	**4.7E-06**	Arsenic	92%	Ingestion Dermal Inhalation External exposure	80% 17% 0% 3%	**2.8**	Arsenic Iron Manganese Molybdenum Silver Vanadium	5% 6% 34% 20% 11% 25%	Ingestion Dermal Inhalation	32% 68% 0%
Future Adult Resident (surface soil)	**4.7E-06**	PAH, Total Uranium-238	22% 78%	Ingestion Dermal Inhalation External exposure	14% 17% 0% 69%	**3.8**	Iron Molybdenum Silver Vanadium	5% 18% 23% 54%	Ingestion Dermal Inhalation	7% 93% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**11.1**	Iron Molybdenum Silver Vanadium	8% 26% 20% 46%	Ingestion Dermal Inhalation	25% 75% 0%

Table D8.36. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 4 (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)	**1.0E-06**	*No COCs		Ingestion	24%	**1.1**	Molybdenum	18%	Ingestion	7%
				Dermal	36%		Silver	23%	Dermal	93%
				Inhalation	0%		Vanadium	54%	Inhalation	0%
				External exposure	40%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**3.4**	Iron	5%	Ingestion	6%
							Molybdenum	17%	Dermal	94%
							Silver	23%	Inhalation	0%
							Vanadium	55%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**4.4**	Iron	8%	Ingestion	25%
							Molybdenum	26%	Dermal	75%
							Silver	20%	Inhalation	0%
							Vanadium	46%		

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.