Table D6.33. Summary of Risk Characterization for AOC 204 EU 1

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)	**6.3E-06**	PAH, Total	88%	Ingestion Dermal Inhalation External exposure	10% 79% 0% 11%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**8.7E-06**	PAH, Total Uranium-238	88% 12%	Ingestion Dermal Inhalation External exposure	52% 42% 0% 6%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**8.7E-06**	PAH, Total Uranium-238	87% 13%	Ingestion Dermal Inhalation External exposure	52% 42% 0% 6%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**1.8E-06**	PAH, Total	87%	Ingestion Dermal Inhalation External exposure	52% 42% 0% 6%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**2.4E-05**	PAH, Total Uranium-238	89% 10%	Ingestion Dermal Inhalation External exposure	22% 68% 0% 9%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident								Ingestion Dermal Inhalation	

Table D6.33. Summary of Risk Characterization for AOC 204 EU 1 (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-05**	PAH, Total	96%	Ingestion Dermal Inhalation External exposure	22% 75% 0% 3%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.34. Summary of Risk Characterization for AOC 204 EU 2

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)	**2.0E-06**	Arsenic	91%	Ingestion Dermal Inhalation External exposure	31% 63% 0% 6%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Industrial Worker (surface soil)	**3.5E-05**	Arsenic Uranium-238	91% 7%	Ingestion Dermal Inhalation External exposure	31% 63% 0% 6%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**9.5E-05**	Arsenic Uranium-238	96% 3%	Ingestion Dermal Inhalation External exposure	81% 18% 0% 2%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**9.4E-05**	Arsenic Uranium-238	97% 3%	Ingestion Dermal Inhalation External exposure	81% 18% 0% 1%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**1.9E-05**	Arsenic	97%	Ingestion Dermal Inhalation External exposure	81% 18% 0% 1%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**1.8E-04**	Arsenic PAH, Total Uranium-238	94% 1% 4%	Ingestion Dermal Inhalation External exposure	55% 41% 0% 4%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**3.1**	Arsenic Vanadium	90% 10%	Ingestion Dermal Inhalation	74% 26% 0%

Table D6.34. Summary of Risk Characterization for AOC 204 EU 2 (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)	**7.7E-05**	Arsenic PAH, Total Uranium-238	97% 2% 2%	Ingestion Dermal Inhalation External exposure	54% 45% 0% 1%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**1.2**	Arsenic Vanadium	90% 10%	Ingestion Dermal Inhalation	74% 26% 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.

Table D6.35. Summary of Risk Characterization 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**	*No COCs		Ingestion Dermal Inhalation	
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%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**4.9E-06**	Arsenic	90%	Ingestion Dermal Inhalation External exposure	79% 17% 0% 4%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**6.2E-06**	PAH, Total Uranium-238	25% 75%	Ingestion Dermal Inhalation External exposure	14% 19% 0% 66%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident								Ingestion Dermal Inhalation	

Table D6.35. Summary of Risk Characterization 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					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.36. Summary of Risk Characterization 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**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**1.9E-06**	Uranium-238	81%	Ingestion Dermal Inhalation External exposure	52% 9% 0% 39%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**2.4E-05**	Arsenic Uranium-238	92% 6%	Ingestion Dermal Inhalation External exposure	80% 17% 0% 3%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**4.7E-06**	Arsenic	92%	Ingestion Dermal Inhalation External exposure	80% 17% 0% 3%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**4.7E-06**	PAH, Total Uranium-238	22% 78%	Ingestion Dermal Inhalation External exposure	14% 17% 0% 69%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**2.8**	Iron Molybdenum Silver Vanadium	19% 63% 5% 13%	Ingestion Dermal Inhalation	100% 0% 0%

Table D6.36. Summary of Risk Characterization 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 Dermal Inhalation External exposure	24% 36% 0% 40%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**1.1**	Iron Molybdenum Vanadium	19% 63% 13%	Ingestion Dermal Inhalation	100% 0% 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.

Table D6.37. Summary of Risk Characterization for AOC 204 EU 5

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)	**2.5E-06**	Arsenic	91%	Ingestion Dermal Inhalation External exposure	31% 62% 0% 7%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Industrial Worker (surface soil)	**4.4E-05**	Arsenic Uranium-238	92% 8%	Ingestion Dermal Inhalation External exposure	31% 62% 0% 7%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**1.2E-04**	Arsenic Uranium-238	95% 4%	Ingestion Dermal Inhalation External exposure	81% 17% 0% 2%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**1.2E-04**	Arsenic Uranium-238	95% 5%	Ingestion Dermal Inhalation External exposure	81% 17% 0% 2%	**1.0**	Arsenic Cobalt Manganese	69% 11% 13%	Ingestion Dermal Inhalation	87% 12% 1%
Excavation Worker (surface and subsurface soil)	**2.4E-05**	Arsenic Uranium-238	95% 5%	Ingestion Dermal Inhalation External exposure	81% 17% 0% 2%	**1.0**	Arsenic Cobalt Manganese	69% 11% 13%	Ingestion Dermal Inhalation	87% 12% 1%
Future Adult Resident (surface soil)	**2.3E-04**	Arsenic Uranium-238	95% 5%	Ingestion Dermal Inhalation External exposure	55% 40% 0% 4%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**3.7**	Arsenic Vanadium	92% 8%	Ingestion Dermal Inhalation	74% 26% 0%

Table D6.37. Summary of Risk Characterization for AOC 204 EU 5 (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)	**9.5E-05**	Arsenic Uranium-238	98% 2%	Ingestion Dermal Inhalation External exposure	54% 45% 0% 1%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**1.5**	Arsenic Vanadium	92% 8%	Ingestion Dermal Inhalation	74% 26% 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.

Table D6.38. Summary of Risk Characterization for AOC 204 EU 6

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)	**2.6E-06**	Uranium-238	86%	Ingestion Dermal Inhalation External exposure	10% 13% 0% 77%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**3.6E-06**	Uranium-238	86%	Ingestion Dermal Inhalation External exposure	52% 7% 0% 41%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**2.3E-05**	Arsenic Uranium-238	85% 13%	Ingestion Dermal Inhalation External exposure	78% 16% 0% 6%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**4.7E-06**	Arsenic	85%	Ingestion Dermal Inhalation External exposure	78% 16% 0% 6%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**8.7E-06**	PAH, Total Uranium-238	16% 84%	Ingestion Dermal Inhalation External exposure	13% 13% 0% 74%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**<1**	*No COCs		Ingestion Dermal Inhalation	

Table D6.38. Summary of Risk Characterization for AOC 204 EU 6 (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)	**1.7E-06**	Uranium-238	63%	Ingestion Dermal Inhalation External exposure	25% 29% 0% 46%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.39. Summary of Risk Characterization for AOC 204 EU 7

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)	**1.3E-06**	Uranium-238	92%	Ingestion Dermal Inhalation External exposure	10% 7% 0% 82%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**1.9E-06**	Uranium-238	92%	Ingestion Dermal Inhalation External exposure	52% 4% 0% 44%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**3.6E-05**	Arsenic Uranium-238	95% 5%	Ingestion Dermal Inhalation External exposure	81% 17% 0% 2%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**7.1E-06**	Arsenic	95%	Ingestion Dermal Inhalation External exposure	81% 17% 0% 2%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**4.5E-06**	Uranium-238	91%	Ingestion Dermal Inhalation External exposure	12% 7% 0% 80%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**1.9**	Iron Manganese Vanadium	28% 55% 17%	Ingestion Dermal Inhalation	98% 0% 2%

Table D6.39. Summary of Risk Characterization for AOC 204 EU 7 (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					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.40. Summary of Risk Characterization for AOC 204 EU 8

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)	**2.0E-06**	Uranium-238	60%	Ingestion Dermal Inhalation External exposure	10% 36% 0% 53%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**2.8E-06**	PAH, Total Uranium-238	40% 60%	Ingestion Dermal Inhalation External exposure	52% 19% 0% 29%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**2.0E-05**	Arsenic PAH, Total Uranium-238	86% 6% 9%	Ingestion Dermal Inhalation External exposure	78% 18% 0% 4%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**3.9E-06**	Arsenic	85%	Ingestion Dermal Inhalation External exposure	78% 18% 0% 4%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**7.3E-06**	PAH, Total Uranium-238	45% 55%	Ingestion Dermal Inhalation External exposure	17% 34% 0% 49%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**1.5**	Cobalt Iron Vanadium	41% 37% 23%	Ingestion Dermal Inhalation	100% 0% 0%

Table D6.40. Summary of Risk Characterization for AOC 204 EU 8 (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)	**2.1E-06**	PAH, Total	71%	Ingestion Dermal Inhalation External exposure	23% 55% 0% 22%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.41. Summary of Risk Characterization for AOC 204 EU 9

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)	**3.2E-06**	PAH, Total	98%	Ingestion Dermal Inhalation External exposure	10% 88% 0% 2%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Industrial Worker (surface soil)	**5.7E-05**	PAH, Total Uranium-238	98% 2%	Ingestion Dermal Inhalation External exposure	10% 88% 0% 2%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**7.9E-05**	PAH, Total Uranium-238	98% 2%	Ingestion Dermal Inhalation External exposure	52% 47% 0% 1%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**9.6E-05**	Arsenic PAH, Total Uranium-238	17% 81% 2%	Ingestion Dermal Inhalation External exposure	57% 42% 0% 1%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**1.9E-05**	Arsenic PAH, Total	17% 81%	Ingestion Dermal Inhalation External exposure	57% 42% 0% 1%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**2.3E-04**	PAH, Total Uranium-238	98% 2%	Ingestion Dermal Inhalation External exposure	24% 75% 0% 2%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**<1**	*No COCs		Ingestion Dermal Inhalation	

Table D6.41. Summary of Risk Characterization for AOC 204 EU 9 (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-04**	PAH, Total	99%	Ingestion Dermal Inhalation External exposure	22% 78% 0% 0%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.42. Summary of Risk Characterization for AOC 204 EU 10

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)	**2.6E-06**	Uranium-238	73%	Ingestion Dermal Inhalation External exposure	10% 25% 0% 65%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**3.6E-06**	Uranium-238	73%	Ingestion Dermal Inhalation External exposure	52% 13% 0% 35%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**5.5E-06**	Cesium-137 Uranium-238	34% 48%	Ingestion Dermal Inhalation External exposure	35% 9% 0% 57%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**1.2E-06**	*No COCs		Ingestion Dermal Inhalation External exposure	32% 8% 0% 60%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**9.2E-06**	PAH, Total Uranium-238	31% 69%	Ingestion Dermal Inhalation External exposure	15% 24% 0% 61%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**1.2**	Antimony Iron Vanadium	30% 45% 24%	Ingestion Dermal Inhalation	100% 0% 0%

Table D6.42. Summary of Risk Characterization for AOC 204 EU 10 (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)	**2.2E-06**	PAH, Total	57%	Ingestion Dermal Inhalation External exposure	24% 45% 0% 31%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.43. Summary of Risk Characterization for AOC 204 EU 11

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)	**2.9E-06**	PAH, Total Uranium-238	35% 65%	Ingestion Dermal Inhalation External exposure	10% 31% 0% 58%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**4.0E-06**	PAH, Total Uranium-238	35% 65%	Ingestion Dermal Inhalation External exposure	52% 17% 0% 31%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**2.2E-05**	Arsenic PAH, Total Uranium-238	80% 8% 12%	Ingestion Dermal Inhalation External exposure	76% 18% 0% 6%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**4.3E-06**	Arsenic	80%	Ingestion Dermal Inhalation External exposure	76% 18% 0% 6%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**1.0E-05**	PAH, Total Uranium-238	39% 61%	Ingestion Dermal Inhalation External exposure	16% 30% 0% 54%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**<1**	*No COCs		Ingestion Dermal Inhalation	

Table D6.43. Summary of Risk Characterization for AOC 204 EU 11 (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)	**2.7E-06**	PAH, Total	65%	Ingestion Dermal Inhalation External exposure	23% 51% 0% 25%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.44. Summary of Risk Characterization for AOC 204 EU 12

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)	**2.7E-06**	Uranium-238	73%	Ingestion Dermal Inhalation External exposure	10% 24% 0% 66%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**3.7E-06**	Uranium-238	73%	Ingestion Dermal Inhalation External exposure	52% 13% 0% 35%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**2.5E-05**	Arsenic Cesium-137 Uranium-238	77% 8% 11%	Ingestion Dermal Inhalation External exposure	71% 16% 0% 13%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**5.1E-06**	Arsenic	76%	Ingestion Dermal Inhalation External exposure	70% 15% 0% 14%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**9.4E-06**	PAH, Total Uranium-238	30% 70%	Ingestion Dermal Inhalation External exposure	15% 23% 0% 62%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**1.2**	Iron Thallium Vanadium	45% 23% 32%	Ingestion Dermal Inhalation	100% 0% 0%

Table D6.44. Summary of Risk Characterization for AOC 204 EU 12 (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)	**2.3E-06**	PAH, Total	56%	Ingestion Dermal Inhalation External exposure	24% 44% 0% 32%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.45. Summary of Risk Characterization 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**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**1.0E-05**	PAH, Total Uranium-238	76% 24%	Ingestion Dermal Inhalation External exposure	52% 37% 0% 12%	**<1**	*No COCs		Ingestion Dermal Inhalation	
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%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**5.9E-06**	Arsenic PAH, Total	57% 26%	Ingestion Dermal Inhalation External exposure	65% 23% 0% 12%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**2.8E-05**	PAH, Total Uranium-238	79% 21%	Ingestion Dermal Inhalation External exposure	21% 60% 0% 19%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**<1**	*No COCs		Ingestion Dermal Inhalation	

Table D6.45. Summary of Risk Characterization 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					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.46. Summary of Risk Characterization for AOC 204 EU 14

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)	**5.6E-06**	Arsenic	96%	Ingestion Dermal Inhalation External exposure	32% 66% 0% 2%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Industrial Worker (surface soil)	**1.0E-04**	Arsenic PAH, Total Uranium-238	96% 1% 3%	Ingestion Dermal Inhalation External exposure	32% 66% 0% 2%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**2.8E-04**	Arsenic PAH, Total Uranium-238	98% 1% 1%	Ingestion Dermal Inhalation External exposure	82% 18% 0% 1%	**2.1**	Arsenic Iron Uranium	82% 7% 7%	Ingestion Dermal Inhalation	85% 15% 0%
Outdoor Worker (surface and subsurface soil)	**2.8E-04**	Arsenic PAH, Total Uranium-238	98% 1% 1%	Ingestion Dermal Inhalation External exposure	82% 18% 0% 1%	**2.2**	Arsenic Iron Manganese Uranium	78% 7% 5% 6%	Ingestion Dermal Inhalation	86% 14% 0%
Excavation Worker (surface and subsurface soil)	**5.5E-05**	Arsenic	98%	Ingestion Dermal Inhalation External exposure	82% 18% 0% 1%	**2.2**	Arsenic Iron Manganese Uranium	78% 7% 5% 6%	Ingestion Dermal Inhalation	86% 14% 0%
Future Adult Resident (surface soil)	**5.2E-04**	Arsenic PAH, Total Uranium-238	97% 1% 2%	Ingestion Dermal Inhalation External exposure	56% 42% 0% 1%	**1.7**	Arsenic	91%	Ingestion Dermal Inhalation	41% 59% 1%
Future Child Resident (surface soil)	See Future Adult Resident					**9.7**	Arsenic Iron Uranium Vanadium	84% 6% 6% 4%	Ingestion Dermal Inhalation	76% 24% 0%

Table D6.46. Summary of Risk Characterization for AOC 204 EU 14 (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)	**2.2E-04**	Arsenic	98%	Ingestion	54%	**<1**	*No COCs		Ingestion	
		PAH, Total	1%	Dermal	45%				Dermal	
		Uranium-238	1%	Inhalation	0%				Inhalation	
				External exposure	0%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**1.4**	Arsenic	92%	Ingestion	36%
									Dermal	64%
									Inhalation	0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.9**	Arsenic	84%	Ingestion	76%
							Iron	6%	Dermal	24%
							Uranium	6%	Inhalation	0%
							Vanadium	4%		

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.

Table D6.47. Summary of Risk Characterization for AOC 204 EU 15

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)	**8.9E-06**	Cesium-137 Uranium-238	62% 36%	Ingestion Dermal Inhalation External exposure	4% 1% 0% 95%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**8.9E-06**	Cesium-137 Uranium-238	47% 51%	Ingestion Dermal Inhalation External exposure	28% 1% 0% 71%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**1.2E-05**	PAH, Total Cesium-137 Uranium-238	25% 36% 39%	Ingestion Dermal Inhalation External exposure	34% 12% 0% 54%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**2.5E-06**	Cesium-137	41%	Ingestion Dermal Inhalation External exposure	31% 11% 0% 58%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**2.9E-05**	Cesium-137 Uranium-238	61% 37%	Ingestion Dermal Inhalation External exposure	5% 1% 0% 94%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**<1**	*No COCs		Ingestion Dermal Inhalation	

Table D6.47. Summary of Risk Characterization for AOC 204 EU 15 (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)	**4.1E-06**	Cesium-137 Uranium-238	55% 39%	Ingestion Dermal Inhalation External exposure	12% 5% 0% 83%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.48. Summary of Risk Characterization for AOC 204 EU 16

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)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**1.7E-05**	Arsenic	98%	Ingestion Dermal Inhalation External exposure	81% 19% 0% 0%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**3.3E-06**	Arsenic	98%	Ingestion Dermal Inhalation External exposure	81% 19% 0% 0%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**<1**	*No COCs		Ingestion Dermal Inhalation	

Table D6.48. Summary of Risk Characterization for AOC 204 EU 16 (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)	**4.1E-06**	Cesium-137 Uranium-238	55% 39%	Ingestion Dermal Inhalation External exposure	12% 5% 0% 83%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.49. Summary of Risk Characterization for AOC 204 EU 17

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)	**2.2E-06**	Uranium-238	69%	Ingestion Dermal Inhalation External exposure	10% 28% 0% 62%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**3.0E-06**	Uranium-238	69%	Ingestion Dermal Inhalation External exposure	52% 15% 0% 33%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**2.3E-05**	Arsenic PAH, Total Uranium-238	81% 10% 9%	Ingestion Dermal Inhalation External exposure	76% 19% 0% 4%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**4.7E-06**	Arsenic	81%	Ingestion Dermal Inhalation External exposure	76% 19% 0% 4%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**7.6E-06**	PAH, Total Uranium-238	34% 65%	Ingestion Dermal Inhalation External exposure	15% 26% 0% 58%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**<1**	*No COCs		Ingestion Dermal Inhalation	

Table D6.49. Summary of Risk Characterization for AOC 204 EU 17 (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)	**2.0E-06**	PAH, Total	61%	Ingestion Dermal Inhalation External exposure	24% 48% 0% 29%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.50. Summary of Risk Characterization 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**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**1.6E-06**	Uranium-238	93%	Ingestion Dermal Inhalation External exposure	52% 3% 0% 45%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**1.8E-06**	Uranium-238	82%	Ingestion Dermal Inhalation External exposure	52% 9% 0% 39%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**3.9E-06**	Uranium-238	92%	Ingestion Dermal Inhalation External exposure	12% 6% 0% 82%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**1.5**	Iron Uranium Vanadium	42% 32% 26%	Ingestion Dermal Inhalation	100% 0% 0%

Table D6.50. Summary of Risk Characterization 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					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.51. Summary of Risk Characterization 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**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**4.2E-06**	PAH, Total Uranium-238	47% 53%	Ingestion Dermal Inhalation External exposure	52% 23% 0% 25%	**<1**	*No COCs		Ingestion Dermal Inhalation	
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%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**5.6E-06**	Arsenic	85%	Ingestion Dermal Inhalation External exposure	78% 19% 0% 4%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**1.1E-05**	PAH, Total Uranium-238	52% 48%	Ingestion Dermal Inhalation External exposure	18% 39% 0% 43%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**<1**	*No COCs		Ingestion Dermal Inhalation	

Table D6.51. Summary of Risk Characterization 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 Dermal Inhalation External exposure	23% 60% 0% 17%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.

Table D6.52. Summary of Risk Characterization for AOC 204 EU 20

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Current Industrial Worker	**1.8E-04**	PCB, Total	8%	Ingestion	10%	**<1**	*No COCs		Ingestion	
(surface soil)		Protactinium-231	1%	Dermal	7%				Dermal	
		Uranium-234	1%	Inhalation	0%					
		Uranium-235	5%	External exposure	82%				Inhalation	
		Uranium-238	85%							
Future Industrial Worker	**3.1E-03**	PCB, Total	8%	Ingestion	10%	**2**	Uranium	100%	Ingestion	94%
(surface soil)		Cesium-137	<1%	Dermal	7%				Dermal	0%
		Protactinium-231	1%	Inhalation	0%				Inhalation	6%
		Uranium-234	1%	External exposure	82%					
		Uranium-235	5%							
		Uranium-238	85%							
Outdoor Worker	**4.4E-03**	PCB, Total	8%	Ingestion	52%	**13.4**	*No COCs		Ingestion	
(surface soil)		Americium-241	<1%	Dermal	4%				Dermal	
		Cesium-137	<1%	Inhalation	0%				Inhalation	
		Protactinium-231	1%	External exposure	44%					
		Uranium-234	3%							
		Uranium-235	3%							
		Uranium-238	85%							
Outdoor Worker	**4.4E-03**	Arsenic	1%	Ingestion	53%	**14.1**	Arsenic	1%	Ingestion	99%
(surface and subsurface		PCB, Total	8%	Dermal	4%		Cobalt	1%	Dermal	0%
soil)		Americium-241	<1%	Inhalation	0%		Iron	1%	Inhalation	1%
		Cesium-137	<1%	External exposure	43%		Manganese	1%		
		Protactinium-231	1%				Uranium	95%		
		Uranium-234	3%							
		Uranium-235	3%							
		Uranium-238	84%							
Excavation Worker	**8.8E-04**	Arsenic	1%	Ingestion	52%	**14.1**	Arsenic	1%	Ingestion	99%
(surface and subsurface		PCB, Total	8%	Dermal	4%		Cobalt	1%	Dermal	0%
soil)		Cesium-137	<1%	Inhalation	0%		Iron	1%	Inhalation	1%
		Protactinium-231	1%	External exposure	43%		Manganese	1%		
		Uranium-234	3%				Uranium	95%		
		Uranium-235	3%							
		Uranium-238	84%							

Table D6.52. Summary of Risk Characterization for AOC 204 EU 20 (Continued)

Receptor	Total ELCR	COCs	% Total ELCR	Routes of Exposure	% Total ELCR	Total HI	COCs	% Total HI	Routes of Exposure	% Total HI
Future Adult Resident (surface soil)	**1.0E-02**	PCB, Total	10%	Ingestion	12%	**5.5**	Uranium	99%	Ingestion	95%
		Americium-241	<1	Dermal	7%				Dermal	
		Cesium-137	<1	Inhalation	0%				Inhalation	5%
		Protactinium-231	1%	External exposure	80%					
		Uranium-234	1%							
		Uranium-235	5%							
		Uranium-238	84%							
Future Child Resident (surface soil)	See Future Adult Resident					**56.2**	Uranium	99%	Ingestion	100%
							Vanadium	1%	Dermal	
									Inhalation	0%
Future Adult Recreational User (surface soil)	**1.9E-03**	PCB, Total	24%	Ingestion	26%	**1.6**	Uranium	99%	Ingestion	99%
		Cesium-137	<1%	Dermal	19%				Dermal	0%
		Protactinium-231	1%	Inhalation	0%				Inhalation	1%
		Uranium-234	1%	External exposure	55%					
		Uranium-235	3%							
		Uranium-238	70%							
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**3.9**	Uranium	99%	Ingestion	99%
									Dermal	0%
									Inhalation	1%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**22.4**	Uranium	99%	Ingestion	100%
							Vanadium	1%	Dermal	0%
									Inhalation	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.

Table D6.53. Summary of Risk Characterization for AOC 204 EU 21

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)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface and subsurface soil)	**1.7E-05**	Arsenic	98%	Ingestion Dermal Inhalation External exposure	82% 18% 0% 0%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Excavation Worker (surface and subsurface soil)	**3.5E-06**	Arsenic	99%	Ingestion Dermal Inhalation External exposure	82% 18% 0% 0%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Adult Resident (surface soil)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Resident (surface soil)	See Future Adult Resident					**1.1**	Cobalt Vanadium	72% 28%	Ingestion Dermal Inhalation	100% 0% 0%

Table D6.53. Summary of Risk Characterization for AOC 204 EU 21 (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					**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**<1**	*No COCs		Ingestion Dermal Inhalation	

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.