

Alberta Tier 2 Soil and Groundwater Remediation Guidelines

Summary of Changes

Text

Section 2.3.2 – Delineation

Section 2.4.4 – Relationship to Air and Water Quality

Appendix C

Section C.4 – Petroleum hydrocarbon fractions calculation boundaries

Section C.5.3.1 – Guideline calculation, clarification to source width and length relative to groundwater flow

Appendix E

Section E.1 – DUA minimum thickness

Section E.2 – Exclusion of the DUA

Section E.3 – Saline shallow groundwater

Tables

See Table 1

Table 1. Summary of Appendix A Table Changes

	Appendix A Table				
	A-6	A-7	A-8	A-9	A-11
<i>General and Inorganic Parameters</i>					
Fluoride					Aquatic life
Nitrate+Nitrite (as nitrogen)					Name change
Nitrite (as nitrogen)					Name change, Drinking water, Aquatic life
Sodium					Drinking water
<i>Metals</i>					
Arsenic					Drinking water
Cadmium					Livestock
<i>Hydrocarbons</i>					
Aliphatic C _{>21} -C ₃₄	K _{oc} , H ⁺ , D _a				
Aliphatic C _{>34}	K _{oc} , H ⁺ , D _a				
Aromatic C _{>34}	K _{oc} , H ⁺ , D _a				
Acenaphthene					Livestock, Wildlife, DTED
Acenaphthylene					Livestock, Wildlife, DTED
Fluoranthene					Livestock, Wildlife, DTED
Fluorene					Livestock, Wildlife, DTED
Naphthalene					Livestock, Wildlife, DTED
Phenanthrene	H ⁺				Livestock, Wildlife, DTED
Pyrene					Livestock, Wildlife, DTED
Benz[a]anthracene					Livestock, Wildlife, DTED
Benzo[b+j]fluoranthene					Aquatic Life, Livestock, Wildlife, DTED
Benzo[k]fluoranthene	K _{oc}				Aquatic Life, Livestock, Wildlife, DTED
Benzo[g,h,i]perylene					Aquatic Life,
Benzo[a]pyrene					Livestock, Wildlife, DTED
Chrysene					Aquatic Life, Livestock, Wildlife, DTED
Dibenz[a,h]anthracene					Aquatic Life, Livestock, Wildlife, DTED
Indeno[1,2,3-c,d]pyrene					Aquatic Life,
<i>Chlorinated Aliphatics</i>					
Trichloromethane					Drinking water

Table 1. Summary of Appendix A Table Changes

	Appendix A Table				
	A-6	A-7	A-8	A-9	A-11
<i>Chlorinated Aromatics</i>					
1,2,3-Trichlorobenzene					Drinking water
1,2,4-Trichlorobenzene					Drinking water
1,3,5-Trichlorobenzene					Drinking water
1,2,3,4-Tetrachlorobenzene					Drinking water
1,2,3,5-Tetrachlorobenzene					Drinking water
1,2,4,5-Tetrachlorobenzene					Drinking water
Pentachlorobenzene					Drinking water
2,4-Dichlorophenol		Name change			
2,4,6-Trichlorophenol		Name change			
2,3,4,6-Tetrachlorophenol		Name change			
<i>Pesticides</i>					
Atrazine and metabolites					Drinking water
DDT					Drinking water
<i>Other Organics</i>					
Bis(2-ethyl-hexyl)phthalate					Drinking water
Dibutyl phthalate					Drinking water
Diisopropanolamine			Skin AF		Drinking water, Irrigation, Livestock, DTED
Methylmethacrylate					Drinking water
MTBE					Drinking water
Sulfolane				SAF	Drinking water, Irrigation, Livestock, Wildlife, DTED