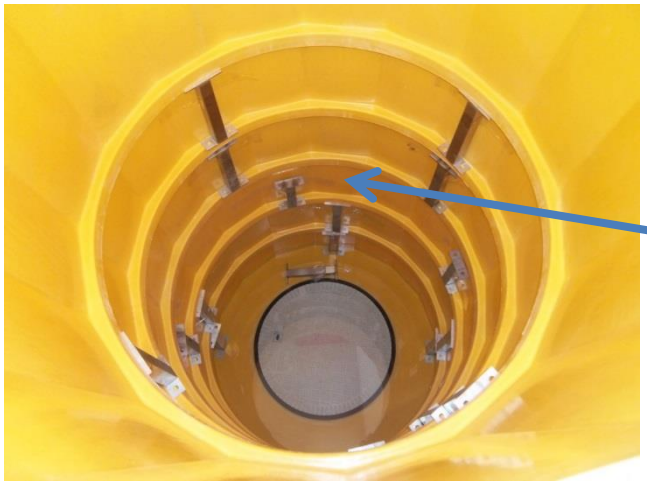
Water Ingress Resistance Test on FL600 Cover

Water Ingress Resistance:

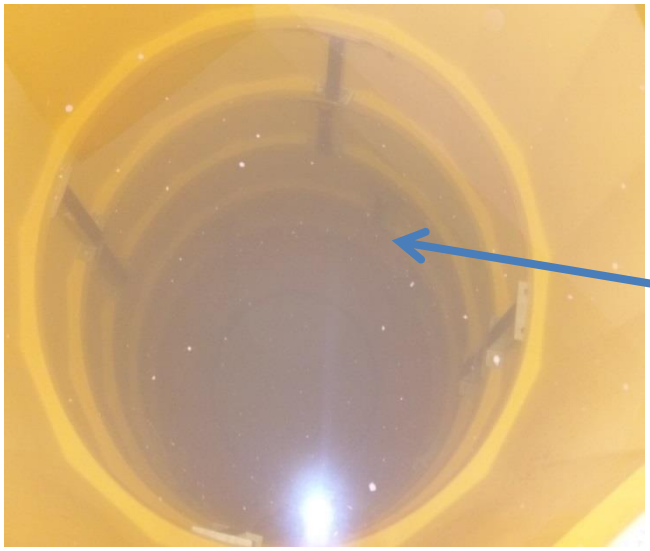
A water reservoir was created over the sealing arrangement of the FL600 access cover to a depth of 3500 +/- 5 mm for a period of 4 weeks

FL600 cover and frame inset into the base of a GRP sump for testing purposes

Test ump extended to achieve a water column of 3.5m



View from inside the extended test sump



View from inside the extended test sump with the FL600 cover sealing arrangement under 3.5m head of water

Drip tray in position to collect any leakage

Results of Test:

The column of water acting on the cover and sealing arrangement was 1,308.7 Litres (345 US Gallons). The water pressure acting on the cover and sealing arrangement was calculated to be 2,884 Ibf, which equated to 4.977 psi (34 kPa).

Over the 4 week monitoring period a very small intermittent weep was detected at the interface of the key housing casting and surrounding cover material. The drip tray was emptied on a daily basis and the total leakage of water for the 4 week period was recorded at 0.280 Litres (280ml).

D. Holmes 28/2/13

Technical Director