

## **Data Summary Tables for Hartlepool Water (HPL)**

These tables contain a summary of results of monitoring undertaken by the water company in 2010 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 2010'.

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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## Viewing Site Summary Data for Hartlepool Water Plc

Report Date Range: For the whole year 2010

**Table HPL 1: Quality of water leaving 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 <sub>2</sub> /l	20	0	< 0.0014	< 0.0014	0
<b>Totals:</b>			<b>20</b>	<b>0</b>			

**Table HPL 2: Quality of water leaving 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	429	0	0	0	0
E Coli	C002	0 number/100 ml	168	0	0	0	0
<b>Totals:</b>			<b>597</b>	<b>0</b>			

**Table HPL 3: Quality of water leaving 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	168	n/a	0	1
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	168	n/a	0	10
Residual Disinfectant - Free	C009	No abnormal change	429	n/a	0.266	0.67
Turbidity (Indicator)	A002A	1 nephelometric turbidity units	168	0	< 0.08	0.4431
<b>Totals:</b>			<b>933</b>	<b>0</b>		

**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	1	0	0	0
E Coli	C002	0 number/100 ml	312	0	0	0	0
<b>Totals:</b>			<b>624</b>	<b>1</b>			

**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	4
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	312	n/a	0	1
Residual Disinfectant - Free	C009	No abnormal change	312	n/a	0.2713	0.51
<b>Totals:</b>			<b>936</b>	<b>0</b>		

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
1,2 Dichloroethane	F001	3 µg/l	20	0	< 0.049	< 0.049	0
Benzene	F002	1 µg/l	20	0	< 0.03	< 0.03	0
Boron	D005A	1 mg B/l	20	0	< 0.0078	0.085	0
Bromate	F003	10 µg BrO3/l	20	0	< 0.97	< 0.97	0
Cyanide	B003	50 µg CN/l	20	0	< 0.3	< 2.2	0
Fluoride	A027	1.5 mg F/l	20	0	0.85	1.2	0
Mercury	B005	1 µg Hg/l	20	0	< 0.037	< 0.037	0
Pesticides - Total Substances	B010	0.5 µg/l	20	0	0	0	0
Pesticides Clopyralid	P018	0.1 µg/l	20	0	< 0.0069	< 0.0069	0
Pesticides Diflufenican	P157	0.1 µg/l	20	0	< 0.0089	< 0.0089	0
Pesticides Heptachlor	P043	0.03 µg/l	20	0	< 0.0016	< 0.0016	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	20	0	0	0	0
Pesticides Metaldehyde	P226	0.1 µg/l	20	0	< 0.0056	< 0.0056	0
Pesticides Metazachlor	P203	0.1 µg/l	20	0	< 0.0084	< 0.0084	0
Pesticides Pendimethalin	P118	0.1 µg/l	20	0	< 0.0056	< 0.0056	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	20	0	0	0	0
<b>Totals:</b>			<b>320</b>	<b>0</b>			

Table HPL 7: Quality of water leaving bulk supply points - 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 supply points with failures
Tetrachloromethane	D008	3 µg/l	20	0	< 0.074	< 0.074	0
<b>Totals:</b>			<b>20</b>	<b>0</b>			

**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)
Chloride (Indicator)	D002A	250 mg Cl/l	20	0	31	95
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	20	0	0	0
Gross Alpha Activity	F004	0.1 Bq/l	20	0	0.023	0.083
Gross Beta Activity	F005	1 Bq/l	20	0	< 0.04	0.17
Sulphate (Indicator)	A007	250 mg SO <sub>4</sub> /l	20	0	94	230
Total organic carbon (indicator)	A017	No abnormal change	20	n/a	1.2	3
<b>Totals:</b>			<b>120</b>	<b>0</b>		

**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 with failures
Antimony	B008A	5 µg Sb/l	20	0	< 0.28	< 0.28	0
Arsenic	B001A	10 µg As/l	20	0	0.3	0.78	0
Benzo (a) Pyrene	D007	0.01 µg/l	20	0	< 0.00062	< 0.00062	0
Cadmium	B002	5 µg Cd/l	20	0	< 0.0081	0.022	0
Chromium	B004	50 µg Cr/l	20	0	< 0.2	0.34	0
Copper	A024A	2 mg Cu/l	20	0	0.0045	0.27	0
E Coli	C002	0 number/100 ml	240	0	0	0	0
Enterococci	C003	0 number/100 ml	20	0	0	0	0
Lead	B007A	25 µg Pb/l	20	0	0.048	2.4	0
Nickel	B006A	20 µg Ni/l	20	0	< 0.034	1.2	0
Nitrate	A012	50 mg NO <sub>3</sub> /l	20	0	3	9.8	0
Nitrate/Nitrite Formula	A013C	1 mg NO <sub>2</sub> /l	20	0	< 0.059	< 0.2	0
Nitrite (Consumers tap)	A013A	0.5 mg NO <sub>2</sub> /l	20	0	< 0.0014	< 0.0014	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	20	0	0	0	0
Selenium	B009	10 µg Se/l	20	0	< 0.31	1.1	0
Total Trihalomethanes	D011	100 µg/l	20	0	3.41	10.4	0
<b>Totals:</b>			<b>540</b>	<b>0</b>			

**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 with failures
Aluminium	A021	200 µg Al/l	20	0	< 2.5	4.7	0
Colour	A001	20 mg/l Pt/Co scale	40	0	< 0.88	< 1	0
Iron	A022	200 µg Fe/l	20	0	< 1.1	17	0
Manganese	A023	50 µg Mn/l	20	0	0.15	6.4	0
Organoleptic Odour	A003	0 Dilution number	40	0	0	0	0
Organoleptic Taste	A004	0 Dilution number	40	0	0	0	0
Sodium	A009	200 mg Na/l	20	0	34	58	0
Turbidity	A002	4 nephelometric turbidity units	40	0	< 0.08	0.54	0
<b>Totals:</b>			<b>240</b>	<b>0</b>			

**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 <sub>4</sub> /l	40	0	< 0.012	0.019
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	240	0	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	80	n/a	0	25
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	80	n/a	0	61
Conductivity (Indicator)	D001	2500 µS/cm	40	0	750	1000
Hydrogen ion (pH)	A006	6.5-9.5 pH Value	40	0	7.3	7.8
Residual Disinfectant - Free	C009	No abnormal change	240	n/a	0.1641	0.5059
<b>Totals:</b>			<b>760</b>	<b>0</b>		