

Data summary tables for Scottish and Southern Energy (SSE)

These tables contain a summary of results of monitoring undertaken by the water company in 2017 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 2017*.

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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Site Summary Data for Scottish and Southern Energy

Report Date Range: For the whole year 2017

Table SSE 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	84	0	< 0.07	< 0.1	0
Antimony	B008A	5 µg Sb/l	84	0	< 0.033	0.537	0
Arsenic (Total)	B001A	10 µg As/l	84	0	0.19	1.94	0
Benzene (Total)	F002	1 µg/l	84	0	< 0.02	< 0.07	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	84	0	< 0.00022	0.0007	0
Boron	D005A	1 mg B/l	84	1	< 0.0149	0.0884	0
Bromate	F003	10 µg BrO3/l	84	0	< 0.1	4.1	0
Cadmium (Total)	B002	5 µg Cd/l	84	0	< 0.006	0.034	0
Chromium (Total)	B004	50 µg Cr/l	84	0	0.24	0.76	0
Copper (Total)	A024A	2 mg Cu/l	84	0	< 0.0006	0.567	0
Cyanide (Total)	B003	50 µg CN/l	84	0	< 0.7	1.8	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	252	0	0	0	0
Enterococci (Confirmed)	C003	0 number/100 ml	84	1	0	1	1
Fluoride (Total)	A027	1.5 mg F/l	84	0	0.02	0.26	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	84	0	< 0.03	0.64	0
Mercury (Total)	B005	1 µg Hg/l	84	0	< 0.02	< 0.05	0
Nickel (Total)	B006A	20 µg Ni/l	84	1	0.14	45.6	1
Nitrate (Total)	A012	50 mg NO3/l	84	0	2.18	46	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO2/l	84	0	< 0.002	0.164	0
Nitrite/Nitrate formula	A013C	1 mg NO2/l	84	0	0.04	0.92	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	84	0	0	0.155	0
Pesticides 1,1,1-trichloro-2,2-ethane pp'-DDT	P125	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides 1,1-dichloro-2,2-bis-ethane pp'-DDE	P124	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides 2 4-D	P020	0.1 µg/l	77	0	< 0.003	0.011	0
Pesticides 2 4-DB	P082	0.1 µg/l	84	0	< 0.004	< 0.007	0
Pesticides 2,3,6-Tba	P074	0.1 µg/l	84	0	< 0.002	< 0.006	0
Pesticides 2,4,5-T	P076	0.1 µg/l	84	0	< 0.003	< 0.009	0
Pesticides Aldrin	P002	0.03 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Alpha-HCH	P003	0.1 µg/l	4	0	< 0.001	< 0.002	0
Pesticides Asulam	P133	0.1 µg/l	82	0	< 0.002	0.005	0
Pesticides Atrazine	P004	0.1 µg/l	84	0	< 0.001	0.026	0
Pesticides Benazolin (Total)	P138	0.1 µg/l	84	0	< 0.003	< 0.005	0
Pesticides Bentazone	P006	0.1 µg/l	84	0	< 0.001	0.003	0
Pesticides Bromacil	P086	0.1 µg/l	84	0	< 0.003	< 0.015	0
Pesticides Bromoxynil	P008	0.1 µg/l	84	0	< 0.003	< 0.006	0
Pesticides Carbetamide	P010	0.1 µg/l	84	0	< 0.002	0.011	0

Table SSE 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
Pesticides Chlorbufam	P088	0.1 µg/l	84	0	< 0.002	< 0.035	0
Pesticides Chloridazon	P162	0.1 µg/l	82	0	< 0.002	< 0.003	0
Pesticides Chlorothalonil	P015	0.1 µg/l	4	0	< 0.001	< 0.002	0
Pesticides Chlorpropham	P016	0.1 µg/l	84	0	< 0.003	< 0.015	0
Pesticides Chlorpyrifos (Chlorpyriphos Ethyl)	P017	0.1 µg/l	84	0	< 0.002	< 0.01	0
Pesticides Chlorpyriphos Methyl	P019	0.1 µg/l	84	0	< 0.002	< 0.01	0
Pesticides Chlortoluron	P014	0.1 µg/l	82	0	< 0.002	< 0.003	0
Pesticides Clopyralid	P018	0.1 µg/l	84	0	< 0.003	0.038	0
Pesticides Cyanazine	P092	0.1 µg/l	84	0	< 0.001	< 0.01	0
Pesticides Cyfluthrin	P093	0.1 µg/l	4	0	< 0.001	< 0.002	0
Pesticides Cypermethrin	P094	0.1 µg/l	4	0	< 0.001	< 0.002	0
Pesticides Cyproconazole	P207	0.1 µg/l	84	0	< 0.001	< 0.01	0
Pesticides Delta-HCH	P022	0.1 µg/l	3	0	< 0.001	< 0.002	0
Pesticides Deltamethrin	P095	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Diazinon	P024	0.1 µg/l	84	0	< 0.001	< 0.005	0
Pesticides Dicamba	P025	0.1 µg/l	84	0	< 0.003	< 0.006	0
Pesticides Dichlobenil	P098	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Dichlorodiphenyldichlorethane pp'-DDD TDE	P123	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Dichlorodiphenyldichloroethyle op'-DDE	P115	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Dichlorprop	P026	0.1 µg/l	84	0	< 0.003	< 0.005	0
Pesticides Dieldrin	P028	0.03 µg/l	4	0	< 0.001	< 0.002	0
Pesticides Diflufenican	P157	0.1 µg/l	84	0	< 0.002	< 0.01	0
Pesticides Diuron	P032	0.1 µg/l	84	0	< 0.002	< 0.015	0
Pesticides Endrin	P034	0.1 µg/l	4	0	< 0.001	< 0.002	0
Pesticides Epoxyconazole	P217	0.1 µg/l	84	0	< 0.001	< 0.01	0
Pesticides EPTC	P035	0.1 µg/l	84	0	< 0.003	< 0.02	0
Pesticides Fenoprop	P105	0.1 µg/l	84	0	< 0.003	< 0.006	0
Pesticides Fenvalerate	P158	0.1 µg/l	4	0	< 0.001	< 0.002	0
Pesticides Fluroxypyr	P040	0.1 µg/l	84	0	< 0.003	0.006	0
Pesticides Flusilazole	P159	0.1 µg/l	84	0	< 0.001	< 0.01	0
Pesticides Flutriafol	P039	0.1 µg/l	84	0	< 0.001	< 0.01	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Heptachlor	P043	0.03 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Heptachlor Epoxide - Total (Trans, CIS) (Heptachlor Epoxide)	P044	0.03 µg/l	4	0	< 0.001	< 0.002	0
Pesticides Hexachlorobenzene	P045	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Imazapyr	P160	0.1 µg/l	84	0	< 0.002	0.003	0
Pesticides Ioxynil	P049	0.1 µg/l	84	0	< 0.003	< 0.003	0
Pesticides Isoproturon	P048	0.1 µg/l	84	0	< 0.002	< 0.01	0
Pesticides Kresoxim-methyl	P218	0.1 µg/l	84	0	< 0.004	< 0.02	0
Pesticides Linuron	P051	0.1 µg/l	84	0	< 0.002	< 0.035	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	84	0	< 0.003	0.013	0
Pesticides MCPB	P055	0.1 µg/l	84	0	< 0.003	< 0.006	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	84	0	< 0.002	0.005	0
Pesticides Metaldehyde	P226	0.1 µg/l	84	0	< 0.005	0.075	0

Table SSE 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
Pesticides Metazachlor	P203	0.1 µg/l	84	0	< 0.002	< 0.01	0
Pesticides Methoxychlor	P057	0.1 µg/l	3	0	< 0.002	< 0.002	0
Pesticides Monuron	P113	0.1 µg/l	84	0	< 0.002	< 0.01	0
Pesticides op'-DDD (TDE)	P114	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Oxadixyl	P154	0.1 µg/l	84	0	< 0.003	< 0.025	0
Pesticides Pendimethalin	P118	0.1 µg/l	84	0	< 0.002	< 0.015	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	84	0	< 0.005	< 0.007	0
Pesticides Permethrin-cis	P120	0.1 µg/l	4	0	< 0.001	< 0.002	0
Pesticides Permethrin-trans	P121	0.1 µg/l	4	0	< 0.001	< 0.002	0
Pesticides Propachlor	P126	0.1 µg/l	84	0	< 0.001	< 0.01	0
Pesticides Propham	P067	0.1 µg/l	84	0	< 0.002	< 0.01	0
Pesticides Propiconazole	P068	0.1 µg/l	84	0	< 0.002	< 0.015	0
Pesticides Propyzamide	P071	0.1 µg/l	84	0	< 0.002	< 0.025	0
Pesticides Quinmerac	P244	0.1 µg/l	82	0	< 0.001	0.015	0
Pesticides Simazine	P073	0.1 µg/l	84	0	< 0.001	0.007	0
Pesticides Tecnazene	P130	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Tri-allate	P079	0.1 µg/l	84	0	< 0.003	< 0.02	0
Pesticides Trichloro-2(2chlorophenyl)2eth op'-DDT	P116	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Triclopyr	P131	0.1 µg/l	84	0	< 0.003	0.01	0
Pesticides Trietazine	P132	0.1 µg/l	84	0	< 0.001	< 0.01	0
Pesticides Trifluralin	P081	0.1 µg/l	4	0	< 0.001	< 0.001	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	84	0	0	0.005	0
Selenium (Total)	B009	10 µg Se/l	84	0	< 0.31	3.83	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	84	0	0	1.19	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	84	0	3.97	48.73	0
Totals:			6,891	2			

Table SSE 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	84	0	< 0.9	44.4	0
Colour	A001	20 mg/l Pt/Co scale	84	0	< 0.5	2.7	0
Iron (Total)	A022	200 µg Fe/l	84	0	< 0.7	38.7	0
Manganese (Total)	A023	50 µg Mn/l	84	0	< 0.14	< 2.6	0
Odour	A003	0 Dilution number	84	0	0	0	0
Sodium (Total)	A009	200 mg Na/l	84	0	5.62	143	0
Taste (Taste Quant)	A004	0 Dilution number	84	1	0	1	1
Tetrachloromethane (Total)	D008	3 µg/l	84	0	< 0.02	< 0.14	0
Turbidity	A002	4 nephelometric turbidity units	84	0	0.07	0.77	0
Totals:			756	1			

Table SSE 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 NH ₄ /l	84	0	< 0.004	0.198
Chloride	D002A	250 mg Cl/l	84	0	10.1	76.8
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	C004A	0 number/100 ml	84	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	252	0	0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	C007	No abnormal change	84	-n/a	0	213
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	84	0	128	749
Gross Alpha	F004	0.1 Bq/l	8	0	< 0.021	< 0.035
Gross Beta	F005	1 Bq/l	8	0	0.04	0.164
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	84	0	6.93	7.93
Residual Disinfectant - Total	C010	No abnormal change	251	-n/a	0.13	0.9596
Sulphate	A007	250 mg SO ₄ /l	84	0	12.3	120
Total Organic Carbon	A017	No abnormal change	84	-n/a	0.4	3.4
Tritium	F006	100 Bq/l	4	0	< 5.6	< 10
Totals:			1,195	0		