Table D8.45. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 13

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)	**7.5E-06**	PAH, Total Uranium-238	76% 24%	Ingestion Dermal Inhalation External exposure	10% 68% 0% 22%	**1.1**	Molybdenum Vanadium	19% 81%	Ingestion Dermal Inhalation	5% 95% 0%
Outdoor Worker (surface soil)	**1.0E-05**	PAH, Total Uranium-238	76% 24%	Ingestion Dermal Inhalation External exposure	52% 37% 0% 12%	**1.2**	Molybdenum Vanadium	37% 63%	Ingestion Dermal Inhalation	35% 65% 0%
Outdoor Worker (surface and subsurface soil)	**2.9E-05**	Arsenic PAH, Total Cesium-137 Uranium-238	58% 27% 7% 9%	Ingestion Dermal Inhalation External exposure	66% 23% 0% 11%	**2.4**	Arsenic Manganese Molybdenum Vanadium	4% 45% 21% 30%	Ingestion Dermal Inhalation	28% 72% 0%
Excavation Worker (surface and subsurface soil)	**5.9E-06**	Arsenic PAH, Total	57% 26%	Ingestion Dermal Inhalation External exposure	65% 23% 0% 12%	**2.4**	Arsenic Manganese Molybdenum Vanadium	4% 45% 21% 30%	Ingestion Dermal Inhalation	28% 72% 0%
Future Adult Resident (surface soil)	**2.8E-05**	PAH, Total Uranium-238	79% 21%	Ingestion Dermal Inhalation External exposure	21% 60% 0% 19%	**2.6**	Molybdenum Vanadium	19% 81%	Ingestion Dermal Inhalation	6% 94% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**7.5**	Molybdenum Vanadium	29% 71%	Ingestion Dermal Inhalation	22% 78% 0%

Table D8.45. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 13 (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)	**1.1E-05**	PAH, Total	91%	Ingestion Dermal Inhalation External exposure	22% 72% 0% 6%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.4**	Molybdenum Vanadium	18% 82%	Ingestion Dermal Inhalation	5% 95% 0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.0**	Molybdenum Vanadium	29% 71%	Ingestion Dermal Inhalation	22% 78% 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.