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.