

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

These tables contain a summary of results of monitoring undertaken by the water company in 2008 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 2008'.

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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## Site Summary Data for Hartlepool Water Plc

Report Date Range: For the whole year 2008

**Table HRT 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	118	0	< 0.002	< 0.002	0
<b>Totals:</b>			<b>118</b>	<b>0</b>			

**Table HRT 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	168	0	0	0	0
E Coli	C002	0 number/100 ml	168	0	0	0	0
<b>Totals:</b>			<b>336</b>	<b>0</b>			

**Table HRT 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	2.24
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	168	N/A	0	2.62
Residual Disinfectant - Free	C009	No abnormal change	168	N/A	0.31	0.716
Turbidity (Indicator)	A002A	1 nephelometric turbidity unit	168	0	< 0.08	0.812
<b>Totals:</b>			<b>672</b>	<b>0</b>		

**Table HRT 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	318	0	0	0	0
E Coli	C002	0 number/100 ml	318	0	0	0	0
<b>Totals:</b>			<b>636</b>	<b>0</b>			

**Table HRT 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	318	N/A	0	1
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	318	N/A	0	2
Residual Disinfectant - Free	C009	No abnormal change	318	N/A	0.304	0.631
<b>Totals:</b>			<b>954</b>	<b>0</b>		

**Table HRT 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 <sub>3</sub> /l	20	0	< 0.97	< 0.97	0
<b>Totals:</b>			<b>20</b>	<b>0</b>			

Table HRT 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
1,2 Dichloroethane	F001	3 µg/l	20	0	< 0.049	< 0.049	0
Antimony	B008A	5 µg Sb/l	20	0	< 0.28	< 0.28	0
Arsenic	B001A	10 µg As/l	20	0	0.2	0.8	0
Benzene	F002	1 µg/l	20	0	< 0.03	< 0.03	0
Benzo (a) Pyrene	D007	0.01 µg/l	20	0	< 0.001	0.001	0
Boron	D005A	1 mg B/l	20	0	< 0.026	0.1	0
Cadmium	B002	5 µg Cd/l	20	0	< 0.008	0.029	0
Chromium	B004	50 µg Cr/l	20	0	< 0.2	2.1	0
Copper	A024A	2 mg Cu/l	20	0	0.005	0.096	0
Cyanide	B003	50 µg CN/l	20	0	< 0.66	3.9	0
E Coli	C002	0 number/100 ml	240	0	0	0	0
Enterococci	C003	0 number/100 ml	20	0	0	0	0
Fluoride	A027	1.5 mg F/l	20	0	0.83	1.2	0
Lead	B007A	25 µg Pb/l	20	0	< 0.025	1.8	0
Mercury	B005	1 µg Hg/l	20	0	< 0.037	0.088	0
Nickel	B006A	20 µg Ni/l	20	0	0.087	3	0
Nitrate	A012	50 mg NO <sub>3</sub> /l	20	0	3.4	11	0
Nitrate/Nitrite Formula	A013C	1 mg NO <sub>2</sub> /l	20	0	0.069	0.221	0
Nitrite (Consumers tap)	A013A	0.5 mg NO <sub>2</sub> /l	20	0	< 0.002	0.008	0
Pesticides - Total Substances	B010	0.5 µg/l	20	0	0	0.005	0
Pesticides Diflufenican	P157	0.1 µg/l	20	0	< 0.009	< 0.009	0
Pesticides Heptachlor	P043	0.03 µg/l	20	0	< 0.002	0.005	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	20	0	0	0	0
Pesticides Metazachlor	P203	0.1 µg/l	20	0	< 0.008	< 0.008	0
Pesticides Pendimethalin	P118	0.1 µg/l	20	0	< 0.001	0.004	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	20	0	0	0.004	0
Selenium	B009	10 µg Se/l	20	0	< 0.31	1.1	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	20	0	0	0	0
Total Trihalomethanes	D011	100 µg/l	20	0	0.64	9.3	0
<b>Totals:</b>			<b>800</b>	<b>0</b>			

**Table HRT 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	< 2.9	< 2.9	0
Colour	A001	20 mg/l Pt/Co scale	40	0	< 0.88	0.91	0
Iron	A022	200 µg Fe/l	20	0	< 2.3	18	0
Manganese	A023	50 µg Mn/l	20	0	0.66	6.9	0
Organoleptic Odour	A003	<1 dilution number at 25°C	40	0			0
Organoleptic Taste	A004	<1 dilution number at 25°C	40	0			0
Sodium	A009	200 mg Na/l	20	0	31	52	0
Tetrachloromethane	D008	3 µg/l	20	0	< 0.074	< 0.074	0
Turbidity	A002	4 nephelometric turbidity units	40	0	< 0.08	0.37	0
<b>Totals:</b>			<b>260</b>	<b>0</b>			

**Table HRT 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	< 0.026	0.027
Chloride (Indicator)	D002A	250 mg Cl/l	20	0	30	76
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	20	0	0	0
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	4
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	80	N/A	0	26
Conductivity (Indicator)	D001	2500 µS/cm	40	0	760	1000
Gross Alpha Activity	F004	0.1 Bq/l	20	0	0.014	0.084
Gross Beta Activity	F005	1 Bq/l	20	0	0.066	0.13
Hydrogen ion (pH)	A006	6.5 - 9.5 pH range	40	0	7.2	7.8
Residual Disinfectant - Free	C009	No abnormal change	240	N/A	0.092	0.606
Sulphate (Indicator)	A007	250 mg SO <sub>4</sub> /l	20	0	90	210
Total organic carbon (indicator)	A017	No abnormal change	20	N/A	0.72	2.4
<b>Totals:</b>			<b>880</b>	<b>0</b>		