Table D8.46. Alternate Summary of Risk Characterization using KY ABS Values 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	32%	**<1**	*No COCs		Ingestion	
				Dermal	66%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	2%					
Future Industrial Worker (surface soil)	**1.0E-04**	Arsenic	96%	Ingestion	32%	**1.8**	Arsenic	33%	Ingestion	14%
		PAH, Total	1%	Dermal	66%		Nickel	9%	Dermal	86%
		Uranium-238	3%	Inhalation	0%		Vanadium	48%	Inhalation	0%
				External exposure	2%					
Outdoor Worker (surface soil)	**2.8E-04**	Arsenic	98%	Ingestion	82%	**2.9**	Arsenic	58%	Ingestion	60%
		PAH, Total	1%	Dermal	18%		Iron	6%	Dermal	39%
		Uranium-238	1%	Inhalation	0%		Nickel	5%	Inhalation	0%
				External exposure	1%		Uranium	6%		
							Vanadium	24%		
Outdoor Worker (surface and subsurface soil)	**2.8E-04**	Arsenic	98%	Ingestion	82%	**3.8**	Arsenic	44%	Ingestion	49%
		PAH, Total	1%	Dermal	18%		Iron	5%	Dermal	50%
		Uranium-238	1%	Inhalation	0%		Manganese	23%	Inhalation	0%
				External exposure	1%		Nickel	4%		
							Uranium	5%		
							Vanadium	19%		
Excavation Worker (surface and subsurface soil)	**5.5E-05**	Arsenic	98%	Ingestion	82%	**3.8**	Arsenic	44%	Ingestion	49%
				Dermal	18%		Iron	5%	Dermal	50%
				Inhalation	0%		Manganese	23%	Inhalation	0%
				External exposure	1%		Nickel	4%		
							Uranium	5%		
							Vanadium	19%		

Table D8.46. Alternate Summary of Risk Characterization using KY ABS Values 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 Resident (surface soil)	**5.2E-04**	Arsenic	97%	Ingestion	56%	**4.5**	Arsenic	34%	Ingestion	15%
		PAH, Total	1%	Dermal	42%		Iron	5%	Dermal	84%
		Uranium-238	2%	Inhalation	0%		Nickel	9%	Inhalation	0%
				External exposure	1%		Uranium	5%		
							Vanadium	47%		
Future Child Resident (surface soil)	See Future Adult Resident					**16.3**	Arsenic	50%	Ingestion	45%
							Iron	6%	Dermal	55%
							Nickel	6%	Inhalation	0%
							Uranium	6%		
							Vanadium	32%		
Future Adult Recreational User (surface soil)	**2.2E-04**	Arsenic	98%	Ingestion	54%	**1.3**	Arsenic	34%	Ingestion	16%
		PAH, Total	1%	Dermal	45%		Nickel	9%	Dermal	84%
		Uranium-238	1%	Inhalation	0%		Vanadium	47%	Inhalation	0%
				External exposure	0%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**4.0**	Arsenic	33%	Ingestion	13%
							Iron	5%	Dermal	87%
							Nickel	9%	Inhalation	0%
							Uranium	5%		
							Vanadium	48%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**6.5**	Arsenic	50%	Ingestion	45%
							Iron	6%	Dermal	55%
							Nickel	6%	Inhalation	0%
							Uranium	6%		
							Vanadium	32%		

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.