

Data summary tables for United Utilities Water Plc (UUT)

These tables contain a summary of results of monitoring undertaken by the water company in 2015 and submitted to the Drinking Water Inspectorate. The tables are published by the Inspectorate as part of the Chief Inspector's Report entitled *Drinking water 2015*.

The tables and full content of the Drinking Water Inspectorate's annual report are available on the Inspectorate's website at <http://www.dwi.defra.gov.uk>

Notes relating to the interpretation of the tables:

Columns on the following tables that are headed '1 percentile representing a minimum' and '99 percentile representing a maximum' contain figures for the 1 percentile and 99 percentile sample results respectively except where less than 100 samples were taken, when the figures are the actual maximum and minimum results.

The symbol < indicates that the result was less than the limit of detection of the analytical method used.

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Drinking Water Inspectorate
Area 7e
9 Millbank
c/o Nobel House
17 Smith Square
London
SW1P 3JR

Enquiries: 0300 068 6400

Site Summary Data for United Utilities Water Plc

Report Date Range: For the whole year 2015

Table UUT 1: Quality of water leaving service treatment works - European Standards

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of works with failures
Nitrite (Works)	A013B	0.1 mg NO ₂ /l	665	0	0.001498	0.002036	0
Totals:			665	0			

Table UUT 2: Quality of water leaving service treatment works - National Standards

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of works with failures
Coliform Bacteria	C001	0 number/100 ml	15,224	9	0	0	9
E coli	C002	0 number/100 ml	15,224	0	0	0	0
Totals:			30,448	9			

Table UUT 3: Quality of water leaving service treatment works - Additional Monitoring Requirements

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	15,224	-n/a	0	1
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	15,224	-n/a	0	2
Residual Disinfectant - Free	C009	No abnormal change	15,227	-n/a	0.31	1.43
Residual Disinfectant - Total	C010	No abnormal change	15,227	-n/a	0.3528	1.5
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(15,227)	-n/a	0	0.24
Turbidity (Indicator)	A002A	1 nephelometric turbidity units	15,227	1	< 0.07	0.3172
Totals:			76,129	1		

*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.

Table UUT 4: Quality of water leaving service reservoirs - National Standards

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of reservoirs failing standard
Coliform Bacteria	C001	0 number/100 ml	18,337	9	0	0	0
E coli	C002	0 number/100 ml	18,337	0	0	0	0
Totals:			36,674	9			

Table UUT 5: Quality of water leaving service reservoirs - Additional Monitoring Requirements

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	18,337	-n/a	0	5
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	18,338	-n/a	0	2
Residual Disinfectant - Free	C009	No abnormal change	18,339	-n/a	0.19	1.08
Residual Disinfectant - Total	C010	No abnormal change	18,338	-n/a	0.25	1.14
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(18,338)	-n/a	0	0.17
Totals:			73,352	0		

*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.

Table UUT 6: Quality of water leaving bulk supply points - European Standards

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of supply points with failures
1,2 Dichloroethane	F001	3 µg/l	662	0	< 0.138	< 0.138	0
Benzene	F002	1 µg/l	687	0	< 0.0471	< 0.0471	0
Boron	D005A	1 mg B/l	670	0	0.002368	0.062006	0
Cyanide	B003	50 µg CN/l	663	0	< 0.698	2.1844	0
Fluoride	A027	1.5 mg F/l	661	0	< 0.01	1.0138	0
Mercury	B005	1 µg Hg/l	661	0	< 0.01	0.1168	0
Pesticides - Total Substances	B010	0.5 µg/l	849	0	0	0.071	0
Pesticides 2,4,5-T	P076	0.1 µg/l	25	0	< 0.01	0.01	0
Pesticides 2,4,-Db	P082	0.1 µg/l	58	0	< 0.01	< 0.01	0
Pesticides 2,4-D	P020	0.1 µg/l	180	0	< 0.01	0.01	0
Pesticides Asulam	P133	0.1 µg/l	24	0	< 0.009	< 0.009	0
Pesticides Atrazine	P004	0.1 µg/l	4	0	< 0.01	< 0.01	0
Pesticides Bromoxynil	P008	0.1 µg/l	16	0	< 0.01	< 0.01	0
Pesticides Carbetamide	P010	0.1 µg/l	41	0	< 0.01	< 0.01	0
Pesticides Chlortoluron	P014	0.1 µg/l	72	0	< 0.01	< 0.01	0
Pesticides Clopyralid	P018	0.1 µg/l	118	0	< 0.01	0.0805	0
Pesticides Diazinon	P024	0.1 µg/l	49	0	< 0.01	< 0.01	0
Pesticides Dicamba	P025	0.1 µg/l	90	0	< 0.01	< 0.0147	0
Pesticides Dichlorprop	P026	0.1 µg/l	97	0	< 0.01	< 0.01	0
Pesticides Dieldrin	P028	0.03 µg/l	32	0	0.002	< 0.003	0
Pesticides Diuron	P032	0.1 µg/l	48	0	< 0.01	< 0.01	0
Pesticides Fluroxypyr	P040	0.1 µg/l	107	0	< 0.01	0.0192	0
Pesticides Glyphosate	P042	0.1 µg/l	216	0	< 0.0084	0.027444	0
Pesticides Isoproturon	P048	0.1 µg/l	40	0	< 0.01	< 0.01	0
Pesticides Linuron	P051	0.1 µg/l	48	0	< 0.01	< 0.01	0
Pesticides MCPA	P054	0.1 µg/l	239	0	< 0.01	0.02	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	115	0	< 0.01	0.0184	0
Pesticides Metaldehyde	P226	0.1 µg/l	56	0	0.009	0.017	0
Pesticides Metazachlor	P203	0.1 µg/l	49	0	< 0.01	< 0.01	0
Pesticides Trichlopyr	P131	0.1 µg/l	188	0	< 0.01	0.0111	0
Totals:			6,765	0			

Table UUT 8: Quality of water leaving bulk supply points - Additional Monitoring Requirements

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Chloride (Indicator)	D002A	250 mg Cl/l	672	0	5.5473	105.81
Gross Alpha Activity	F004	0.1 Bq/l	14	4	< 0.02	0.239
Gross Beta Activity	F005	1 Bq/l	14	0	< 0.02	0.15
Sulphate (Indicator)	A007	250 mg SO ₄ /l	659	0	2.422	115.6
Total organic carbon (indicator)	A017	No abnormal change	659	-n/a	< 0.21	2.13
Tritium (Indicator)	F006	100 Bq/l	7	0	< 5	< 5
Totals:			2,025	4		

Table UUT 9: Quality of water at consumer's tap (zones) - European Standards

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones failing standard
1,2 Dichloroethane	F001	3 µg/l	2	0	< 0.138	< 0.138	0
Antimony	B008A	5 µg Sb/l	1,751	0	< 0.1	0.2	0
Arsenic	B001A	10 µg As/l	1,751	0	0.06	2.1588	0
Benzene	F002	1 µg/l	2	0	< 0.0471	< 0.0471	0
Benzo (a) Pyrene	D007	0.01 µg/l	1,998	1	< 0.001	< 0.002	1
Boron	D005A	1 mg B/l	2	0	0.0108	0.0216	0
Bromate	F003	10 µg BrO3/l	1,752	0	< 0.091	2.3694	0
Cadmium	B002	5 µg Cd/l	1,751	0	< 0.02	0.07	0
Chromium	B004	50 µg Cr/l	1,751	0	< 0.04	0.66	0
Copper	A024A	2 mg Cu/l	1,752	0	0.000853	0.16446	0
Cyanide	B003	50 µg CN/l	2	0	< 0.698	1.4	0
E coli	C002	0 number/100 ml	18,340	1	0	0	1
Enterococci	C003	0 number/100 ml	1,768	1	0	0	1
Fluoride	A027	1.5 mg F/l	45	0	0.02	1.03	0
Lead (>10 µg/l)	B007B	10 µg Pb/l	1,752	5	< 0.05	4.0988	5
Mercury	B005	1 µg Hg/l	2	0	< 0.018	< 0.018	0
Nickel	B006A	20 µg Ni/l	1,752	1	< 0.15	5.0947	1
Nitrate	A012	50 mg NO3/l	1,755	0	< 0.859	23.932	0
Nitrate/Nitrite Formula	A013C	1 mg NO2/l	1,756	0	0.011	0.47858	0
Nitrite (Consumers tap)	A013A	0.5 mg NO2/l	1,755	0	0.0013	0.0026	0
Pesticides - Total Substances	B010	0.5 µg/l	1	0	0	0	0
Pesticides Aldrin	P002	0.03 µg/l	1	0	< 0.002	< 0.002	0
Pesticides Dieldrin	P028	0.03 µg/l	1	0	< 0.003	< 0.003	0
Pesticides Heptachlor	P043	0.03 µg/l	1	0	< 0.001	< 0.001	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	1	0	< 0.002	< 0.002	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	1,815	0	0	0	0
Selenium	B009	10 µg Se/l	1,752	0	< 0.05	0.5447	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	1,854	0	0	0.48545	0
Total Trihalomethanes	D011	100 µg/l	1,809	0	0.6084	52.27	0
Totals:			48,674	9			

Table UUT 10: Quality of water at consumer's tap (zones) - National Standards

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones failing standard
Aluminium	A021	200 µg Al/l	6,900	3	< 2.45	42.399	3
Colour	A001	20 mg/l Pt/Co scale	6,970	0	< 0.39	2.2558	0
Iron	A022	200 µg Fe/l	6,901	15	< 2.15	81.992	14
Manganese	A023	50 µg Mn/l	6,900	6	< 0.21	6.4199	6
Organoleptic Odour	A003	0 Dilution number	4,876	17	0	0	17
Organoleptic Taste	A004	0 Dilution number	4,875	20	0	0	20
Sodium	A009	200 mg Na/l	1,767	0	3.77	44.828	0
Tetrachloromethane	D008	3 µg/l	1,854	0	0.02	0.08	0
Turbidity	A002	4 nephelometric turbidity units	6,970	1	< 0.07	0.32	1
Totals:			48,013	62			

Table UUT 11: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium (Indicator)	A014	0.5 mg NH4/l	4,048	0	0.0064	0.0167
Chloride (Indicator)	D002A	250 mg Cl/l	2	0	9.99	23.2
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	6,893	5	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	18,340	28	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	6,956	-n/a	0	16
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	6,955	-n/a	0	8
Conductivity (Indicator)	D001	2500 µS/cm	3,514	0	52	610
Gross Alpha Activity	F004	0.1 Bq/l	4	0	< 0.02	< 0.02
Gross Beta Activity	F005	1 Bq/l	4	0	< 0.02	0.12
Hydrogen ion (pH)	A006	6.5 - 9.5 pH Value	6,963	0	6.89	7.87
Residual Disinfectant - Free	C009	No abnormal change	18,407	-n/a	0.12	1.04
Residual Disinfectant - Total	C010	No abnormal change	18,408	-n/a	0.19	1.11
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(18,407)	-n/a	0	0.24
Sulphate (Indicator)	A007	250 mg SO4/l	2	0	6.95	48.4
Total organic carbon (indicator)	A017	No abnormal change	2	-n/a	0.52	1
Tritium (Indicator)	F006	100 Bq/l	2	0	< 5	< 5
Totals:			90,500	33		

*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.