

Data Summary Tables for Northumbrian Water (NNE)

These tables contain a summary of results of monitoring undertaken by the water company in 2007 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 2007'.

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.

Published June 26th 2008
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Data Summary (Q4) for NORTHUMBRIAN WATER LTD

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	A013B	0.1 mg NO ₂ /l	330	0	<0.0024	0.007707	0
TOTAL	-	-	330	0	-	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	C001	0 number/100 ml	6026	5	0	0	5
Cryptosporidium	C111	Oocyst concentration / 10l	1535	0	-	-	0
<i>E. coli</i>	C002	0 number/100 ml	6026	0	0	0	0
TOTAL	-	-	13587	5	-	-	-

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

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	6026	N/A	0	4
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	6026	N/A	0	3
Residual Disinfectant - Free	C009	No abnormal change	6026	N/A	0.27	1.07
Residual Disinfectant - Total	C010	No abnormal change	6026	N/A	0.33	1.1573
Turbidity	A002A	1 NTU	6026	1	<0.08	0.34
TOTAL	-	-	30130	1	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	C001	0 number/100 ml	11259	13	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	11259	1	0	0	1
TOTAL	-	-	22518	14	-	-	-

Table NWL 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	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	11259	N/A	0	180
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	11259	N/A	0	4
Residual Disinfectant - Free	C009	No abnormal change	11259	N/A	0.01	0.84
Residual Disinfectant - Total	C010	No abnormal change	11259	N/A	0.05	0.92
TOTAL	-	-	45036	0	-	-

Table NWL 6: Quality of water leaving bulk supply points - European Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
1,2 Dichloroethane	F001	3 µg/l	285	0	<0.049	<0.085	0
Benzene	F002	1 µg/l	285	0	<0.03	<0.042	0
Cyanide	B003	50 µg CN/l	286	0	<0.66	6.778	0
Mercury	B005	1 µg Hg/l	286	0	<0.037	0.04243	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	285	0	0	0.35	0
TOTAL	-	-	1427	0	-	-	-

Table NWL 7: Quality of water leaving bulk supply points - National Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Tetrachloromethane	D008	3 µg/l	285	0	<0.074	<0.11	0
TOTAL	-	-	285	0	-	-	-

Table NWL 8: Quality of water leaving bulk supply points - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Radioactivity - Gross Alpha	F004	0.1 Bq/l	285	0	0.01886	0.058
Radioactivity - Gross Beta	F005	1 Bq/l	285	0	0.02386	0.2856
Radioactivity - Tritium	F006	100 Bq/l	8	0	<4	6.5
Total Organic Carbon (TOC)	A017	No abnormal change	287	N/A	<0.36	3.124
TOTAL	-	-	865	0	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Antimony	B008A	5 µg Sb/l	551	0	<0.28	0.3348	0
Arsenic	B001A	10 µg As/l	551	0	<0.17	0.4548	0
Benzo (a) Pyrene	D007	0.01 µg/l	551	0	<0.0006	0.000848	0
Boron	D005A	1 mg B/l	552	0	<0.026	0.10258	0
Bromate	F003	10 µg BrO ₃ /l	551	0	<0.95	2.54	0
Cadmium	B002	5 µg Cd/l	551	0	<0.0081	0.06776	0
Chromium	B004	50 µg Cr/l	551	0	<0.2	0.62	0
Copper	A024A	2 mg Cu/l	551	0	<0.0006	0.1848	0
<i>E. coli</i>	C002	0 number/100 ml	6444	0	0	0	0
Enterococci	C003	0 number/100 ml	551	0	0	0	0
Fluoride	A027	1.5 mg F/l	551	0	0.014	1.1	0
Lead	B007A	25 µg Pb/l	551	0	<0.025	6.748	0
Nickel	B006A	20 µg Ni/l	551	0	<0.16	6.596	0
Nitrate	A012	50 mg NO ₃ /l	552	0	<0.69	23.47	0
Nitrite	A013A	0.5 mg NO ₂ /l	552	0	<0.0024	0.006046	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	551	0	<0.014	<0.47	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	551	0	0	0.003792	0
Selenium	B009	10 µg Se/l	551	0	<0.31	1.4	0
Trihalomethanes (THMs)	D011	100 µg/l	551	0	3.2364	78.544	0
Pesticides (2,4,5-T)	P076	0.1 µg/l	551	0	<0.0036	<0.0036	0
Pesticides (2,4,-Db)	P082	0.1 µg/l	551	0	<0.0025	<0.0025	0
Pesticides (2,4-D)	P020	0.1 µg/l	551	0	<0.0049	0.017	0
Pesticides (Aldrin)	P002	0.03 µg/l	551	0	<0.0043	0.0044	0
Pesticides (Asulam)	P133	0.1 µg/l	551	0	<0.0033	<0.01	0
Pesticides (Atrazine)	P004	0.1 µg/l	550	0	<0.0011	0.006547	0
Pesticides (Benazolin)	P138	0.1 µg/l	551	0	<0.004	0.007792	0
Pesticides (Bromoxynil)	P008	0.1 µg/l	551	0	<0.0023	0.00684	0
Pesticides (Carbendazim)	P150	0.1 µg/l	551	0	<0.0028	<0.0093	0
Pesticides (Carbofuran)	P087	0.1 µg/l	551	0	<0.0053	<0.0053	0
Pesticides (Chlormequat)	P163	0.1 µg/l	551	0	<0.0027	0.004344	0
Pesticides (Chlorothalonil)	P015	0.1 µg/l	551	0	<0.0072	<0.0072	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	551	0	<0.006	0.006	0
Pesticides (Clopyralid)	P018	0.1 µg/l	551	0	<0.0069	0.0568	0
Pesticides (Cypermethrin)	P094	0.1 µg/l	551	0	<0.0041	0.01448	0
Pesticides (Diazinon)	P024	0.1 µg/l	550	0	<0.0023	<0.0023	0
Pesticides (Dicamba)	P025	0.1 µg/l	551	0	<0.0034	<0.0034	0
Pesticides (Dichlorprop)	P026	0.1 µg/l	551	0	<0.0026	0.006348	0

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Pesticides (Dichlorvos)	P027	0.1 µg/l	550	0	<0.0022	<0.002641	0
Pesticides (Dieldrin)	P028	0.03 µg/l	551	0	<0.0056	<0.0056	0
Pesticides (Dimethoate)	P029	0.1 µg/l	550	0	<0.0058	<0.0058	0
Pesticides (Diuron)	P032	0.1 µg/l	551	0	<0.0072	<0.0072	0
Pesticides (Fenitrothion)	P036	0.1 µg/l	550	0	<0.0043	0.007098	0
Pesticides (Fenpropidin)	P168	0.1 µg/l	550	0	<0.0029	0.009698	0
Pesticides (Fenpropimorph)	P037	0.1 µg/l	550	0	<0.0029	0.005949	0
Pesticides (Fluroxypyr)	P040	0.1 µg/l	551	0	<0.0045	0.008096	0
Pesticides (Fonofos)	P204	0.1 µg/l	550	0	<0.0033	<0.0033	0
Pesticides (Heptachlor)	P043	0.03 µg/l	551	0	<0.0019	0.005448	0
Pesticides (Heptachlor epoxide)	P044	0.03 µg/l	551	0	0	0	0
Pesticides (Ioxynil)	P049	0.1 µg/l	551	0	<0.0028	0.0081	0
Pesticides (Isoproturon)	P048	0.1 µg/l	551	0	<0.013	<0.013	0
Pesticides (Linuron)	P051	0.1 µg/l	551	0	<0.0028	0.005728	0
Pesticides (Malathion)	P052	0.1 µg/l	550	0	<0.005	<0.005	0
Pesticides (MCPA)	P054	0.1 µg/l	551	0	<0.0037	0.01848	0
Pesticides (MCPB)	P055	0.1 µg/l	551	0	<0.0039	0.01048	0
Pesticides (MCPP(Mecoprop))	P053	0.1 µg/l	551	0	<0.0059	0.01892	0
Pesticides (Metalaxyl)	P209	0.1 µg/l	550	0	<0.0024	<0.0024	0
Pesticides (Pendimethalin)	P118	0.1 µg/l	550	0	<0.001	0.006849	0
Pesticides (Propazine)	P066	0.1 µg/l	550	0	<0.0009	0.004094	0
Pesticides (Propetamphos)	P069	0.1 µg/l	550	0	<0.0017	0.0036	0
Pesticides (Propyzamide)	P071	0.1 µg/l	551	0	<0.0037	<0.0037	0
Pesticides (Simazine)	P073	0.1 µg/l	550	0	<0.0017	0.004449	0
Pesticides (Triazophos)	P080	0.1 µg/l	550	0	<0.0026	<0.0026	0
Pesticides (Trichlopyr)	P131	0.1 µg/l	551	0	<0.0048	0.00814	0
Pesticides (Trietazine)	P132	0.1 µg/l	550	0	<0.0013	0.003747	0
Pesticides (Trifluralin)	P081	0.1 µg/l	551	0	<0.0076	<0.0076	0
Pesticides - Total Substances	B010	0.5 µg/l	551	0	0	0.08412	0
TOTAL	-	-	42246	0	-	-	-

Table NWL 10: Quality of water at consumer's tap (zones) - National Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Aluminium	A021	200 µg Al/l	2289	4	<2.2	61.1	4
Colour	A001	20 mg/l Pt/Co scale	2290	0	<0.88	2.9	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	2290	0	7	8.7	0
Iron	A022	200 µg Fe/l	2289	14	<2.3	180	12
Manganese	A023	50 µg Mn/l	2273	5	<0.27	11	5
Organoleptic Odour	A003	Dilution no. 3 at 25°C	1355	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	1355	4	0	0	4
Sodium	A009	200 mg Na/l	551	0	3.1	60.44	0
Turbidity	A002	4 NTUs	2290	3	<0.08	0.6218	3
TOTAL	-	-	16982	30	-	-	-

Table NWL 11: 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	Minimum	Maximum
Ammonium	A014	0.5 mg NH ₄ /l	2290	0	<0.026	0.03309
Chloride	D002A	250 mg Cl/l	552	0	5.253	57.47
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	2273	1	0	0
Coliform Bacteria	C001A	0 number/100 ml	6444	28	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	2290	N/A	0	160
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	2290	N/A	0	89
Conductivity	D001	2500 µS/cm	2290	0	120	900
Hydrogen ion (pH)	A006A	9.5 pH Value	2290	0	7	8.7
Residual Disinfectant - Free	C009	No abnormal change	6444	N/A	0.02	0.74
Residual Disinfectant - Total	C010	No abnormal change	6444	N/A	0.05	0.84
Sulphate	A007	250 mg SO ₄ /l	551	0	5.8	184.4
TOTAL	-	-	34158	29	-	-