

Data Summary Tables for Mid Kent Water (MKT)

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 MID KENT WATER PLC

Table MKT 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	227	0	<0.003	0.01772	0
TOTAL	-	-	227	0	-	-	-

Table MKT 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	2846	3	0	0	3
<i>E. coli</i>	C002	0 number/100 ml	2846	0	0	0	0
TOTAL	-	-	5692	3	-	-	-

Table MKT 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	2846	n/a	0	10
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	2846	n/a	0	14
Residual Disinfectant - Total	C010	No abnormal change	2846	n/a	0.11	0.67
Turbidity	A002A	1 NTU	2846	1	<0.11	0.3859
TOTAL	-	-	11384	1	-	-

Table MKT 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	3120	3	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	3120	1	0	0	1
TOTAL	-	-	6240	4	-	-	-

Table MKT 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	3120	n/a	0	>300
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	3120	n/a	0	108
Residual Disinfectant - Total	C010	No abnormal change	3120	n/a	0.04	0.36
TOTAL	-	-	9360	0	-	-

Table MKT 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
Pesticides (2,4,5-T)	P076	µg/l	96	0	<0.01	<0.01	0
Pesticides (2,4-D)	P020	µg/l	96	0	<0.01	0.02	0
Pesticides (Aldrin)	P002	µg/l	96	0	<0.003	<0.003	0
Pesticides (Alpha-HCH)	P003	µg/l	96	0	<0.01	<0.01	0
Pesticides (Atrazine)	P004	µg/l	96	0	<0.01	0.02	0
Pesticides (Bentazone)	P006	µg/l	96	0	<0.01	<0.01	0
Pesticides (Beta-HCH)	P007	µg/l	96	0	<0.01	<0.01	0
Pesticides (Bromoxynil)	P008	µg/l	96	0	<0.01	<0.01	0
Pesticides (Chlorothalonil)	P015	µg/l	96	0	<0.01	<0.01	0
Pesticides (Chlortoluron)	P014	µg/l	96	0	<0.01	0.03	0
Pesticides (Delta-HCH)	P022	µg/l	96	0	<0.01	0.03	0
Pesticides (Dicamba)	P025	µg/l	96	0	<0.01	0.01	0
Pesticides (Dichlobenil)	P098	µg/l	96	0	<0.01	0.01	0
Pesticides (Dichlorprop)	P026	µg/l	96	0	<0.01	<0.01	0
Pesticides (Dieldrin)	P028	µg/l	96	0	<0.003	<0.003	0
Pesticides (Diuron)	P032	µg/l	96	0	<0.01	0.02	0
Pesticides (Endosulfan A (alpha-Endosulfan))	P101	µg/l	96	0	<0.01	<0.01	0
Pesticides (Endosulfan B (beta-Endosulfan))	P102	µg/l	96	0	<0.01	<0.01	0
Pesticides (Endrin)	P034	µg/l	96	0	<0.01	<0.01	0
Pesticides (Fluroxypyr)	P040	µg/l	96	0	<0.01	0.01	0
Pesticides (Flutriafol)	P039	µg/l	96	0	<0.01	0.03	0
Pesticides (Gamma-HCH (Lindane))	P041	µg/l	96	0	<0.01	<0.01	0
Pesticides (Heptachlor)	P043	µg/l	96	0	<0.004	<0.004	0
Pesticides (Heptachlor epoxide)	P044	µg/l	96	0	<0.002	<0.002	0
Pesticides (Hexachlorobenzene)	P045	µg/l	96	0	<0.01	<0.01	0
Pesticides (Isoproturon)	P048	µg/l	96	0	<0.01	0.01	0
Pesticides (Linuron)	P051	µg/l	96	0	<0.01	<0.01	0
Pesticides (MCPA)	P054	µg/l	96	0	<0.01	0.06	0
Pesticides (MCPB)	P055	µg/l	96	0	<0.01	<0.01	0
Pesticides (MCPB(Mecoprop))	P053	µg/l	96	0	<0.01	0.04	0
Pesticides (Methabenzthiazuron)	P167	µg/l	96	0	<0.01	<0.01	0
Pesticides (Monuron)	P113	µg/l	96	0	<0.01	<0.01	0
Pesticides (op-DDD (TDE))	P114	µg/l	96	0	<0.01	<0.01	0
Pesticides (op-DDT)	P116	µg/l	96	0	<0.01	<0.01	0

Pesticides (Oxadixyl)	P154	µg/l	96	0	<0.01	<0.01	0
Pesticides (Pentachlorophenol)	P060	µg/l	96	0	<0.01	<0.01	0
Pesticides (Permethrin)	P119	µg/l	96	0	<0.01	<0.01	0
Pesticides (pp-DDD (TDE))	P123	µg/l	96	0	<0.01	<0.01	0
Pesticides (pp-DDE)	P124	µg/l	96	0	<0.01	<0.01	0
Pesticides (pp-DDT)	P125	µg/l	96	0	<0.01	<0.01	0
Pesticides (Prometryn)	P070	µg/l	96	0	<0.01	<0.01	0
Pesticides (Propazine)	P066	µg/l	96	0	<0.01	<0.01	0
Pesticides (Propyzamide)	P071	µg/l	96	0	<0.01	0.02	0
Pesticides (Simazine)	P073	µg/l	96	0	<0.01	0.03	0
Pesticides (Terbutryn)	P077	µg/l	96	0	<0.01	<0.01	0
Pesticides (Trichlopyr)	P131	µg/l	96	0	<0.01	0.02	0
Pesticides (Trietazine)	P132	µg/l	96	0	<0.01	<0.01	0
Pesticides (Trifluralin)	P081	µg/l	96	0	<0.01	<0.01	0
Pesticides - Total Substances	B010	0.5 µg/l	380	0	0	0.07	0
TOTAL	-	-	4988	0	-	-	-

Table MKT 7: 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)
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	52	0	0	0
Radioactivity - Gross Alpha	F004	0.1 Bq/l	96	0	<0.027	<0.1
Radioactivity - Gross Beta	F005	1 Bq/l	96	0	<0.042	<1
Radioactivity - Tritium	F006	100 Bq/l	96	0	<4	<40
TOTAL	-	-	340	0	-	-

Table MKT 8: 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
1,2 Dichloroethane	F001	3 µg/l	137	0	<0.1	<0.1	0
Antimony	B008A	5 µg Sb/l	140	0	<0.1	3.721	0
Arsenic	B001A	10 µg As/l	135	0	<0.2	0.7	0
Benzene	F002	1 µg/l	137	0	<0.1	<0.472	0
Benzo (a) Pyrene	D007	0.01 µg/l	133	0	0	0.001858	0
Boron	D005A	1 mg B/l	136	0	<0.026	0.16304	0
Bromate	F003	10 µg BrO ₃ /l	138	1	<0.8	11.026	1
Cadmium	B002	5 µg Cd/l	135	0	<0.1	<0.164	0
Chromium	B004	50 µg Cr/l	135	0	<1	14.64	0
Copper	A024A	2 mg Cu/l	136	0	<0.004	1.4965	0
Cyanide	B003	50 µg CN/l	136	0	<0.4	1.189	0
<i>E. coli</i>	C002	0 number/100 ml	1541	0	0	0	0
Enterococci	C003	0 number/100 ml	136	0	0	0	0
Fluoride	A027	1.5 mg F/l	136	0	0.06718	0.70957	0
Lead	B007A	25 µg Pb/l	145	0	<0.3	5.854	0
Mercury	B005	1 µg Hg/l	136	0	<0.03	0.0863	0
Nickel	B006A	20 µg Ni/l	136	0	<1	10.63	0
Nitrate	A012	50 mg NO ₃ /l	137	0	<0.728	34.43	0
Nitrite	A013A	0.5 mg NO ₂ /l	136	0	<0.003	0.06136	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	136	0	0.00999	0.6889	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	133	0	0	0.0232	0
Selenium	B009	10 µg Se/l	136	0	<0.7	5.782	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	137	0	0	0	0
Trihalomethanes (THMs)	D011	100 µg/l	137	0	0	55.362	0
Pesticides (2,4,5-T)	P076	µg/l	36	0	<0.01	0.01	0
Pesticides (2,4-D)	P020	µg/l	36	0	<0.01	0.01	0
Pesticides (Aldrin)	P002	µg/l	36	0	<0.003	<0.003	0
Pesticides (Alpha-HCH)	P003	µg/l	36	0	<0.01	<0.01	0
Pesticides (Atrazine)	P004	µg/l	36	0	<0.01	0.01	0
Pesticides (Bentazone)	P006	µg/l	36	0	<0.01	<0.01	0
Pesticides (Beta-HCH)	P007	µg/l	36	0	<0.01	<0.01	0
Pesticides (Bromoxynil)	P008	µg/l	36	0	<0.01	<0.01	0
Pesticides (Chlorothalonil)	P015	µg/l	36	0	<0.01	<0.01	0
Pesticides (Chlortoluron)	P014	µg/l	37	0	<0.01	0.03	0
Pesticides (Delta-HCH)	P022	µg/l	36	0	<0.01	0.01	0

Pesticides (Dicamba)	P025	µg/l	36	0	<0.01	<0.01	0
Pesticides (Dichlobenil)	P098	µg/l	36	0	<0.01	<0.01	0
Pesticides (Dichlorprop)	P026	µg/l	36	0	<0.01	<0.01	0
Pesticides (Dieldrin)	P028	µg/l	36	0	<0.003	<0.003	0
Pesticides (Diuron)	P032	µg/l	37	0	<0.01	0.02	0
Pesticides (Endosulfan A (alpha-Endosulfan))	P101	µg/l	36	0	<0.01	<0.01	0
Pesticides (Endosulfan B (beta-Endosulfan))	P102	µg/l	36	0	<0.01	<0.01	0
Pesticides (Endrin)	P034	µg/l	36	0	<0.01	<0.01	0
Pesticides (Fluroxypyr)	P040	µg/l	36	0	<0.01	<0.01	0
Pesticides (Flutriafol)	P039	µg/l	36	0	<0.01	0.02	0
Pesticides (Gamma-HCH (Lindane))	P041	µg/l	36	0	<0.01	<0.01	0
Pesticides (Heptachlor)	P043	µg/l	36	0	<0.004	<0.004	0
Pesticides (Heptachlor epoxide)	P044	µg/l	36	0	<0.002	<0.002	0
Pesticides (Hexachlorobenzene)	P045	µg/l	36	0	<0.01	<0.01	0
Pesticides (Isoproturon)	P048	µg/l	37	0	<0.01	<0.01	0
Pesticides (Linuron)	P051	µg/l	37	0	<0.01	<0.01	0
Pesticides (MCPA)	P054	µg/l	36	0	<0.01	0.02	0
Pesticides (MCPB)	P055	µg/l	36	0	<0.01	<0.01	0
Pesticides (MCPB(Mecoprop))	P053	µg/l	36	0	<0.01	0.04	0
Pesticides (Methabenzthiazuron)	P167	µg/l	37	0	<0.01	<0.01	0
Pesticides (Monuron)	P113	µg/l	37	0	<0.01	<0.01	0
Pesticides (op-DDD (TDE))	P114	µg/l	36	0	<0.01	<0.01	0
Pesticides (op-DDT)	P116	µg/l	36	0	<0.01	<0.01	0
Pesticides (Oxadixyl)	P154	µg/l	36	0	<0.01	<0.01	0
Pesticides (Pentachlorophenol)	P060	µg/l	36	0	<0.01	<0.01	0
Pesticides (Permethrin)	P119	µg/l	36	0	<0.01	<0.01	0
Pesticides (pp-DDD (TDE))	P123	µg/l	36	0	<0.01	<0.01	0
Pesticides (pp-DDE)	P124	µg/l	36	0	<0.01	<0.01	0
Pesticides (pp-DDT)	P125	µg/l	36	0	<0.01	<0.01	0
Pesticides (Prometryn)	P070	µg/l	36	0	<0.01	<0.01	0
Pesticides (Propazine)	P066	µg/l	36	0	<0.01	<0.01	0
Pesticides (Propyzamide)	P071	µg/l	36	0	<0.01	0.01	0
Pesticides (Simazine)	P073	µg/l	36	0	<0.01	0.03	0
Pesticides (Terbutryn)	P077	µg/l	36	0	<0.01	<0.01	0
Pesticides (Trichlopyr)	P131	µg/l	36	0	<0.01	<0.01	0
Pesticides (Trietazine)	P132	µg/l	36	0	<0.01	<0.01	0
Pesticides (Trifluralin)	P081	µg/l	36	0	<0.01	<0.01	0
Pesticides - Total Substances	B010	0.5 µg/l	145	0	0	0.0508	0
TOTAL	-	-	6559	1	-	-	-

Table MKT 9: 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	170	0	<5	27.06	0
Colour	A001	20 mg/l Pt/Co scale	300	0	<0.9	3.099	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	307	0	7.1	8.4992	0
Iron	A022	200 µg Fe/l	317	3	<13	207.36	3
Manganese	A023	50 µg Mn/l	236	0	<1	16.63	0
Organoleptic Odour	A003	Dilution no. 3 at 25°C	300	0	0	1	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	300	0	0	0	0
Sodium	A009	200 mg Na/l	137	0	8.38	135.54	0
Tetrachloromethane	D008	3 µg/l	137	0	<0.3	<0.3	0
Turbidity	A002	4 NTUs	585	0	<0.11	0.8028	0
TOTAL	-	-	2789	3	-	-	-

Table MKT 10: 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	300	0	<0.02	0.0997
Chloride	D002A	250 mg Cl/l	137	0	16	89.82
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	236	0	0	0
Coliform Bacteria	C001A	0 number/100 ml	1541	5	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	585	n/a	0	>300
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	585	n/a	0	145
Conductivity	D001	2500 µS/cm	301	0	347.06	823.96
Hydrogen ion (pH)	A006A	9.5 pH Value	307	0	7.1	8.4992
Radioactivity - Gross Alpha	F004	0.1 Bq/l	36	1*	<0.027	0.18
Radioactivity - Gross Beta	F005	1 Bq/l	36	0	<0.042	<1
Radioactivity - Tritium	F006	100 Bq/l	36	0	<4	<40
Residual Disinfectant - Total	C010	No abnormal change	1540	n/a	<0.04	0.58
Sulphate	A007	250 mg SO ₄ /l	136	0	6	99.56
Total Organic Carbon (TOC)	A017	No abnormal change	136	n/a	0.3	3.626
TOTAL	-	-	5912	6	-	-

* requires more specific analysis to determine the source and type of radioactivity (Total Indicative Dose).