# BETTER WATER AND MORE OF IT WITH HEXA-COVER®

**Hexa-Cover® at Omeo WTP – The Results Are In!**



**Hexa-Cover® at Omeo WTP Raw Water Storage Reservoir**

In June 2017 East Gippsland Water installed Hexa-Cover® modular covers on the raw water reservoir at Omeo water treatment plant, with the aim of controlling algae which was sometimes carried in from the water source.

This was achieved with great success, making the water easier to treat and eliminating the regular emptying and cleaning of the reservoir which was previously required. More details of the installation can be found in the February 2020 edition of Operator.

To quantify the effect of the Hexa-Cover®, thorough testing of water from the reservoir continued and was compared with results from the 2 years prior to installation.

The effects are described and quantified by East Gippsland Water as follows:

| Measured Parameter | Effect |
|---|---|
| Total Biovolume | 95% Reduction |
| Potentially Toxic Biovolume | 98% Reduction |
| E.coli | 89% Reduction |
| Coliforms | Dramatic Reduction |
| Turbidity | 57% Reduction |
| pH | Less variation |
| Water Temperature | Negligible Effect |

The hexagonal tiles float freely on the water surface and arrange themselves in a grid that self-compensates for different reservoir shapes and varying water levels. The small size of the tile is an effective deterrent to waterfowl (leading to reduction of E.coli). Up to 99% coverage of the surface area can be achieved, resulting in reduced evaporation, reduced contamination (from multiple sources), improved water quality and reduced operational & maintenance costs.

For further information please contact Paulus des Anges (Earth, Water & Infrastructure) on 0484 220 956 or email paulus@e-wi.com.au or website www.e-wi.com.au

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