



ABBERFIELD

ESTD. - **GROUP** - 1968

Abberfield's Water Filling Stations communicate by the cellular phone network, previously 3G and now 4G. The data transmitted is very small and for Water Filling Stations 4G provides little advantage, but has some disadvantages. The higher the G rating the smaller the wireless coverage from the transmitting tower and consequently the greater the number of towers needed for the same coverage.

This explains why rural communities pushed back against the removal of the previous CDMA system (Code-Division Multiple Access), otherwise called 2G.

It also explains why during the northern NSW storms and floods 3G communication continued, whilst 4G failed, and why 3G has been Abberfield's preferred carrier for Water Filling Stations.

But 4G gives faster communication and greater utilisation of the transmitting frequencies available, necessary for modern internet, social media and telephone usage. And therefore, when Telstra build enough extra towers 3G will cease

WATER FILLING STATIONS 3G TO 4G UPGRADE

to exist. The proposed changeover schedule is June 2024, starting with city installations, before changing to rural installation.

This will mean many of the Abberfield Water Filling Stations will need to be updated, which can be achieved in several ways. The simplest and least expensive is for customers to unplug the electronic controller and return this to Abberfield, who change the card reader and the two 3G modems, then return the controller for reinstallation.

Another is for Abberfield to visit the sites and implement the upgrade.

'Abberfield have stocks ready and two mobile workshops to travel to sites to upgrade Water Filling Stations'

One possibility is to take advantage of the system change and include some or all of the latest Filling Station capabilities.

This will provide an ever more rugged and reliable outcome, particularly for solar operated sites.

Again, how much of the Filling Station is upgraded, how is it done and at what cost? Again, much can be done by return of the controller or by a site visit and a number of upgrade options are available. Even a full refurbishment of the Water Filling Stations, including some mechanical and plumbing parts is offered, complete with an as-new warranty.

To ensure that Abberfield can satisfy the best interests of all customers, considerable material stocks already exist and Abberfield have two mobile workshops able to travel as may be required.

[Contact Abberfield for the option details...](#)

