

Viewing Site Summary Data for Northumbrian, Essex and Suffolk Water

Report Date Range: For the whole year 2020

Table NES 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 (Total)	A013B	0.1 mg NO2/l	3,257	0	< 0.0035	< 0.0058	0
<b>Totals:</b>			<b>3,257</b>	<b>0</b>			

Table NES 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
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	10,114	1	0	0	1
Total Coliforms (Confirmed)	C001	0 number/100 ml	10,114	4	0	0	4
<b>Totals:</b>			<b>20,228</b>	<b>5</b>			

Table NES 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 (Colony Counts)	C007	No abnormal change	10,093	-n/a	0	6
Residual Disinfectant - Free	C009	No abnormal change	6,392	-n/a	0.27	1.13
Residual Disinfectant - Total	C010	No abnormal change	10,115	-n/a	0.37	1.28
Turbidity - Indicator	A002A	1 NTU	10,118	0	0.049	< 0.25
<b>Totals:</b>			<b>36,718</b>	<b>0</b>		

**Table NES 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
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	15,540	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	15,539	13	0	0	0
<b>Totals:</b>			<b>31,079</b>	<b>13</b>			

**Table NES 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 22øc (Colony Counts)	C007	No abnormal change	15,521	-n/a	0	196
Residual Disinfectant - Free	C009	No abnormal change	10,139	-n/a <	0.05	0.93
Residual Disinfectant - Total	C010	No abnormal change	15,536	-n/a	0.09	1.01
<b>Totals:</b>			<b>41,196</b>	<b>0</b>		

Table NES 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 (Total)	F001	3 µg/l	366	0	< 0.079	< 0.09	0
Benzene (Total)	F002	1 µg/l	366	0	< 0.041	< 0.08	0
Boron	D005A	1 mg B/l	76	0	< 0.012	0.073	0
Cyanide (Total)	B003	50 µg CN/l	369	0	< 5.5	7.89	0
Fluoride (Total)	A027	1.5 mg F/l	76	0	0.17	0.46	0
Mercury (Total)	B005	1 µg Hg/l	367	0	< 0.022	0.03924	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	366	0	0	0.11098	0
Pesticides 2,4-D	P020	0.1 µg/l	367	0	< 0.0036	0.005764	0
Pesticides 2,4-DB	P082	0.1 µg/l	76	0	< 0.012	< 0.012	0
Pesticides 2,4,5-T	P076	0.1 µg/l	76	0	< 0.0044	< 0.0044	0
Pesticides Aldrin	P002	0.03 µg/l	369	0	< 0.0025	< 0.0025	0
Pesticides Aminomethylphosphonic acid	P273	0.1 µg/l	362	0	< 0.0093	< 0.011	0
Pesticides Asulam	P133	0.1 µg/l	365	0	< 0.017	< 0.017	0
Pesticides Atrazine	P004	0.1 µg/l	76	0	< 0.0082	< 0.0082	0
Pesticides Benazolin (Total)	P138	0.1 µg/l	185	0	< 0.01	< 0.013	0
Pesticides Bentazone	P006	0.1 µg/l	367	0	< 0.0025	0.006632	0
Pesticides Carbetamide	P010	0.1 µg/l	367	0	< 0.0083	< 0.0083	0
Pesticides Chloridazon	P162	0.1 µg/l	76	0	< 0.0048	< 0.0048	0
Pesticides Chlormequat	P163	0.1 µg/l	289	0	< 0.02	< 0.02	0
Pesticides Chlorothalonil	P015	0.1 µg/l	76	0	< 0.0071	< 0.0071	0
Pesticides Chlortoluron	P014	0.1 µg/l	367	0	< 0.0031	< 0.0031	0
Pesticides Clopyralid	P018	0.1 µg/l	367	0	< 0.013	0.04316	0
Pesticides Cypermethrin	P094	0.1 µg/l	291	0	< 0.016	< 0.016	0
Pesticides Diazinon	P024	0.1 µg/l	291	0	< 0.0094	< 0.0094	0
Pesticides Dicamba	P025	0.1 µg/l	76	0	< 0.017	< 0.017	0
Pesticides Dichlorprop	P026	0.1 µg/l	76	0	< 0.0041	< 0.0041	0
Pesticides Dieldrin	P028	0.03 µg/l	368	0	< 0.0019	< 0.0019	0
Pesticides Diflufenican	P157	0.1 µg/l	367	0	< 0.0086	< 0.0086	0
Pesticides Diuron	P032	0.1 µg/l	367	0	< 0.0055	< 0.0055	0
Pesticides Ethofumersate	P221	0.1 µg/l	367	0	< 0.007	< 0.007	0
Pesticides Fenpropidin	P168	0.1 µg/l	76	0	< 0.012	< 0.012	0
Pesticides Fenpropimorph	P037	0.1 µg/l	367	0	< 0.0089	< 0.0089	0
Pesticides Flufenacet	P230	0.1 µg/l	76	0	< 0.0052	0.012	0
Pesticides Fluroxypyr	P040	0.1 µg/l	367	0	< 0.018	< 0.018	0
Pesticides Glyphosate	P042	0.1 µg/l	364	0	< 0.0079	< 0.0084	0
Pesticides Heptachlor Epoxide)	P043	0.03 µg/l	368	0	< 0.0026	< 0.0026	0
Pesticides Hexachlorobenzene	P044	0.03 µg/l	368	0	0	0	0
Pesticides Isoproturon	P045	0.1 µg/l	76	0	< 0.0065	< 0.0065	0
Pesticides Lenacil	P048	0.1 µg/l	367	0	< 0.0025	< 0.0025	0
Pesticides Lenacil	P109	0.1 µg/l	76	0	< 0.0057	< 0.0057	0

Pesticides Linuron	P051	0.1 µg/l	76	0	< 0.0034	< 0.0034	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	367	0	< 0.0019	0.01432	0
Pesticides MCPB	P055	0.1 µg/l	367	0	< 0.014	< 0.014	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	367	1	< 0.0041	0.01058	1
Pesticides Metaldehyde	P226	0.1 µg/l	367	0	< 0.021	0.04532	0
Pesticides Metamitron	P194	0.1 µg/l	367	0	< 0.0074	< 0.0074	0
Pesticides Metazachlor	P203	0.1 µg/l	367	0	< 0.01	< 0.01	0
Pesticides Oxamyl	P263	0.1 µg/l	76	0	< 0.0023	< 0.023	0
Pesticides Pendimethalin	P118	0.1 µg/l	367	0	< 0.0082	< 0.0082	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	76	0	< 0.0062	0.012	0
Pesticides Picloram (Total)	P122	0.1 µg/l	367	0	< 0.007	< 0.012	0
Pesticides Propyzamide	P071	0.1 µg/l	367	1	< 0.0072	0.04632	1
Pesticides Quinmerac	P244	0.1 µg/l	366	0	< 0.0052	0.03066	0
Pesticides Tebuconazole	P177	0.1 µg/l	76	0	< 0.0039	< 0.0039	0
Pesticides Terbutryn	P077	0.1 µg/l	76	0	< 0.0073	< 0.0073	0
Pesticides Triclopyr	P131	0.1 µg/l	367	0	< 0.012	< 0.012	0
Radon	F031	100 Bq/l	20	0	< 10	28	0
by Calculation)	D009B	10 µg/l	366	0	0	< 0.52	0
<b>Totals:</b>			<b>15,281</b>	<b>2</b>			

**Table NES 7: Quality of water leaving bulk supply points - 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 supply points with failures
Tetrachloromethane (Total)	D008	3 µg/l	366	0	< 0.08	< 0.081	0
<b>Totals:</b>			<b>366</b>	<b>0</b>			

**Table NES 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	D002A	250 mg Cl/l	76	0	55	95
Gross Alpha	F004	0.1 Bq/l	24	0	< 0.02	0.084
Gross Beta	F005	1 Bq/l	24	0	< 0.054	0.234
Sulphate	A007	250 mg SO <sub>4</sub> /l	76	0	50	110
Total Organic Carbon	A017	No abnormal change	364	-n/a	0.2365	4.1
Tritium	F006	100 Bq/l	22	0	< 5.6	8
<b>Totals:</b>			<b>586</b>	<b>0</b>		

Table NES 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 (Total)	F001	3 µg/l	148	0	< 0.079	< 0.09	0
Antimony	B008A	5 µg Sb/l	956	0	< 0.16	0.66	0
Arsenic (Total)	B001A	10 µg As/l	958	0	< 0.046	1.341	0
Benzene (Total)	F002	1 µg/l	148	0	< 0.041	< 0.08	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	940	0	< 0.0019	< 0.0019	0
Boron	D005A	1 mg B/l	904	0	< 0.012	0.14	0
Bromate	F003	10 µg BrO3/l	1,005	0	< 0.99	2.7	0
Cadmium (Total)	B002	5 µg Cd/l	960	0	< 0.018	0.036	0
Chromium (Total)	B004	50 µg Cr/l	1,091	0	< 0.17	0.3708	0
Copper (Total)	A024A	2 mg Cu/l	565	0	< 0.0014	0.34	0
Cyanide (Total)	B003	50 µg CN/l	144	0	< 5.5	32.65	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	12,985	4	0	0	4
Enterococci (Confirmed)	C003	0 number/100 ml	3,027	1	0	0	1
Fluoride (Fluoridated)	A027A	1.2 mg F/l	623	342	< 0.06	1.1	23
Fluoride (Total)	A027	1.5 mg F/l	2,297	0	< 0.06	1	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	567	5	< 0.065	10.96	5
Mercury (Total)	B005	1 µg Hg/l	146	0	< 0.022	0.03353	0
Nickel (Total)	B006A	20 µg Ni/l	565	0	< 0.0723	11.34	0
Nitrate (Total)	A012	50 mg NO3/l	3,621	0	< 0.91	41	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO2/l	4,113	2	< 0.0035	0.2886	2
Nitrite/Nitrate formula	A013C	1 mg/l	3,551	0	< 0.019	< 0.84	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	164	0	0	0.126315	0
Pesticides 2,4-D	P020	0.1 µg/l	163	0	< 0.0036	< 0.003744	0
Pesticides 2,4-DB	P082	0.1 µg/l	162	0	< 0.012	< 0.012	0
Pesticides 2,4,5-T	P076	0.1 µg/l	162	0	< 0.0044	< 0.0044	0
Pesticides Aldrin	P002	0.03 µg/l	145	0	< 0.0025	< 0.0025	0
Pesticides Aminomethylphosphonic acid	P273	0.1 µg/l	137	0	< 0.0093	< 0.058094	0
Pesticides Asulam	P133	0.1 µg/l	150	0	< 0.017	< 0.017	0
Pesticides Atrazine	P004	0.1 µg/l	150	0	< 0.0082	< 0.0082	0
Pesticides Benazolin (Total)	P138	0.1 µg/l	1	0	< 0.013	< 0.013	0
Pesticides Bentazone	P006	0.1 µg/l	163	0	< 0.0025	0.01136	0
Pesticides Carbetamide	P010	0.1 µg/l	162	0	< 0.0083	< 0.0083	0
Pesticides Chloridazon	P162	0.1 µg/l	162	0	< 0.0048	0.006366	0
Pesticides Chlormequat	P163	0.1 µg/l	1	0	< 0.02	< 0.02	0
Pesticides Chlorothalonil	P015	0.1 µg/l	146	0	< 0.0071	0.007653	0
Pesticides Chlortoluron	P014	0.1 µg/l	162	0	< 0.0031	0.003574	0
Pesticides Clopyralid	P018	0.1 µg/l	160	0	< 0.013	0.0457	0
Pesticides Cypermethrin	P094	0.1 µg/l	1	0	< 0.016	< 0.016	0
Pesticides Diazinon	P024	0.1 µg/l	1	0	< 0.0094	< 0.0094	0
Pesticides Dicamba	P025	0.1 µg/l	162	0	< 0.017	< 0.017	0

Pesticides Dichlorprop	P026	0.1 µg/l	162	0	<	0.0041	<	0.00447	0
Pesticides Dieldrin	P028	0.03 µg/l	145	0	<	0.0019	<	0.0019	0
Pesticides Diflufenican	P157	0.1 µg/l	151	0	<	0.0086	<	0.0086	0
Pesticides Diuron	P032	0.1 µg/l	162	0	<	0.0055	<	0.0055	0
Pesticides Ethofumersate	P221	0.1 µg/l	162	0	<	0.007	<	0.007	0
Pesticides Fenpropidin	P168	0.1 µg/l	149	0	<	0.012	<	0.012	0
Pesticides Fenpropimorph	P037	0.1 µg/l	151	0	<	0.0089	<	0.0089	0
Pesticides Flufenacet	P230	0.1 µg/l	167	0	<	0.0052		0.008444	0
Pesticides Fluroxypyr	P040	0.1 µg/l	163	0	<	0.018	<	0.018	0
Pesticides Glyphosate	P042	0.1 µg/l	138	0	<	0.0079	<	0.060616	0
Pesticides Heptachlor	P043	0.03 µg/l	145	0	<	0.0026	<	0.0026	0
Epoxide)	P044	0.03 µg/l	141	0		0		0	0
Pesticides Hexachlorobenzene	P045	0.1 µg/l	152	0	<	0.0065	<	0.0065	0
Pesticides Isoproturon	P048	0.1 µg/l	162	0	<	0.0025		0.004348	0
Pesticides Lenacil	P109	0.1 µg/l	162	0	<	0.0057		0.01537	0
Pesticides Linuron	P051	0.1 µg/l	161	0	<	0.0034	<	0.0034	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	163	0	<	0.0019	<	0.00208	0
Pesticides MCPB	P055	0.1 µg/l	163	0	<	0.014	<	0.014	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	163	0	<	0.0041		0.005292	0
Pesticides Metaldehyde	P226	0.1 µg/l	162	0	<	0.021		0.04696	0
Pesticides Metamitron	P194	0.1 µg/l	162	0	<	0.0074	<	0.0074	0
Pesticides Metazachlor	P203	0.1 µg/l	150	0	<	0.01	<	0.01	0
Pesticides Oxamyl	P263	0.1 µg/l	149	0	<	0.0023	<	0.023	0
Pesticides Pendimethalin	P118	0.1 µg/l	150	0	<	0.0082	<	0.0082	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	162	0	<	0.0062	<	0.0062	0
Pesticides Picloram (Total)	P122	0.1 µg/l	163	0	<	0.007	<	0.012	0
Pesticides Propyzamide	P071	0.1 µg/l	163	0	<	0.0072		0.025	0
Pesticides Quinmerac	P244	0.1 µg/l	150	0	<	0.0052	<	0.01196	0
Pesticides Tebuconazole	P177	0.1 µg/l	162	0	<	0.0039	<	0.006897	0
Pesticides Terbutryn	P077	0.1 µg/l	149	0	<	0.0073	<	0.0073	0
Pesticides Triclopyr	P131	0.1 µg/l	163	0	<	0.012	<	0.012	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	941	0		0		0	0
Selenium (Total)	B009	10 µg Se/l	956	0	<	0.83		1.343	0
by Calculation)	D009B	10 µg/l	148	0		0	<	0.52	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	1,488	0		0		60.11	0
<b>Totals:</b>			<b>50,048</b>			<b>354</b>			

Table NES 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 (Total)	A021	200 µg Al/l	5,391	1	< 14	73	1
Colour	A001	20 mg/l Pt/Co	5,688	0	< 0.81	3.5	0
Iron (Total)	A022	200 µg Fe/l	5,534	5	< 2.3	73.65	5

Manganese (Total)	A023	50 µg Mn/l	5,679	6	<	0.36		11		4
Odour	A003	0 Dilution number at 25°C	2,777	9		0		0		9
Sodium (Total)	A009	200 mg Na/l	1,043	1		2.944		94		1
Taste (Taste Quant)	A004	0 Dilution number at 25°C	2,777	3		0		0		3
Tetrachloromethane (Total)	D008	3 µg/l	151	0	<	0.08		<	0.081	0
Turbidity	A002	4 NTU	7,531	0		0.057		0.37		0
<b>Totals:</b>			<b>36,571</b>	<b>25</b>						

Table NES 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 (Total)	A014	0.5 mg NH4/l	4,828	0	<	0.014	0.3
Chloride	D002A	250 mg Cl/l	2,945	0		5.746	100
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	C004A	0 number/100 ml	4,713	2		0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	12,984	12		0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	C007	No abnormal change	7,990	-n/a		0	54
Conductivity (Electrical Conductivity)	D001	2500 µS/cm at 20°C	5,048	0		120	1000
Gross Alpha	F004	0.1 Bq/l	7	0	<	0.02	0.062
Gross Beta	F005	1 Bq/l	7	0		0.133	0.234
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	5,836	0		6.9	8.18
Residual Disinfectant - Free	C009	No abnormal change	8,306	-n/a	<	0.05	1.1093
Residual Disinfectant - Total	C010	No abnormal change	12,970	-n/a		0.1	1.28
Sulphate	A007	250 mg SO4/l	3,236	0		4.237	220
Total Organic Carbon	A017	No abnormal change	152	-n/a		0.8883	4.294
<b>Totals:</b>			<b>69,022</b>	<b>14</b>			