

Data Summary Tables for Hartlepool Water (HPL)

These tables contain a summary of results of monitoring undertaken by the water company in 2006 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 2006'.

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 2006 for HARTLEPOOL WATER PLC

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

Parameter	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	A013B	0.1 mg NO ₂ /l	219	0	<0.0093	0.02334	0
TOTAL	-	-	219	0	-	-	-

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

Parameter	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	218	0	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	218	0	0	0	0
TOTAL	-	-	436	0	-	-	-

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

Indicator Parameter	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	C007	No abnormal change	220	n/a	0	10
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	220	n/a	0	4
Residual Disinfectant - Free	C009	No abnormal change	220	n/a	0.3842	0.6637
Turbidity	A002A	1 NTU	220	0	<0.11	0.4379
TOTAL	-	-	880	0	-	-

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

Parameter	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
<i>E. coli</i>	C002	0 number/100 ml	312	0	0	0	0
TOTAL	-	-	624	0	-	-	-

Table HRT 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	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C	C007	No abnormal change	312	n/a	0	8
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	312	n/a	0	20
Residual Disinfectant - Free	C009	No abnormal change	312	n/a	0.3413	0.6
TOTAL	-	-	936	0	-	-

Table HRT 6: Quality of water at consumer's tap (zones) - European Standards

Parameter	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 with failures
1,2 Dichloroethane	F001	3 µg/l	20	0	<0.2	<0.2	0
Antimony	B008A	5 µg Sb/l	20	0	<0.17	<0.17	0
Arsenic	B001A	10 µg As/l	20	0	<0.12	<0.12	0
Benzene	F002	1 µg/l	20	0	<0.05	<0.05	0
Benzo (a) Pyrene	D007	0.01 µg/l	20	0	<0.0004	<0.004	0
Boron	D005A	1 mg B/l	20	0	0.028	0.06	0
Bromate	F003	10 µg BrO ₃ /l	20	0	<0.0011	1.6	0
Cadmium	B002	5 µg Cd/l	20	0	<0.012	0.088	0
Chromium	B004	50 µg Cr/l	20	0	<0.12	1.84	0
Copper	A024A	2 mg Cu/l	20	0	<0.003	0.292	0
Cyanide	B003	50 µg CN/l	20	0	<0.5	<2.1	0
<i>E. coli</i>	C002	0 number/100 ml	238	0	0	0	0
Enterococci	C003	0 number/100 ml	20	0	0	0	0
Fluoride	A027	1.5 mg F/l	20	0	0.88	1.35	0
Lead	B007A	25 µg Pb/l	20	0	<0.14	1.58	0
Mercury	B005	1 µg Hg/l	20	0	<0.046	0.371	0
Nickel	B006A	20 µg Ni/l	20	0	<0.5	3.49	0
Nitrate	A012	50 mg NO ₃ /l	20	0	4.4773	10.646	0
Nitrite	A013A	0.5 mg NO ₂ /l	20	0	<0.0093	<0.0093	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	20	0	<0.0926	<0.216	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	20	0	<0.0034	0.0035	0
Selenium	B009	10 µg Se/l	20	0	<0.3	0.96	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	20	0	<0.4	<0.4	0
Trihalomethanes (THMs)	D011	100 µg/l	20	0	<4	5.3	0
Pesticides (Diflufenican)	P157	µg/l	20	0	<0.004	<0.01	0
Pesticides (Heptachlor)	P043	µg/l	20	0	<0.004	<0.004	0
Pesticides (Heptachlor epoxide)	P044	µg/l	20	0	<0.007	<0.009	0
Pesticides (Metazachlor)	P203	µg/l	20	0	<0.0049	<0.0049	0
Pesticides (Pendimethalin)	P118	µg/l	20	0	<0.0035	<0.0035	0
Pesticides - Total Substances	B010	0.5 µg/l	20	0	0	0	0
TOTAL	-	-	818	0	-	-	-

Table HRT 7: Quality of water at consumer's tap (zones) - National Standards

Parameter	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 with failures
Aluminium	A021	200 µg Al/l	20	0	<7	<12	0
Colour	A001	20 mg/l Pt/Co scale	40	0	<1.5	3.4	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	40	0	7	8	0
Iron	A022	200 µg Fe/l	20	0	<6.5	22.5	0
Manganese	A023	50 µg Mn/l	20	0	1.5	<4.2	0
Organoleptic Odour	A003	Dilution no. 3 at 25°C	40	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	40	0	0	0	0
Sodium	A009	200 mg Na/l	20	0	29.9	53.8	0
Tetrachloromethane	D008	3 µg/l	20	0	<0.1	<0.1	0
Turbidity	A002	4 NTUs	40	0	<0.11	0.43	0
TOTAL	-	-	300	0	-	-	-

Table HRT 8: 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	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium	A014	0.5 mg NH ₄ /l	40	0	<0.01	0.07
Chloride	D002A	250 mg Cl/l	20	0	30.2	78.7
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	20	0	0	0
Coliform Bacteria	C001A	0 number/100 ml	238	0	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	80	n/a	0	104
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	80	n/a	0	80
Conductivity	D001	2500 µS/cm	40	0	717	1060
Hydrogen ion (pH)	A006A	9.5 pH Value	40	0	7	8
Radioactivity - Gross Alpha	F004	0.1 Bq/l	20	0	<0.04	<0.09
Radioactivity - Gross Beta	F005	1 Bq/l	20	0	0.04	<0.5
Radioactivity - Tritium	F006	100 Bq/l	10	0	<10	<10
Residual Disinfectant - Free	C009	No abnormal change	240	n/a	0.1641	0.57
Sulphate	A007	250 mg SO ₄ /l	20	0	89.6	244
Total Organic Carbon (TOC)	A017	No abnormal change	20	n/a	1.08	3.1
TOTAL	-	-	888	0	-	-