



**Qponics Limited,**  
ABN 84 149 001 678  
Level 1, 7 Clunies Ross Court,  
Brisbane Technology Park,  
Eight Mile Plains  
QLD 4113, AUSTRALIA  
Tel: +61 (0)7 3188 9086  
PO Box 4526, Eight Mile Plains, QLD 4113, Australia

### Qponics Update 30 January 2019

#### Progress on the upgrade of the pilot algae farm in Brisbane into a small-scale production facility



The small ultrafiltration system continues to be assembled by our supplier in the Netherlands. The latest photograph provided (at left) shows the frame and the filtrate tank installed together with two pumps. The control panel and the filtration modules will be installed in February with shipment to Qponics expected at the end of that month. A large specialised algae centrifuge is expected to be purchased and installed in February.

The ultrafiltration system and the centrifuge will be installed within a 15m x 7m shed. The earthworks for the shed site are completed, including the retaining wall to protect the slope, and the slab for the shed has been poured (image below). Concrete pathways for motorised entry and exit into and out of either end of the shed are also poured.

The 22kW solar panels, 40kW

storage batteries and power outlets will be installed after the shed is erected in early February. This will have a peak output of 30kW, which is anticipated to be required for the centrifuge during start-up and during algal paste ejections.

The structural walls of the new 65m x 12m pond were in place in December and the tear-drop section at one end of the centre wall with the curved part constructed from marine ply, is also completed (image below). A concrete slab has been laid in the floor of the pond where the paddlewheel is to be



installed, between the tear-drop and the block wall in the image at left. The geotextile underlay and the new pond line designed to Qponics specifications will be installed in early February.

Brackish water will be pumped from the Brisbane River through a sand filter and stored in one of the three 43.6kL water tanks (image at left). The other two tanks will store ultra-filtered river water prior to use and during processing.

The algae farm upgrade is expected to be operational in March.

These activities are supported by Qponics' \$1 million Cooperative Research Centre Project grant.

**Graeme Barnett**  
Chief Executive Officer and Managing Director