

## Appendix B

Company	United Utilities	Average sludge quality to agricultural land			
Calendar Year	2025	Metal	mg/kg dry solids	Nutrient	% dry solids
Sewage Treatment Works (STW) number	n/a	Cadmium (Cd)	1.5	Nitrogen (N)	4.55
Sludge Treatment Centres (STC) number	11	Chromium (Cr)	50	Phosphorus (P)	2.49
Authorisation	***	Copper (Cu)	190	Phosphate (4)	2.40
Designation	Bioreources and Green Energy Director	Lead (Pb)	98		
Authorised signature		Mercury (Hg)	0.7		
Date submitted to WQ process	***	Nickel (Ni)	35		Hectares (Ha)
		Zinc (Zn)	714	Agricultural land used	21,986

Company	United Utilities	Average sludge quality to agricultural land			
Calendar Year	2024	Metal	mg/kg dry solids	Nutrient	% dry solids
Sewage Treatment Works (STW) number	n/a	Cadmium (Cd)	1.6	Nitrogen (N)	4.64
Sludge Treatment Centres (STC) number	11	Chromium (Cr)	57	Phosphorus (P)	2.58
Authorisation	***	Copper (Cu)	198	Phosphate (4)	2.43
Designation	Bioreources and Green Energy Director	Lead (Pb)	122		
Authorised signature		Mercury (Hg)	0.9		
Date submitted to WQ process	***	Nickel (Ni)	41		Hectares (Ha)
		Zinc (Zn)	789	Agricultural land used	21,604

Company	United Utilities	Average sludge quality to agricultural land			
Calendar Year	2023	Metal	mg/kg dry solids	Nutrient	% dry solids
Sewage Treatment Works (STW) number	n/a	Cadmium (Cd)	1.7	Nitrogen (N)	4.49
Sludge Treatment Centres (STC) number	11	Chromium (Cr)	53	Phosphorus (P)	2.67
Authorisation	***	Copper (Cu)	220	Phosphate (4)	2.71
Designation	Bioreources and Green Energy Director	Lead (Pb)	131		
Authorised signature		Mercury (Hg)	0.9		
Date submitted to WQ process	***	Nickel (Ni)	45		Hectares (Ha)
		Zinc (Zn)	862	Agricultural land used	19,581

Company	United Utilities	Average sludge quality to agricultural land			
Calendar Year	2022	<i>Metal</i>	<i>mg/kg dry solids</i>	<i>Nutrient</i>	<i>% dry solids</i>
Sewage Treatment Works (STW) number	n/a	Cadmium (Cd)	1.6	Nitrogen (N)	4.28
Sludge Treatment Centres (STC) number	11	Chromium (Cr)	51	Phosphorus (P)	2.50
Authorisation	***	Copper (Cu)	221	Phosphate (4)	2.53
Designation	Bioreources and Green Energy Director	Lead (Pb)	120		
Authorised signature		Mercury (Hg)	0.9		
Date submitted to WQ process	30/03/2026	Nickel (Ni)	44		<i>Hectares (Ha)</i>
		Zinc (Zn)	830	Agricultural land used	18,386

Company	United Utilities	Average sludge quality to agricultural land			
Calendar Year	2021	<i>Metal</i>	<i>mg/kg dry solids</i>	<i>Nutrient</i>	<i>% dry solids</i>
Sewage Treatment Works (STW) number	n/a	Cadmium (Cd)	1.8	Nitrogen (N)	4.10
Sludge Treatment Centres (STC) number	11	Chromium (Cr)	54	Phosphorus (P)	2.49
Authorisation	***	Copper (Cu)	224	Phosphate (4)	2.42
Designation	Bioreources and Green Energy Director	Lead (Pb)	131		
Authorised signature		Mercury (Hg)	0.8		
Date submitted to WQ process	***	Nickel (Ni)	45		<i>Hectares (Ha)</i>
		Zinc (Zn)	840	Agricultural land used	19,177