



PUBLIC NOTICE – WATER QUALITY

A notice that was issued on the 06 April 2016 is the reference to this communication.

Amatola Water Scientific laboratory conducted analysis of the samples that were taken from various points on the reticulation.

Results indicated high content of Iron and Manganese which is the results of staining the linen, black water on the pools and stains on the tiles e.t.c.

Below are the results form the sampling points.

Samples	µg/l	Chronic Health ≤400 µg/l	Aesthetic ≤100 µg/l
Durban Cottage	1202		
Lower Reservoir	535		
Sunnyside Garden	144		
Mother Pike House	107		
Guest House	208		
Legal Reservoir	196		
Apple Bee Cottage	223		

According to DWS Quality of Domestic Water Supplies Volume 1:Assessment Guide page 85.

- 1000 to 4000 µg/l - Slight health risk to sensitive groups only, off-putting taste and colour, severe staining of clothes and fixtures
- 400 to 1000 µg/l - Slight health risk to sensitive groups only, increasing taste and colour, pale tea brown discolouring of water, moderate staining of clothes
- 100 to 400 µg/l - Insignificant effects on health, increase taste and colour, pale tea brown discolouring of water, moderate staining of clothes
- ≤100 µg/l - No Problems

There are many things that can cause high manganese and Iron ranging from repairing of pipeline, water from boreholes entering into the system. Further investigations are still underway. It has however been suggested that the cause of this high turbidity scourge is caused by the reservoirs getting drained due to the high demands experienced in the areas fed by the Waainek Water Scheme. For instance, todays levels are as follows; High Level – 1%, Intermediate Level – 48%, and the Low Level – 15%.

From the analysis completed, the advise from the lab is that we require to clean all our reservoirs and flush all the reticulation as most of these points are on the reticulation.

We are currently unable to decommission the reservoirs due to the demand versus supply problem. We are further in the process of commissioning motor No.1 which we believe will produce more water than the current running motor and we will then meet the demand and be able to attend to the operational issues.

The cleaning of the sedimentation tanks has been completed and cleaning of the 1st reservoir will be done before the end of May 2016 as to be combined with the planned shutdown for installation of a bulk meter.

The reticulation system is continuously being flushed regularly.

Residents are therefore assured that the high turbidity experiences in water does not pose a health hazard to humans but at most causes brown stains especially to clothes.

The municipality therefore request the residents, as a precautionary measure to hard boil the water before drinking.

Furthermore, residents are requested to allow water to settle before doing laundry to avoid staining of their clothes as that cannot be mitigated by the boiling of water.



MS. M.J. MEIRING
ACTING MUNICIPAL MANAGER
