

Data Summary Tables for Northumbrian Water (NNE)

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 NORTHUMBRIAN WATER LTD

Table NWL 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	332	0	<0.0024	0.007702	0
TOTAL	-	-	332	0	-	-	-

Table NWL 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	5915	3	0	0	2
Cryptosporidium	C111	oocysts >1 in10 litres	1714	0	<0.01	<0.01	0
<i>E. coli</i>	C002	0 number/100 ml	5915	0	0	0	0
TOTAL	-	-	13544	3	-	-	-

Table NWL 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	5915	n/a	0	7
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	5915	n/a	0	3
Residual Disinfectant - Free	C009	No abnormal change	5915	n/a	0.2	1.14
Residual Disinfectant - Total	C010	No abnormal change	5915	n/a	0.3	1.23
Turbidity	A002A	1 NTU	5913	0	0.07	0.4
TOTAL	-	-	29573	0	-	-

Table NWL 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	11580	10	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	11580	4	0	0	4
TOTAL	-	-	23160	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	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C	C007	No abnormal change	11580	n/a	0	>300
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	11580	n/a	0	7
Residual Disinfectant - Free	C009	No abnormal change	11580	n/a	0.02	0.84
Residual Disinfectant - Total	C010	No abnormal change	11580	n/a	0.05	1
TOTAL	-	-	46320	n/a	-	-

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	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of supply points with failures
1,2 Dichloroethane	F001	3 µg/l	287	0	<0.085	<0.085	0
Benzene	F002	1 µg/l	287	0	<0.042	<0.042	0
Cyanide	B003	50 µg CN/l	288	0	<0.66	8.812	0
Mercury	B005	1 µg Hg/l	288	0	<0.037	<0.037	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	287	0	0	0.3956	0
TOTAL	-	-	1437	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	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of supply points with failures
Tetrachloromethane	D008	3 µg/l	287	0	<0.11	<0.11	0
TOTAL	-	-	287	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	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Radioactivity - Gross Alpha	F004	0.1 Bq/l	288	0	<0.01989	0.07344
Radioactivity - Gross Beta	F005	1 Bq/l	288	0	0.024	0.2511
Radioactivity - Tritium	F006	100 Bq/l	288	0	<4	6.4
Total Organic Carbon (TOC)	A017	No abnormal change	288	n/a	<0.36	3.511
TOTAL	-	-	1152	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	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones with failures
Antimony	B008A	5 µg Sb/l	549	0	<0.28	0.47	0
Arsenic	B001A	10 µg As/l	549	0	<0.17	0.715	0
Benzo (a) Pyrene	D007	0.01 µg/l	549	0	<0.0006	<0.006	0
Boron	D005A	1 mg B/l	550	0	<0.026	0.11	0
Bromate	F003	10 µg BrO ₃ /l	550	0	<0.95	4.647	0
Cadmium	B002	5 µg Cd/l	550	0	<0.017	0.058	0
Chromium	B004	50 µg Cr/l	550	0	<0.28	0.4241	0
Copper	A024A	2 mg Cu/l	550	0	<0.0006	0.3043	0
<i>E. coli</i>	C002	0 number/100 ml	6404	3	0	0	3
Enterococci	C003	0 number/100 ml	552	1	0	0	1
Fluoride	A027	1.5 mg F/l	550	0	<0.022	1.1	0
Lead	B007A	25 µg Pb/l	550	2	<0.17	15	2
Nickel	B006A	20 µg Ni/l	550	0	<0.16	8.792	0
Nitrate	A012	50 mg NO ₃ /l	550	0	<0.69	28.49	0
Nitrite	A013A	0.5 mg NO ₂ /l	550	0	<0.0024	0.005043	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	550	0	<0.015	<0.5698	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	549	0	0	0.00395	0
Selenium	B009	10 µg Se/l	549	0	<0.31	1.5	0
Trihalomethanes (THMs)	D011	100 µg/l	550	0	1.4198	77.149	0
Pesticides (2,4,5-T)	P076	µg/l	550	0	<0.0036	0.007535	0
Pesticides (2,4,-Db)	P082	µg/l	550	0	<0.0025	0.006847	0
Pesticides (2,4-D)	P020	µg/l	550	0	<0.0049	0.023	0
Pesticides (Aldrin)	P002	µg/l	550	0	<0.0043	<0.0043	0
Pesticides (Atrazine)	P004	µg/l	550	0	<0.0011	0.007	0
Pesticides (Benazolin)	P138	µg/l	550	0	<0.004	0.01449	0
Pesticides (Bromoxynil)	P008	µg/l	550	0	<0.0023	0.005098	0
Pesticides (Carbendazim)	P150	µg/l	550	0	<0.0028	0.006598	0
Pesticides (Carbofuran)	P087	µg/l	550	0	<0.0053	0.0071	0
Pesticides (Chlormequat)	P163	µg/l	550	0	<0.0027	0.03398	0
Pesticides (Chlortoluron)	P014	µg/l	550	0	<0.006	<0.006	0
Pesticides (Clopyralid)	P018	µg/l	550	0	<0.0069	0.01247	0
Pesticides (Cypermethrin)	P094	µg/l	550	0	<0.0041	0.012	0
Pesticides (Diazinon)	P024	µg/l	550	0	<0.0023	<0.0023	0
Pesticides (Dicamba)	P025	µg/l	550	0	<0.0034	0.004496	0

Pesticides (Dichlorprop)	P026	µg/l	550	0	<0.0026	0.004643	0
Pesticides (Dichlorvos)	P027	µg/l	550	0	<0.0022	<0.0022	0
Pesticides (Dieldrin)	P028	µg/l	550	0	<0.0056	<0.0056	0
Pesticides (Dimethoate)	P029	µg/l	550	0	<0.0058	<0.0058	0
Pesticides (Diuron)	P032	µg/l	550	0	<0.0072	0.009049	0
Pesticides (Fenitrothion)	P036	µg/l	550	0	<0.0043	<0.0043	0
Pesticides (Fenpropidin)	P168	µg/l	550	0	<0.0029	0.008345	0
Pesticides (Fenpropimorph)	P037	µg/l	550	0	<0.0029	0.005749	0
Pesticides (Fluroxypyr)	P040	µg/l	550	0	<0.0045	0.01149	0
Pesticides (Fonofos)	P204	µg/l	550	0	<0.0033	<0.0033	0
Pesticides (Heptachlor)	P043	µg/l	550	0	<0.0019	0.006249	0
Pesticides (Heptachlor epoxide)	P044	µg/l	550	0	0	0	0
Pesticides (Ioxynil)	P049	µg/l	550	0	<0.0028	0.007594	0
Pesticides (Isoproturon)	P048	µg/l	550	0	<0.013	<0.013	0
Pesticides (Linuron)	P051	µg/l	550	0	<0.0028	0.005547	0
Pesticides (Malathion)	P052	µg/l	550	0	<0.005	0.006892	0
Pesticides (MCPA)	P054	µg/l	550	0	<0.0037	0.01749	0
Pesticides (MCPB)	P055	µg/l	550	0	<0.0039	<0.006399	0
Pesticides (MCPB(Mecoprop))	P053	µg/l	550	0	<0.0059	0.02645	0
Pesticides (Metalaxyl)	P209	µg/l	550	0	<0.0024	<0.0024	0
Pesticides (Pendimethalin)	P118	µg/l	550	0	<0.001	0.01398	0
Pesticides (Propazine)	P066	µg/l	550	0	<0.0009	0.002849	0
Pesticides (Propetamphos)	P069	µg/l	550	0	<0.0017	0.003298	0
Pesticides (Propyzamide)	P071	µg/l	550	0	<0.0037	0.014	0
Pesticides (Simazine)	P073	µg/l	550	0	<0.0017	0.004198	0
Pesticides (Triazophos)	P080	µg/l	550	0	<0.0026	<0.0026	0
Pesticides (Trichlopyr)	P131	µg/l	550	0	<0.0048	0.007594	0
Pesticides (Trietazine)	P132	µg/l	550	0	<0.0013	0.004	0
Pesticides (Trifluralin)	P081	µg/l	550	0	<0.0076	0.007943	0
Pesticides - Total Substances	B010	0.5 µg/l	550	0	0	0.11913	0
TOTAL	-	-	41051	6	-	-	-

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	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones with failures
Aluminium	A021	200 µg Al/l	2276	1	<2.2	60	1
Colour	A001	20 mg/l Pt/Co scale	2276	0	<0.88	2.9	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	2276	0	7.1	8.723	0
Iron	A022	200 µg Fe/l	2276	25	<4	214.6	19
Manganese	A023	50 µg Mn/l	2259	3	<0.27	15	2
Organoleptic Odour	A003	Dilution no. 3 at 25°C	1467	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	1467	4	0	0	4
Sodium	A009	200 mg Na/l	550	0	2.8	54.92	0
Turbidity	A002	4 NTUs	2276	1	<0.08	0.6761	1
TOTAL	-	-	17123	34	-	-	-

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	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium	A014	0.5 mg NH ₄ /l	2276	0	<0.026	0.06223
Chloride	D002A	250 mg Cl/l	550	0	4.8	76.49
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	2262	4	0	0
Coliform Bacteria	C001A	0 number/100 ml	6404	33	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	2278	n/a	0	97
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	2278	n/a	0	89
Conductivity	D001	2500 µS/cm	2276	0	130	890
Hydrogen ion (pH)	A006A	9.5 pH Value	2276	0	7.1	8.723
Residual Disinfectant - Free	C009	No abnormal change	6404	n/a	0.02	0.73
Residual Disinfectant - Total	C010	No abnormal change	6404	n/a	0.03	0.85
Sulphate	A007	250 mg SO ₄ /l	550	0	5.6	200
TOTAL	-	-	33958	37	-	-