

Table App6-1: Appendix 6, Waste Acceptance, Assessment Criteria for Protection of Controlled Waters									
Determinand	Units	Trigger Level in Groundwater (GW)	Source	Tigger Level in Soil Leachate (SL)	Source	Compliance Level in GW	Source	Compliance Level in Soil Leachate	Source
pH	pH Units	>6 <9	EQS	>6 <10	EQS	>6 <9	EQS	>6 <10	EQS
Electrical Conductivity at 20 °C	µS/cm	1800	GWThr	1800	GWThr	1800	GWThr	1800	GWThr
Total Cyanide	µg/l	1	EQS	1	EQS	1	EQS	1	EQS
Sulphate as SO4	µg/l	731000	*Max conc in GW	400000	EQS	1096500	1.5 max conc.	400000.00	EQS
Chloride	mg/l	250	EQS	250	EQS	250	EQS	250	EQS
Ammonium as NH4	µg/l	170000	*Max conc in GW	1000	EQS2	255000	1.5 max conc.	255000	1.5 max conc.
Nitrate as NO3	mg/l	71	*Max conc in GW	71	*Max conc in GW	50	DWS	50	DWS
Nitrite as NO2	µg/l	1800	*Max conc in GW	1800	*Max conc in GW	2700	1.5 max conc.		1.5 max conc.
Total Phenols	µg/l	1	MRV	0.5	MRV	8	EQS	7.7	EQS
Arsenic (dissolved)	µg/l	18	UKTAG	18	UKTAG	50	EQS / DWS	10	EQS / DWS
Boron (dissolved)	µg/l	15000	*Max conc in GW	15000	*Max conc in GW	22500	1.5 max conc.	22500	1.5 max conc.
Cadmium (dissolved)	µg/l	0.87	*Max conc in GW	0.87	*Max conc in GW	5	DWS	5	DWS
Chromium (hexavalent)	µg/l	3	EQS	3.4	EQS	5	UKTAG	5	UKTAG
Chromium (III)	µg/l	2	*Max conc in GW	2.3	*Max conc in GW	4.7	EQS	4.7	EQS
Copper (dissolved)	µg/l	100	*Max conc in GW	1.7	modal conc in GW	38	PNEC	38	PNEC
Lead (dissolved)	µg/l	5	UKTAG	5	UKTAG	10	DWS	10	DWS
Mercury (dissolved) CV-AFS	ug/l	1	UKTAG	0.2	UKTAG	1	DWS	1	DWS
Nickel (dissolved)	µg/l	18	*Max conc in GW	18	*Max conc in GW	27	1.5 max conc.	27	1.5 max conc.
Vanadium (dissolved)	µg/l	18	*Max conc in GW	18	*Max conc in GW	60	EQS	60	EQS
Zinc (dissolved)	µg/l	120	*Max conc in GW	120	*Max conc in GW	180	1.5 max conc.	180	1.5 max conc.
Naphthalene	µg/l	371	*Max conc in GW	371	*Max conc in GW	555	1.5 max conc.	555	1.5 max conc.
Anthracene	µg/l	27.9	*Max conc in GW	27.9	*Max conc in GW	28	max conc in GW	28	max conc in GW
Benzo(a)pyrene	µg/l	2	*Max conc in GW	0.005	UKTAG	3	1.5 max conc.	0.01	MDL
Petroleum Hydrocarbons									
TPH-CWG - Aliphatic >C5 - C6	µg/l	15000	EQS 2	15000	EQS 2	15000	EQS 2	15000	EQS 2
TPH-CWG - Aliphatic >C6 - C8	µg/l	15000	EQS 2	15000	EQS 2	15000	EQS 2	15000	EQS 2
TPH-CWG - Aliphatic >C8 - C10	µg/l	300	EQS 2	300	EQS 2	300	EQS 2	300	EQS 2
TPH-CWG - Aliphatic >C10 - C12	µg/l	300	EQS 2	300	EQS 2	300	EQS 2	300	EQS 2
TPH-CWG - Aliphatic >C12 - C16	µg/l	300	EQS 2	300	EQS 2	300	EQS 2	300	EQS 2
TPH-CWG - Aromatic >C5 - C7	µg/l	10	EQS 2	10	EQS 2	10	EQS 2	10	EQS 2
TPH-CWG - Aromatic >C7 - C8	µg/l	700	EQS 2	700	EQS 2	700	EQS 2	700	EQS 2
TPH-CWG - Aromatic >C8 - C10	µg/l	300 / 500	EQS 2	300 / 500	EQS 2	300 / 500	EQS 2	300 / 500	EQS 2
TPH-CWG - Aromatic >C10 - C12	µg/l	90	EQS 2	90	EQS 2	90	EQS 2	90	EQS 2
TPH-CWG - Aromatic >C12 - C16	µg/l	90	EQS 2	90	EQS 2	90	EQS 2	90	EQS 2
TPH-CWG - Aromatic >C16 - C21	µg/l	90	EQS 2	90	EQS 2	90	EQS 2	90	EQS 2
TPH-CWG - Aromatic >C21 - C35	µg/l	90	EQS 2	90	EQS 2	90	EQS 2	90	EQS 2
TOTAL TPH		10	DWS	10	DWS	10	DWS	10	DWS
Benzene	µg/l	1	UKTAG	0.5	UKTAG	10	EQS	10	EQS
Toluene	µg/l	6.8	*Max conc in GW	6.8	*Max conc in GW	350	UKTAG	350	UKTAG