

APPENDIX I

Water Supply Pipe Table

Table 11. Standard Water Supply Pipe Assessment

Test Group ¹	Testing Required?	PE threshold (mg/kg)	Metal Pipes / Barrier Pipe	Laboratory Detection Limit (mg/kg)	Testing UKAS accredited Y/N	Maximum site concentration ² (mg/kg)	Locations and depths where concentrations exceed proposed pipeline threshold.
Total VOCs	Where Preliminary Risk Assessment (PRA) has identified land potentially affected by contamination	0.5	Pass	-	-	-	-
Total BTEX & MTBE		0.1	Pass	0.01	Y	< 0.01	-
Total SVOCs		2	Pass	-	-	-	-
EC5-EC10 aliphatic and aromatic hydrocarbons		2	Pass	0.001	Y	<0.006	-
EC10-EC16 aliphatic and aromatic hydrocarbons		10	Pass	10	Y	<10	-
EC16-EC40 aliphatic and aromatic hydrocarbons		500	Pass	10	Y	32	-
Phenols		2	Pass	2	Y	< 3	-
Creosols and chlorinated phenols		2	Pass	-	-	-	-
Ethers		0.5	Pass	-	-	-	-
Nitrobenzene		0.5	Pass	-	-	-	-
Ketones	Only where identified	0.5	Pass	-	-	-	-
Aldehydes		0.5	Pass	-	-	-	-
Amines		Fail	Pass	-	-	-	-
Corrosive	Conductivity Redox pH	Pass	Note ³	N/A	Y	12.49	-

¹ Tests Groups as per Appendix G of UKWIR Guidance.

² State if liquid free product is present in soil or groundwater.

³ Threshold: For wrapped steel, corrosive if pH<7 and conductivity >400 µs/cm. For wrapped ductile iron corrosive if pH<5, Eh not neutral and conductivity >400 µs/cm. For copper, corrosive if pH<5 or >8 and Eh positive.