

## Circular 080-2024

04 October 2024

Dear Residents,

### VILLAGE WATER QUALITY AND HARDNESS:

As you might be aware, Alveo sends water away to an independent laboratory every two weeks to ensure the water quality produced by the Water Treatment plant. While total hardness does not have a specified limit according to SANS 241, the target value is 180mg/L.

Alveo has over the past year introduced various initiatives to reduce the hardness of the water treatment plant water. The latest September 2024 water report confirms that the hardness is now way below the target value. (See below)

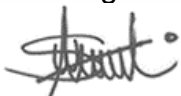


## Broadacres Service Report September 2024

Key Parameter analysis:

Parameter	Limits	08-Feb-24	11-Apr-24	24-May-24	07-Jun-24	26-Jul-24	27-Aug-24	11-Sep-24
pH @ 25C	≥ 5 To 9,5	7,7	7,9	7,5	7,8	7,7	7,6	7,4
EC @ 25 C (mS/m)	≤ 170	70,3	73,5	65,7	50,7	62,3	66,8	47,3
Colour (mg/L)	≤ 15	1	4	1	3	3	1	1
Turbidity (NTU)	≤ 1 or ≤ 5	0,2	0,2	0,1	0,3	0,4	0,2	0,2
Free Residual Chlorine as CL <sub>2</sub> (mg/L)	≤ 5	≤ 0,1	≤ 0,1	0,1	0,1	≤ 0,1	0,2	≤ 0,1
Total Coliform Bacteria (count per 100 mL)	≤ 10	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	1
E. coli (count per 100 mL)	0	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1
Heterotrophic Plate Count (count per mL)	≤ 1000	9300↓	27	10	39	80	≤ 10	470
Total Hardness as CaCO <sub>3</sub> (mg/L)		225,1	260,4	247	189	243	272,2	164

Kind regards,



**Wilma Swart**  
Village Manager