

Data Summary Tables for Veolia Water East (VEA)

These tables contain a summary of results of monitoring undertaken by the water company in 2010 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 2010'.

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 7 July 2011
Drinking Water Inspectorate
Area 4a
Ergon House
Horseferry Road
London
SW1P 2AL

Enquiries : 030 0068 6400

Viewing Site Summary Data for Veolia Water East

Report Date Range: For the whole year 2010

Table VEA 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 ₂ /l	17	0	< 0.005	< 0.008	0
Totals:			17	0			

Table VEA 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	468	0	0	0	0
E Coli	C002	0 number/100 ml	468	0	0	0	0
Totals:			936	0			

Table VEA 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	467	n/a	0	250
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	468	n/a	0	5
Residual Disinfectant - Total	C010	No abnormal change	468	n/a	0.1	0.41
Turbidity (Indicator)	A002A	1 nephelometric turbidity units	468	0	0.0468	0.2596
Totals:			1,871	0		

Table VEA 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	363	0	0	0	0
E Coli	C002	0 number/100 ml	363	0	0	0	0
Totals:			726	0			

Table VEA 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	363	n/a	0	34
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	363	n/a	0	3
Residual Disinfectant - Total	C010	No abnormal change	363	n/a	< 0.02	0.4772
Totals:			1,089	0		

Table VEA 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	32	0	< 0.1	< 0.1	0
Antimony	B008A	5 µg Sb/l	32	0	0.302	0.537	0
Arsenic	B001A	10 µg As/l	32	0	< 1	< 1	0
Benzene	F002	1 µg/l	32	0	< 0.01	< 0.01	0
Benzo (a) Pyrene	D007	0.01 µg/l	32	0	< 0.0005	0.0005	0
Boron	D005A	1 mg B/l	32	0	< 0.1	0.12	0
Bromate	F003	10 µg BrO3/l	32	0	< 0.5	4.8	0
Cadmium	B002	5 µg Cd/l	32	0	< 0.2	< 0.2	0
Chromium	B004	50 µg Cr/l	32	0	< 2	< 2	0
Copper	A024A	2 mg Cu/l	32	0	< 0.01	0.546	0
Cyanide	B003	50 µg CN/l	32	0	< 3	3	0
E Coli	C002	0 number/100 ml	408	0	0	0	0
Enterococci	C003	0 number/100 ml	32	0	0	0	0
Fluoride	A027	1.5 mg F/l	32	0	0.204	0.784	0
Lead	B007A	25 µg Pb/l	32	0	< 1	11.7	0
Mercury	B005	1 µg Hg/l	32	0	< 0.1	< 0.1	0
Nickel	B006A	20 µg Ni/l	32	0	2.99	11.9	0
Nitrate	A012	50 mg NO3/l	32	0	2.4	35.8	0
Nitrate/Nitrite Formula	A013C	1 mg NO2/l	32	0	< 0.048	< 0.716	0
Nitrite (Consumers tap)	A013A	0.5 mg NO2/l	32	0	< 0.008	< 0.008	0
Pesticides - Total Substances	B010	0.5 µg/l	32	0	0	0.119	0
Pesticides 2,4-D	P020	0.1 µg/l	32	0	< 0.008	0.015	0
Pesticides Atrazine	P004	0.1 µg/l	32	0	< 0.007	0.032	0
Pesticides Bentazone	P006	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides Carbetamide	P010	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides Chlortoluron	P014	0.1 µg/l	32	0	< 0.007	< 0.007	0
Pesticides Clopyralid	P018	0.1 µg/l	32	0	< 0.008	0.064	0
Pesticides Cyanazine	P092	0.1 µg/l	32	0	< 0.007	< 0.007	0
Pesticides Dicamba	P025	0.1 µg/l	32	0	< 0.007	< 0.007	0
Pesticides Dichlorprop	P026	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides Diuron	P032	0.1 µg/l	32	0	< 0.006	< 0.006	0
Pesticides Fluroxypyr	P040	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides Isoproturon	P048	0.1 µg/l	32	0	< 0.006	< 0.006	0
Pesticides Linuron	P051	0.1 µg/l	32	0	< 0.009	< 0.009	0
Pesticides MCPA	P054	0.1 µg/l	32	0	< 0.008	< 0.008	0

Pesticides MCPB	P055	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides Metaldehyde	P226	0.1 µg/l	16	0	0.021	0.063	0
Pesticides Simazine	P073	0.1 µg/l	32	0	< 0.008	0.011	0
Pesticides Trietazine	P132	0.1 µg/l	32	0	< 0.008	< 0.008	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	32	0	0	0.0009	0
Selenium	B009	10 µg Se/l	32	0	< 1	2.36	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	32	0	0	0	0
Total Trihalomethanes	D011	100 µg/l	32	0	11.67	53.89	0
Totals:			1,768	0			

Table VEA 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	76	0	< 5	5.27	0
Colour	A001	20 mg/l Pt/Co scale	82	0	< 1	1.4	0
Iron	A022	200 µg Fe/l	76	0	< 15	143	0
Manganese	A023	50 µg Mn/l	76	0	< 2	8.81	0
Organoleptic Odour	A003	0 Dilution number	82	0	0	0	0
Organoleptic Taste	A004	0 Dilution number	82	0	0	0	0
Sodium	A009	200 mg Na/l	32	0	38	75	0
Tetrachloromethane	D008	3 µg/l	32	0	< 0.12	< 0.12	0
Turbidity	A002	4 nephelometric turbidity units	164	0	0.05	0.628	0
Totals:			702	0			

Table VEA 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 ₄ /l	82	0	< 0.04	< 0.04
Chloride (Indicator)	D002A	250 mg Cl/l	32	0	63	112
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	76	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	408	2	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	164	n/a	0	349
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	164	n/a	0	325
Conductivity (Indicator)	D001	2500 µS/cm	164	0	655.75	825.6
Hydrogen ion (pH)	A006	6.5 - 9.5 pH Value	164	0	7.065	7.8
Residual Disinfectant - Total	C010	No abnormal change	408	n/a	< 0.02	0.22
Sulphate (Indicator)	A007	250 mg SO ₄ /l	32	0	68	138
Total organic carbon (indicator)	A017	No abnormal change	32	n/a	1.3	4.6
Totals:			1,726	2		