

Data Summary Tables for Hartlepool Water (HRT)

These tables represent a summary of test results from water samples taken by the water company in 2005 and submitted to the Drinking Water Inspectorate.

These tables are published annually by the Inspectorate as part of the Chief Inspector's Report. They are available on the Inspectorate's website at www.dwi.gov.uk

Notes relating to the interpretation of the tables : -

Columns on the following tables that are headed "Maximum" and "Minimum" contain figures for the 1 percentile and 99 percentile sample results 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.

Published June 28th 2006
Drinking Water Inspectorate
55, Whitehall
London
SW1A 2EY

Enquiries : 020 7082 8024

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

Number of treatment works = 3

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	0.1 mg NO ₂ /l	220	0	<0.009	<0.009	0
TOTAL	-	220	0	-	-	-

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

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	0 number/100 ml	220	0	0	0	0
<i>E. coli</i>	0 number/100 ml	220	0	0	0	0
TOTAL	-	440	0	-	-	-

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

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	220	0	0	29
Colony Counts After 48 Hours At 37°C	No abnormal change	220	0	0	18
Residual Disinfectant - Free	No abnormal change	220	0	0.3763	0.65
Turbidity	1 NTU	198	2	<0.11	1.107
TOTAL	-	858	2	-	-

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

Number of service reservoirs = 6

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	0 number/100 ml	312	0	0	0	0
<i>E. coli</i>	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	Prescribed Concentration or Value	Total number of tests	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	312	0	2
Colony Counts After 48 Hours At 37°C	No abnormal change	312	0	1
Residual Disinfectant - Free	No abnormal change	312	0.3639	0.65
TOTAL	-	936	-	-

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

Number of zones = 3

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
1,2 Dichloroethane	3 µg/l	20	0	<0.2	<0.2	0
Antimony	5 µg Sb/l	20	0	<0.17	3.63	0
Arsenic	10 µg As/l	20	0	<0.12	0.82	0
Benzene	1 µg/l	20	0	<0.05	<0.05	0
Benzo (a) Pyrene	0.01 µg/l	20	0	<0.0004	0.0007	0
Boron	1 mg B/l	20	0	0.028	0.064	0
Bromate	10 µg BrO ₃ /l	20	0	<0.6	2.3	0
Cadmium	5 µg Cd/l	20	0	<0.012	0.039	0
Chromium	50 µg Cr/l	20	0	<0.12	0.84	0
Copper	2 mg Cu/l	20	0	<0.003	0.022	0
Cyanide	50 µg CN/l	20	0	<2.1	5.9	0
<i>E. coli</i>	0 number/100 ml	240	0	0	0	0
Enterococci	0 number/100 ml	19	0	0	0	0
Fluoride	1.5 mg F/l	20	0	0.856	1.41	0
Lead	25 µg Pb/l	20	0	<0.14	4.64	0
Mercury	1 µg Hg/l	20	0	<0.046	<0.046	0
Nickel	20 µg Ni/l	20	0	<0.5	1.66	0
Nitrate	50 mg NO ₃ /l	20	0	3.937	9.818	0
Nitrite	0.5 mg NO ₂ /l	20	0	<0.009	<0.009	0
Nitrate/Nitrite Formula	≤ 1	20	0	<0.082	<0.2	0
Polycyclic aromatic hydrocarbons (PAHs)	0.1 µg/l	20	0	<0.003	<0.003	0
Selenium	10 µg Se/l	20	0	<0.3	1.19	0
Tetrachloroethene/Trichloroethene	10 µg/l	20	0	<0.4	<0.4	0
Trihalomethanes (THMs)	100 µg/l	20	0	<4	5.6	0
Pesticides (Diflufenican)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (Heptachlor)	0.03 µg/l	20	0	<0.004	<0.004	0
Pesticides (Heptachlor epoxide)	0.03 µg/l	20	0	<0.007	<0.007	0
Pesticides (Metazachlor)	0.1 µg/l	20	0	<0.005	<0.005	0
Pesticides (Pendimethalin)	0.1 µg/l	20	0	<0.004	<0.004	0
Pesticides - Total Substances	0.5 µg/l	20	0	0	0	0
TOTAL	-	819	0	-	-	-

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

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Aluminium	200 µg Al/l	20	0	<7	16	0
Colour	20 mg/l Pt/Co scale	40	0	<1.5	<1.7	0
Hydrogen ion (pH)	6.5 - 10 pH value	40	0	7	7.7	0
Iron	200 µg Fe/l	20	0	<6.5	37.4	0
Manganese	50 µg Mn/l	20	0	<0.4	4.2	0
Organoleptic Odour	Dilution No. 3 at 25°C	40	0	0	0	0
Organoleptic Taste	Dilution No. 3 at 25°C	40	0	0	2	0
Sodium	200 mg Na/l	20	0	30.2	56.1	0
Tetrachloromethane	3 µg/l	20	0	<0.1	<0.1	0
Turbidity	4 NTU	36	0	<0.11	0.44	0
TOTAL	-	296	0	-	-	-

Table HRT 8: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Ammonium	0.5 mg NH ₄ /l	40	0	<0.01	0.01
Chloride	250 mg Cl/l	20	0	36.6	83.3
<i>Clostridium perfringens</i>	0 number/100 ml	19	0	0	0
Coliform Bacteria	0 number/100 ml	240	0	0	0
Colony Counts After 3 Days At 22°C	No abnormal change	80	0	0	60
Colony Counts After 48 Hours At 37°C	No abnormal change	80	0	0	20
Conductivity	2500 µS/cm	40	0	712	1010
Hydrogen ion (pH)	9.5 pH Value	40	0	7	7.7
Radioactivity - Gross Alpha	0.1 Bq/l	20	0	<0.05	<0.1
Radioactivity - Gross Beta	1 Bq/l	20	0	<0.5	<1
Radioactivity - Tritium	100 Bq/l	20	0	<10	<40
Residual Disinfectant - Free	No abnormal change	240	0	0.2023	0.57
Sulphate	250 mg SO ₄ /l	20	0	85.6	233
Total Organic Carbon (TOC)	No abnormal change	20	0	<0.26	3.99
TOTAL	-	899	0	-	-