

Data summary tables for Hartlepool Water (HPL)

These tables contain a summary of results of monitoring undertaken by the water company in 2016 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 2016*.

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 Hartlepool Water Plc

Report Date Range: For the whole year 2016

Table HPL 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	12	0	< 0.009	< 0.009	0
Totals:			12	0			

Table HPL 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	119	0	0	0	0
E coli	C002	0 number/100 ml	119	0	0	0	0
Totals:			238	0			

Table HPL 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	118	-n/a	0	7
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	119	-n/a	0	4
Residual Disinfectant - Free	C009	No abnormal change	121	-n/a	< 0.0852	0.7078
Residual Disinfectant - Total	C010	No abnormal change	121	-n/a	0.261	0.8636
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(121)	-n/a	0.002	0.368
Turbidity (Indicator)	A002A	1 nephelometric turbidity units	421	1	0.0222	0.1656
Totals:			900	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 HPL 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	312	0	0	0	0
E coli	C002	0 number/100 ml	312	0	0	0	0
Totals:			624	0			

Table HPL 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	315	-n/a	0	32
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	315	-n/a	0	36
Residual Disinfectant - Free	C009	No abnormal change	312	-n/a	0.1952	0.5087
Residual Disinfectant - Total	C010	No abnormal change	312	-n/a	0.2878	0.7509
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(312)	-n/a	0.01	0.31
Totals:			1,254	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 HPL 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
Bromate	F003	10 µg BrO3/l	12	0	< 0.35	2.49	0
Radon	F031	100 Bq/l	12	0	8.5	10.7	0
Totals:			24	0			

Table HPL 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)
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	12	0	0	0
Gross Alpha Activity	F004	0.1 Bq/l	9	0	< 0.04	0.07
Gross Beta Activity	F005	1 Bq/l	9	0	0.066	0.12
Totals:			30	0		

Table HPL 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	12	0	< 0.025	< 0.127	0
Antimony	B008A	5 µg Sb/l	12	0	< 0.13	< 0.13	0
Arsenic	B001A	10 µg As/l	12	0	< 0.112	< 0.112	0
Benzene	F002	1 µg/l	12	0	< 0.013	< 0.06	0
Benzo (a) Pyrene	D007	0.01 µg/l	14	0	< 0.001	< 0.001	0
Boron	D005A	1 mg B/l	12	0	< 0.068	< 0.068	0
Cadmium	B002	5 µg Cd/l	12	0	< 0.007	0.03	0
Chromium	B004	50 µg Cr/l	12	0	< 0.673	< 0.673	0
Copper	A024A	2 mg Cu/l	12	0	0.0092	0.0698	0
Cyanide	B003	50 µg CN/l	12	0	< 1	< 1	0
E coli	C002	0 number/100 ml	238	0	0	0	0
Enterococci	C003	0 number/100 ml	12	0	0	0	0
Fluoride	A027	1.5 mg F/l	12	0	1.215	1.335	0
Lead (>10 µg/l)	B007B	10 µg Pb/l	12	0	< 0.16	1.47	0
Mercury	B005	1 µg Hg/l	12	0	< 0.029	< 0.029	0
Nickel	B006A	20 µg Ni/l	12	0	< 0.186	1.27	0
Nitrate	A012	50 mg NO3/l	12	0	< 3.763	14.8	0
Nitrate/Nitrite Formula	A013C	1 mg NO2/l	12	0	0	0.296	0
Nitrite (Consumers tap)	A013A	0.5 mg NO2/l	12	0	< 0.009	< 0.009	0
Pesticides - Total Substances	B010	0.5 µg/l	24	0	0	0.015	0
Pesticides 2,4,5-T	P076	0.1 µg/l	12	0	< 0.004	< 0.004	0
Pesticides 2,4,-Db	P082	0.1 µg/l	12	0	< 0.004	< 0.004	0
Pesticides 2,4-D	P020	0.1 µg/l	12	0	< 0.005	< 0.005	0
Pesticides Aldrin	P002	0.03 µg/l	15	0	< 0.001	< 0.003	0
Pesticides Benazolin	P138	0.1 µg/l	12	0	< 0.005	< 0.005	0
Pesticides Bentazone	P006	0.1 µg/l	12	0	< 0.004	0.015	0
Pesticides Bromoxynil	P008	0.1 µg/l	12	0	< 0.005	0.008	0
Pesticides Chlorfenvinphos	P013	0.1 µg/l	12	0	< 0.003	< 0.006	0
Pesticides Chloridazon	P162	0.1 µg/l	12	0	< 0.004	< 0.004	0
Pesticides Chlorothalonil	P015	0.1 µg/l	13	0	< 0.01	< 0.01	0
Pesticides Chlorpyrifos	P017	0.1 µg/l	14	0	< 0.003	< 0.005	0
Pesticides Clopyralid	P018	0.1 µg/l	12	0	< 0.004	< 0.004	0
Pesticides Diazinon	P024	0.1 µg/l	14	0	< 0.002	< 0.005	0
Pesticides Dicamba	P025	0.1 µg/l	16	0	< 0.003	< 0.012	0
Pesticides Dichlorprop	P026	0.1 µg/l	12	0	< 0.002	< 0.002	0
Pesticides Dichlorvos	P027	0.1 µg/l	13	0	< 0.002	< 0.006	0

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 Dieldrin	P028	0.03 µg/l	15	0	< 0.001	< 0.003	0
Pesticides Diflufenican	P157	0.1 µg/l	15	0	< 0.003	< 0.004	0
Pesticides Fenpropidin	P168	0.1 µg/l	12	0	< 0.003	< 0.005	0
Pesticides Fenpropimorph	P037	0.1 µg/l	13	0	< 0.003	< 0.005	0
Pesticides Fluroxypyr	P040	0.1 µg/l	12	0	< 0.003	0.004	0
Pesticides Heptachlor	P043	0.03 µg/l	15	0	< 0.001	< 0.005	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	15	0	0	< 0.001	0
Pesticides Lenacil	P109	0.1 µg/l	14	0	< 0.002	< 0.004	0
Pesticides Malathion	P052	0.1 µg/l	14	0	< 0.004	< 0.006	0
Pesticides MCPA	P054	0.1 µg/l	12	0	< 0.004	< 0.004	0
Pesticides MCPB	P055	0.1 µg/l	12	0	< 0.003	< 0.003	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	12	0	< 0.003	0.006	0
Pesticides Metalaxyl	P209	0.1 µg/l	12	0	< 0.003	< 0.005	0
Pesticides Metaldehyde	P226	0.1 µg/l	12	0	< 0.003	0.007	0
Pesticides Metazachlor	P203	0.1 µg/l	12	0	< 0.003	< 0.003	0
Pesticides Metribuzin	P152	0.1 µg/l	12	0	< 0.002	< 0.004	0
Pesticides Pendimethalin	P118	0.1 µg/l	14	0	< 0.003	< 0.004	0
Pesticides Picloram	P122	0.1 µg/l	12	0	< 0.003	< 0.003	0
Pesticides Pirimicarb	P064	0.1 µg/l	12	0	< 0.002	< 0.004	0
Pesticides Trichlopyr	P131	0.1 µg/l	12	0	< 0.006	< 0.006	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	14	0	0	0.008	0
Selenium	B009	10 µg Se/l	12	0	< 0.35	0.47	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	12	0	0	0	0
Total Trihalomethanes	D011	100 µg/l	12	0	2.1	8.8	0
Totals:			994	0			

Table HPL 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	12	0	< 14	< 14	0
Colour	A001	20 mg/l Pt/Co scale	41	0	< 0.34	0.9	0
Iron	A022	200 µg Fe/l	12	0	< 7	34	0
Manganese	A023	50 µg Mn/l	12	0	< 1	12.9	0
Organoleptic Odour	A003	0 Dilution number	79	0	0	0	0
Organoleptic Taste	A004	0 Dilution number	79	0	0	0	0
Sodium	A009	200 mg Na/l	12	0	39.4	54	0
Tetrachloromethane	D008	3 µg/l	12	0	< 0.025	< 0.094	0
Turbidity	A002	4 nephelometric turbidity units	86	0	0.05	2.82	0
Totals:			345	0			

Table HPL 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 NH ₄ /l	42	0	< 0.042	0.042
Chloride (Indicator)	D002A	250 mg Cl/l	12	0	41.6	81.4
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	238	0	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	81	-n/a	0	11
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	81	-n/a	0	225
Conductivity (Indicator)	D001	2500 µS/cm	41	0	820	1131
Hydrogen ion (pH)	A006	6.5 - 9.5 pH Value	41	0	7.23	7.67
Residual Disinfectant - Free	C009	No abnormal change	243	-n/a	< 0.05	0.6712
Residual Disinfectant - Total	C010	No abnormal change	243	-n/a	0.0632	0.7356
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(243)	-n/a	0	0.213
Sulphate (Indicator)	A007	250 mg SO ₄ /l	12	0	99	229
Total organic carbon (indicator)	A017	No abnormal change	12	-n/a	0.37	1.09
Totals:			1,046	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'.