Table D8.50. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 18

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)	**1.2E-06**	Uranium-238	93%	Ingestion Dermal Inhalation External exposure	10% 6% 0% 84%	**1.2**	Nickel Vanadium	12% 75%	Ingestion Dermal Inhalation	4% 96% 0%
Outdoor Worker (surface soil)	**1.6E-06**	Uranium-238	93%	Ingestion Dermal Inhalation External exposure	52% 3% 0% 45%	**1.2**	Iron Nickel Uranium Vanadium	16% 9% 12% 62%	Ingestion Dermal Inhalation	30% 70% 0%
Outdoor Worker (surface and subsurface soil)	**1.8E-06**	Uranium-238	82%	Ingestion Dermal Inhalation External exposure	52% 9% 0% 39%	**2.8**	Iron Manganese Nickel Silver Uranium Vanadium	7% 40% 4% 16% 5% 27%	Ingestion Dermal Inhalation	20% 80% 0%
Excavation Worker (surface and subsurface soil)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**2.8**	Iron Manganese Nickel Silver Uranium Vanadium	7% 40% 4% 16% 5% 27%	Ingestion Dermal Inhalation	20% 80% 0%
Future Adult Resident (surface soil)	**3.9E-06**	Uranium-238	92%	Ingestion Dermal Inhalation External exposure	12% 6% 0% 82%	**3.0**	Iron Nickel Uranium Vanadium	8% 11% 6% 75%	Ingestion Dermal Inhalation	5% 95% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**8.2**	Iron Nickel Uranium Vanadium	13% 10% 10% 68%	Ingestion Dermal Inhalation	19% 81% 0%

Table D8.50. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 18 (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 Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.7**	Iron Nickel Uranium Vanadium	8% 12% 6% 75%	Ingestion Dermal Inhalation	4% 96% 0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.3**	Iron Nickel Uranium Vanadium	13% 10% 9% 68%	Ingestion Dermal Inhalation	19% 81% 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.