Table D8.51. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 19

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)	**3.1E-06**	PAH, Total Uranium-238	47% 53%	Ingestion Dermal Inhalation External exposure	10% 43% 0% 47%	**1.1**	Nickel Silver Vanadium	12% 29% 55%	Ingestion Dermal Inhalation	2% 97% 0%
Outdoor Worker (surface soil)	**4.2E-06**	PAH, Total Uranium-238	47% 53%	Ingestion Dermal Inhalation External exposure	52% 23% 0% 25%	**1.0**	Nickel Silver Uranium Vanadium	11% 27% 11% 51%	Ingestion Dermal Inhalation	19% 81% 0%
Outdoor Worker (surface and subsurface soil)	**2.8E-05**	Arsenic PAH, Total Uranium-238	85% 7% 8%	Ingestion Dermal Inhalation External exposure	78% 19% 0% 4%	**2.6**	Arsenic Manganese Nickel Silver Uranium Vanadium	6% 52% 4% 11% 5% 23%	Ingestion Dermal Inhalation	19% 81% 0%
Excavation Worker (surface and subsurface soil)	**5.6E-06**	Arsenic	85%	Ingestion Dermal Inhalation External exposure	78% 19% 0% 4%	**2.6**	Arsenic Manganese Nickel Silver Uranium Vanadium	6% 52% 4% 11% 5% 23%	Ingestion Dermal Inhalation	19% 81% 0%
Future Adult Resident (surface soil)	**1.1E-05**	PAH, Total Uranium-238	52% 48%	Ingestion Dermal Inhalation External exposure	18% 39% 0% 43%	**2.8**	Nickel Silver Uranium Vanadium	11% 29% 5% 55%	Ingestion Dermal Inhalation	3% 97% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**7.3**	Nickel Silver Uranium Vanadium	11% 28% 8% 53%	Ingestion Dermal Inhalation	11% 89% 0%

Table D8.51. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 19 (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)	**3.4E-06**	PAH, Total	76%	Ingestion	23%	**<1**	*No COCs		Ingestion	
				Dermal	60%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	17%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.6**	Nickel	12%	Ingestion	2%
							Silver	29%	Dermal	98%
							Uranium	5%	Inhalation	0%
							Vanadium	55%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**2.9**	Nickel	11%	Ingestion	11%
							Silver	28%	Dermal	89%
							Uranium	8%	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.