

Water Quality Summary Report

Period:	From	1 st January 2020	To	31 st December 2020
Zone Name:	Rosewood Park, Barnhorn Road, Bexhill			
Zone Reference	ZBSE01			

Parameter name	Units	Samples taken	< or >	Min	Mean	< or >	Max	Regulatory Limit or Range	No of Failures
Colour	mg/l Pt/Co	3	<	2.9	2.9	<	2.9	20	0
Turbidity	NTU	3	<	0.13	0.15		0.18	4	0
Odour	No.	3		0	0		0	1	0
Taste (Taste Quant)	No.	3		0	0		0	1	0
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	pH value	3		7.71	7.88		7.97	6.5(min) to 9.5(max)	0
Sulphate	mg/l SO4	3		34.8	46.9		67.3	250	0
Sodium (Total)	mg/l Na	3		33.3	46.7		63.5	200	0
Nitrate (Total)	mg/l NO3	3		5.52	6.78		8.48	50	0
Nitrite - Consumer's Taps	mg/l NO2	3	<	0.002	0.002	<	0.002	0.5	0
Nitrite/Nitrate formula	mg/l	3		0.11	0.14		0.17	1	0
Ammonium (Total)	mg/l NH4	3	<	0.004	0.007	<	0.008	0.5	0
Total Organic Carbon	mg/l C	3		1.3	2.0		2.6	-	0
Aluminium (Total)	µg/l Al	3	<	14.4	22.0		33.9	200	0
Iron (Total)	µg/l Fe	3		8.69	12.10		16.00	200	0
Manganese (Total)	µg/l Mn	3		0.42	0.93		1.19	50	0
Copper (Total)	mg/l Cu	3		0.0004	0.0118		0.034	2	0
Fluoride (Total)	mg/l F	3		0.05	0.07		0.09	1.5	0
Arsenic (Total)	µg/l As	3		0.15	0.17		0.19	10	0
Cadmium (Total)	µg/l Cd	3	<	0.03	0.03	<	0.03	5	0
Cyanide (Total)	µg/l CN	3	<	5.5	5.5	<	5.5	50	0

Chromium (Total)	µg/l Cr	3	<	0.18	0.18	<	0.18	50	0
Mercury (Total)	µg/l Hg	3	<	0.06	0.06	<	0.06	1	0
Nickel (Total)	µg/l Ni	3		1.23	1.61		2.21	20	0
Lead (10)	µg/l Pb	3	<	0.04	0.05		0.07	10	0
Antimony	µg/l Sb	3	<	0.07	0.08		0.1	5	0
Selenium (Total)	µg/l Se	3	<	0.32	0.32	<	0.32	10	0
Pesticides (Total by Calculation)	µg/l	3		0	0		0	0.5	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	µg/l	3		0	0		0	0.1	0
Coliform Bacteria (Indicator)	No. /100ml	11		0	0		0	1	0
E.Coli (faecal coliforms Confirmed)	No. /100ml	11		0	0		0	1	0
Enterococci (Confirmed)	No. /100ml	3		0	0		0	1	0
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	No. /100ml	3		0	0		0	1	0
Colony Counts After 3 Days At 22øc (Colony Counts)	Count/ml at 22øc	3		0	18		47	-	0
Residual Disinfectant - Total	mg/l	11		0.22	0.52		0.75	-	0
Colony Counts After 48 Hours At 37øc (Colony Counts)	Count/ml at 37øc	3		0	6		17	-	0
Conductivity (Electrical Conductivity)	µS/cm @ 20 °C	3		314	416		475	2500	0
Chloride	mg/l C	3		48	53		57.3	250	0
Boron	mg/l B	3	<	0.032	0.059		0.094	1	0
Benzo[a]Pyrene (Total)	µg/l	3	<	0.0006	0.0006	<	0.0006	0.01	0
Tetrachloromethane (Total)	µg/l	3	<	0.13	0.13	<	0.13	3	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	µg/l	3		0	0		0	10	0
Trihalomethanes (Total by Calculation)	µg/l	3		45	50		57.68	100	0
1,2 Dichloroethane (Total)	µg/l	3	<	0.16	0.16	<	0.16	3	0
Benzene (Total)	µg/l	3	<	0.09	0.09	<	0.09	1	0
Bromate	µg/l BrO3	3		0.67	0.95		1.2	10	0
Carbetamide	µg/l	3	<	0.008	0.008	<	0.008	0.1	0

2 4-D (Total)	µg/l	3	<	0.012	0.012	<	0.012	0.1	0
Dieldrin (Total)	µg/l	3	<	0.005	0.005	<	0.005	0.03	0
Heptachlor (Total)	µg/l	3	<	0.004	0.004	<	0.004	0.03	0
MCPP(Mecoprop) (Total)	µg/l	3	<	0.009	0.009	<	0.009	0.1	0
MCPA (Total) 4-chloro-o-tolyloxyacetic acid	µg/l	3	<	0.012	0.012	<	0.012	0.1	0
Triclopyr (Total)	µg/l	3	<	0.028	0.028	<	0.028	0.1	0
Metaldehyde	µg/l	3	<	0.006	0.007	<	0.007	0.1	0

Commentary on Water Quality

All the samples collected from this zone to date have complied with the Water Supply (Water Quality) Regulations 2016. One undertaking currently applies to this water supply zone. Undertaking ICW-2020-00003 in relation to metaldehyde in the bulk supply provided. This scheme is progressing according to the action plan. No authorised departures currently apply to this water supply zone.

Additional Water Quality Information

The supply to this area is from ground water treated at Hazards Green and Sweet Willow Wood Water Treatment Works. These works are owned and operated by South East Water. As part of the treatment process phosphate is dosed for plumbosolvency control. Icosa Water take a bulk supply of water from South East Water with the connection point occurring in South East Water's Standard Hill supply zone. This water is transported via Icosa Waters publicly regulated water supply network to supply the development at Rosewood Park, Barnhorn Road, Bexhill.

Water Hardness Information

Hardness Classification	Moderately Soft
Calcium Carbonate (CaCO₃)	93 ppm
Calcium	37 ppm
Degrees Clark	6.5
Degrees French	9.3
Degrees German	5.2
Millimoles per litre	0.9