

Data Summary Tables for Sutton and East Surrey Water (SES)

These tables contain a summary of results of monitoring undertaken by the water company in 2007 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 2007'.

The tables and full content of the Drinking Water Inspectorate's annual report are available on the Inspectorate's website at <http://www.dwi.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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Data Summary (Q4) for SUTTON and EAST SURREY WATER PLC

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	A013B	0.1 mg NO ₂ /l	2165	0	<0.01	<0.01	0
TOTAL	-	-	2165	0	-	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	C001	0 number/100 ml	2165	0	0	0	0
Cryptosporidium	C111	Oocyst concentration / 10l	365	0	-	-	0
<i>E. coli</i>	C002	0 number/100 ml	2165	0	0	0	0
TOTAL	-	-	4695	0	-	-	-

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

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	2165	N/A	0	3
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	2160	N/A	0	3
Residual Disinfectant - Total	C010	No abnormal change	2165	N/A	0.19	1.29
Turbidity	A002A	1 NTU	2165	1	<0.07	0.27
TOTAL	-	-	8655	1	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	C001	0 number/100 ml	1664	1	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	1664	0	0	0	0
TOTAL	-	-	3328	1	-	-	-

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

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	1664	N/A	0	>2000
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	1657	N/A	0	7
Residual Disinfectant - Total	C010	No abnormal change	1664	N/A	<0.04	0.8735
TOTAL	-	-	4985	0	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Boron	D005A	1 mg B/l	63	0	<0.005	0.081	0
Bromate	F003	10 µg BrO ₃ /l	63	0	<0.8	1.1	0
Cyanide	B003	50 µg CN/l	63	0	<0.4	4.4	0
Fluoride	A027	1.5 mg F/l	63	0	<0.06	0.4	0
Mercury	B005	1 µg Hg/l	63	0	<0.12	<0.12	0
Pesticides (2,4-D)	P020	0.1 µg/l	63	0	<0.004	0.008	0
Pesticides (Aldrin)	P002	0.03 µg/l	63	0	<0.001	<0.002	0
Pesticides (Atrazine)	P004	0.1 µg/l	63	0	<0.012	0.061	0
Pesticides (Carbendazim)	P150	0.1 µg/l	63	0	<0.01	<0.01	0
Pesticides (Chlormequat)	P163	0.1 µg/l	63	0	<0.004	<0.004	0
Pesticides (Chlorothalonil)	P015	0.1 µg/l	63	0	<0.001	<0.002	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	63	0	<0.006	0.036	0
Pesticides (Dieldrin)	P028	0.03 µg/l	63	0	<0.003	<0.003	0
Pesticides (Diuron)	P032	0.1 µg/l	63	0	<0.003	<0.003	0
Pesticides (Fenpropimorph)	P037	0.1 µg/l	63	0	<0.005	<0.005	0
Pesticides (Flutriafol)	P039	0.1 µg/l	63	0	<0.009	<0.009	0
Pesticides (Glyphosate)	P042	0.1 µg/l	63	0	<0.008	<0.008	0
Pesticides (Heptachlor)	P043	0.03 µg/l	63	0	<0.001	<0.002	0
Pesticides (Heptachlor epoxide)	P044	0.03 µg/l	63	0	<0.001	0.01	0
Pesticides (Isoproturon)	P048	0.1 µg/l	63	0	<0.006	0.044	0
Pesticides (MCPP(Mecoprop))	P053	0.1 µg/l	63	1	<0.002	0.12	1
Pesticides (Methabenzthiazuron)	P167	0.1 µg/l	63	0	<0.003	<0.003	0
Pesticides (Pendimethalin)	P118	0.1 µg/l	63	0	<0.004	<0.008	0
Pesticides (Propyzamide)	P071	0.1 µg/l	4	1	0.069	0.107	1
Pesticides (Simazine)	P073	0.1 µg/l	63	0	<0.003	0.064	0
Pesticides (Tebuconazole)	P177	0.1 µg/l	63	0	<0.004	<0.004	0
Pesticides (Trichlopyr)	P131	0.1 µg/l	63	0	<0.006	<0.006	0
Pesticides (Trifluralin)	P081	0.1 µg/l	63	0	<0.001	<0.002	0
Pesticides - Total Substances	B010	0.5 µg/l	63	0	0	0.21	0
TOTAL	-	-	1768	2	-	-	-

Table SES 7: Quality of water leaving bulk supply points - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Chloride	D002A	250 mg Cl/l	63	0	17.3	47.8
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	307	0	0	0
Conductivity	D001	2500 µS/cm	658	0	310.59	556.41
Radioactivity - Gross Alpha	F004	0.1 Bq/l	8	0	<0.027	0.059
Radioactivity - Gross Beta	F005	1 Bq/l	8	0	0.1	0.206
Sulphate	A007	250 mg SO ₄ /l	63	0	13.8	85.6
Total Organic Carbon (TOC)	A017	No abnormal change	63	N/A	<0.3	5.24
TOTAL	-	-	1170	0	-	-

Table SES 8: Quality of water at consumer's tap (zones) - European Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
1,2 Dichloroethane	F001	3 µg/l	160	0	<0.17	<0.17	0
Antimony	B008A	5 µg Sb/l	160	0	<0.1	0.5378	0
Arsenic	B001A	10 µg As/l	160	0	<0.3	0.878	0
Benzene	F002	1 µg/l	160	0	<0.02	<0.02	0
Benzo (a) Pyrene	D007	0.01 µg/l	160	0	<0.001	0.002	0
Cadmium	B002	5 µg Cd/l	160	0	<0.1	<0.1	0
Chromium	B004	50 µg Cr/l	160	0	<0.3	1.395	0
Copper	A024A	2 mg Cu/l	160	0	<0.01	0.2103	0
<i>E. coli</i>	C002	0 number/100 ml	1657	0	0	0	0
Enterococci	C003	0 number/100 ml	160	0	0	0	0
Lead	B007A	25 µg Pb/l	160	0	<0.4	18.628	0
Nickel	B006A	20 µg Ni/l	160	0	<0.7	6.929	0
Nitrate	A012	50 mg NO ₃ /l	644	0	5.645	39.91	0
Nitrite	A013A	0.5 mg NO ₂ /l	644	0	<0.01	0.26775	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	644	0	0.1	0.8	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	160	0	0	0.003	0
Selenium	B009	10 µg Se/l	160	0	<0.3	1.54935	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	160	0	0	3.078	0
Trihalomethanes (THMs)	D011	100 µg/l	160	0	0	74.56	0
TOTAL	-	-	5989	0	-	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Aluminium	A021	200 µg Al/l	380	0	<12	90.13	0
Colour	A001	20 mg/l Pt/Co scale	644	0	<0.6	4.6	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	644	0	7.3	8	0
Iron	A022	200 µg Fe/l	512	2	<5	121.31	2
Manganese	A023	50 µg Mn/l	380	0	<0.5	6.114	0
Organoleptic Odour	A003	Dilution no. 3 at 25°C	644	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	644	0	0	0	0
Sodium	A009	200 mg Na/l	160	0	8.494	27.539	0
Tetrachloromethane	D008	3 µg/l	160	0	<0.08	<0.08	0
Turbidity	A002	4 NTUs	644	0	<0.07	0.8455	0
TOTAL	-	-	4812	2	-	-	-

Table SES 10: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Ammonium	A014	0.5 mg NH ₄ /l	644	0	<0.01	0.16
Coliform Bacteria	C001A	0 number/100 ml	1657	0	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	644	N/A	0	233
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	644	N/A	0	82
Hydrogen ion (pH)	A006A	9.5 pH Value	644	0	7.3	8
Residual Disinfectant - Total	C010	No abnormal change	1657	N/A	<0.04	0.76
TOTAL	-	-	5890	0	-	-