

Kiltiernan Water Scheme Co Op Society Ltd

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Caheradoo,
Kilcolgan,
County Galway.

Aidan & Aisling Dillon,
Tonroe,
Ardrahan,
Co Galway.

12th March 2014

Dear Mr & Ms Dillon,

Please find enclosed test results from the water sample taken from your house on 27th February.

I also enclose results from a water sample taken from Kiltiernan School on the same day.

You will notice that it states on the result print out that the water sample taken from your house is soft water and the sample from the school is hard water. The water sample from your house must have gone through a softener. The Sodium (Na) level in the softened water is seven times higher than the other sample.

The following is a summary of the water treatment provide by Glan Agua under contract.

Source	Pre-Oxidation /Chemical Conditioning	Solids Removal	Tertiary Treatment	Disinfection	Issue
Borehole At Kiltiernan	Sodium Hypochlorite Contact tanks x 2 Permanganate (for Mn removal) Coagulant	5 x Multimedia Pressure filters Crushed basalt,sand 1000mm media height	3 x GAC filters Reverse Osmosis	UV 4 X 200 Chlorination	Colour Turbidity Aluminium Iron Manganese

The chemicals used at Kiltiernan WTP are:

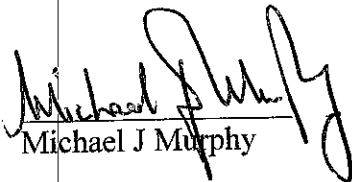
- Potassium Permanganate – this is to oxidise iron, aluminium and manganese metals present in the water,
- liquid chlorine for the disinfection purposes.

The chlorine residual that is required at the treatment plant is 0.2 to 0.7 mg/litre.

The chlorine level in the sample taken from the school is 0.25 mg/litre, which is on the lower end of the scale. The chlorine level in the sample taken from your house (0.06 mg/litre) is probably reduced by the softener.

Both samples comply with the drinking water regulations.

Yours sincerely,


Michael J Murphy