

Data summary tables for Hartlepool Water (HPL)

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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Site Summary Data for Hartlepool Water Plc

Report Date Range: For the whole year 2015

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	< 0.0011	< 0.0011	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	116	0	0	0	0
E coli	C002	0 number/100 ml	116	0	0	0	0
Totals:			232	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	116	-n/a	0	0
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	116	-n/a	0	34
Residual Disinfectant - Free	C009	No abnormal change	116	-n/a	0.3817	0.7
Turbidity (Indicator)	A002A	1 nephelometric turbidity units	156	0	< 0.08	0.5018
Totals:			504	0		

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	312	-n/a	0	7
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	312	-n/a	0	14
Residual Disinfectant - Free	C009	No abnormal change	312	-n/a	0.2013	0.5887
Totals:			936	0		

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 BrO ₃ /l	12	0	< 0.3	4	0
Totals:			12	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	8	0	0.031	0.092
Gross Beta Activity	F005	1 Bq/l	8	0	0.068	0.13
Totals:			28	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	< 0.025	0
Antimony	B008A	5 µg Sb/l	12	0	< 0.033	0.095	0
Arsenic	B001A	10 µg As/l	12	0	0.058	0.62	0
Benzene	F002	1 µg/l	12	0	< 0.013	0.018	0
Benzo (a) Pyrene	D007	0.01 µg/l	12	0	< 0.00056	< 0.00056	0
Boron	D005A	1 mg B/l	12	0	0.025	0.052	0
Cadmium	B002	5 µg Cd/l	12	0	< 0.0024	0.026	0
Chromium	B004	50 µg Cr/l	12	0	< 0.025	0.077	0
Copper	A024A	2 mg Cu/l	12	0	0.0045	0.64	0
Cyanide	B003	50 µg CN/l	12	0	< 0.3	1.3	0
E coli	C002	0 number/100 ml	228	0	0	0	0
Enterococci	C003	0 number/100 ml	12	0	0	0	0
Fluoride	A027	1.5 mg F/l	12	1	1	1.6	1
Lead (>10 µg/l)	B007B	10 µg Pb/l	12	0	0.024	1.6	0
Mercury	B005	1 µg Hg/l	12	0	< 0.013	0.051	0
Nickel	B006A	20 µg Ni/l	12	0	0.037	1	0
Nitrate	A012	50 mg NO ₃ /l	12	0	5	11	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	12	0	0.1	< 0.22	0
Nitrite (Consumers tap)	A013A	0.5 mg NO ₂ /l	12	0	< 0.0011	0.031	0
Pesticides - Total Substances	B010	0.5 µg/l	16	0	0	0.0229	0
Pesticides 2,4,5-T	P076	0.1 µg/l	12	0	< 0.0036	< 0.0036	0
Pesticides 2,4,-Db	P082	0.1 µg/l	12	0	< 0.0034	< 0.0034	0
Pesticides 2,4-D	P020	0.1 µg/l	12	0	< 0.0038	< 0.0038	0
Pesticides Alachlor	P240	0.1 µg/l	12	0	< 0.0069	< 0.0069	0
Pesticides Aldrin	P002	0.03 µg/l	12	0	< 0.0022	< 0.0022	0
Pesticides Alpha-HCH	P003	0.1 µg/l	12	0	< 0.0073	< 0.0073	0
Pesticides Benazolin	P138	0.1 µg/l	12	0	< 0.003	0.0142	0
Pesticides Bentazone	P006	0.1 µg/l	12	0	< 0.0023	0.0029	0
Pesticides Beta-HCH	P007	0.1 µg/l	12	0	< 0.0068	< 0.0068	0
Pesticides Bromoxynil	P008	0.1 µg/l	12	0	< 0.0068	< 0.0068	0
Pesticides Chlorfenvinphos	P013	0.1 µg/l	12	0	< 0.0058	< 0.0058	0
Pesticides Chloridazon	P162	0.1 µg/l	12	0	< 0.0056	< 0.0056	0
Pesticides Chlorothalonil	P015	0.1 µg/l	12	0	< 0.0098	< 0.0098	0
Pesticides Chlorpyrifos	P017	0.1 µg/l	12	0	< 0.0044	< 0.0044	0
Pesticides Chlorthal	P175	0.1 µg/l	12	0	< 0.0059	< 0.0059	0
Pesticides Clopyralid	P018	0.1 µg/l	12	0	< 0.0057	< 0.0057	0

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

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 Diazinon	P024	0.1 µg/l	12	0	< 0.0043	< 0.0043	0
Pesticides Dicamba	P025	0.1 µg/l	12	0	< 0.012	< 0.012	0
Pesticides Dichlobenil	P098	0.1 µg/l	12	0	< 0.0038	< 0.0038	0
Pesticides Dichlorprop	P026	0.1 µg/l	12	0	< 0.003	< 0.003	0
Pesticides Dichlorvos	P027	0.1 µg/l	12	0	< 0.0058	< 0.0058	0
Pesticides Dieldrin	P028	0.03 µg/l	12	0	< 0.0024	< 0.0024	0
Pesticides Diflufenican	P157	0.1 µg/l	12	0	< 0.0038	0.0051	0
Pesticides Dimethoate	P029	0.1 µg/l	12	0	< 0.0047	< 0.0047	0
Pesticides Endosulfan A (alpha-Endosulfan)	P101	0.1 µg/l	12	0	< 0.0068	< 0.0068	0
Pesticides Endosulfan B (beta-Endosulfan)	P102	0.1 µg/l	12	0	< 0.0078	< 0.0078	0
Pesticides Endrin	P034	0.1 µg/l	12	0	< 0.0059	< 0.0059	0
Pesticides Ethofumersate	P221	0.1 µg/l	12	0	< 0.013	< 0.013	0
Pesticides Fenoprop	P105	0.1 µg/l	12	0	< 0.0069	< 0.0069	0
Pesticides Fenpropidin	P168	0.1 µg/l	12	0	< 0.0047	< 0.0047	0
Pesticides Fenpropimorph	P037	0.1 µg/l	12	0	< 0.0044	< 0.0044	0
Pesticides Fluroxypyr	P040	0.1 µg/l	12	0	< 0.0052	< 0.0052	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	12	0	< 0.0044	< 0.0044	0
Pesticides Heptachlor	P043	0.03 µg/l	12	0	< 0.0048	< 0.0048	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	12	0	0	0	0
Pesticides Hexachlorobenzene	P045	0.1 µg/l	12	0	< 0.0056	< 0.0056	0
Pesticides Ioxynil	P049	0.1 µg/l	12	0	< 0.0046	< 0.0046	0
Pesticides Isodrin	P047	0.1 µg/l	12	0	< 0.0056	< 0.0056	0
Pesticides Lenacil	P109	0.1 µg/l	12	0	< 0.0035	< 0.0035	0
Pesticides Malathion	P052	0.1 µg/l	12	0	< 0.006	< 0.006	0
Pesticides MCPA	P054	0.1 µg/l	12	0	< 0.0042	0.0099	0
Pesticides MCPB	P055	0.1 µg/l	12	0	< 0.0042	< 0.0042	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	12	0	< 0.0032	< 0.0032	0
Pesticides Metalaxyl	P209	0.1 µg/l	12	0	< 0.0049	< 0.0049	0
Pesticides Metaldehyde	P226	0.1 µg/l	12	0	< 0.0061	< 0.0061	0
Pesticides Metazachlor	P203	0.1 µg/l	12	0	< 0.0044	< 0.0044	0
Pesticides Metribuzin	P152	0.1 µg/l	12	0	< 0.0035	< 0.0035	0
Pesticides Pendimethalin	P118	0.1 µg/l	12	0	< 0.0038	0.0069	0
Pesticides Pentachlorobenzene	P241	0.1 µg/l	12	0	< 0.0027	< 0.0027	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	12	0	< 0.018	< 0.018	0
Pesticides Phorate	P061	0.1 µg/l	12	0	< 0.0042	< 0.0042	0
Pesticides Picloram	P122	0.1 µg/l	12	0	< 0.011	< 0.011	0
Pesticides Pirimicarb	P064	0.1 µg/l	12	0	< 0.0033	0.0048	0
Pesticides pp-DDT	P125	0.1 µg/l	12	0	< 0.0028	< 0.0028	0
Pesticides Propachlor	P126	0.1 µg/l	12	0	< 0.0041	< 0.0041	0
Pesticides Propetamphos	P069	0.1 µg/l	12	0	< 0.0041	< 0.0041	0
Pesticides Propyzamide	P071	0.1 µg/l	12	0	< 0.0097	< 0.0097	0

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

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 Tecnazene	P130	0.1 µg/l	12	0	< 0.0036	< 0.0036	0
Pesticides Trichlopyr	P131	0.1 µg/l	12	0	< 0.0038	0.0083	0
Pesticides Trifluralin	P081	0.1 µg/l	12	0	< 0.0032	< 0.0032	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	12	0	0	0.00126	0
Selenium	B009	10 µg Se/l	12	0	0.19	0.59	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	12	0	0	0.3	0
Total Trihalomethanes	D011	100 µg/l	12	0	2.6	10.4	0
Totals:			1,228	1			

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	< 6.6	< 6.6	0
Colour	A001	20 mg/l Pt/Co scale	40	0	< 1	4.2	0
Iron	A022	200 µg Fe/l	12	0	< 1.2	18	0
Manganese	A023	50 µg Mn/l	12	0	< 0.18	4	0
Organoleptic Odour	A003	0 Dilution number	40	0	0	0	0
Organoleptic Taste	A004	0 Dilution number	52	1	0	1	1
Sodium	A009	200 mg Na/l	12	0	38	60	0
Tetrachloromethane	D008	3 µg/l	12	0	< 0.025	< 0.025	0
Turbidity	A002	4 nephelometric turbidity units	40	0	< 0.08	1.1	0
Totals:			232	1			

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 NH4/l	40	0	< 0.007	0.018
Chloride (Indicator)	D002A	250 mg Cl/l	12	0	39	86
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	228	0	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	80	-n/a	0	33
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	80	-n/a	0	34
Conductivity (Indicator)	D001	2500 µS/cm	40	0	810	1200
Hydrogen ion (pH)	A006	6.5 - 9.5 pH Value	40	0	7.2	7.8
Residual Disinfectant - Free	C009	No abnormal change	228	-n/a	0.0619	0.61
Sulphate (Indicator)	A007	250 mg SO4/l	12	0	100	250
Total organic carbon (indicator)	A017	No abnormal change	12	-n/a	< 0.11	0.5
Totals:			772	0		