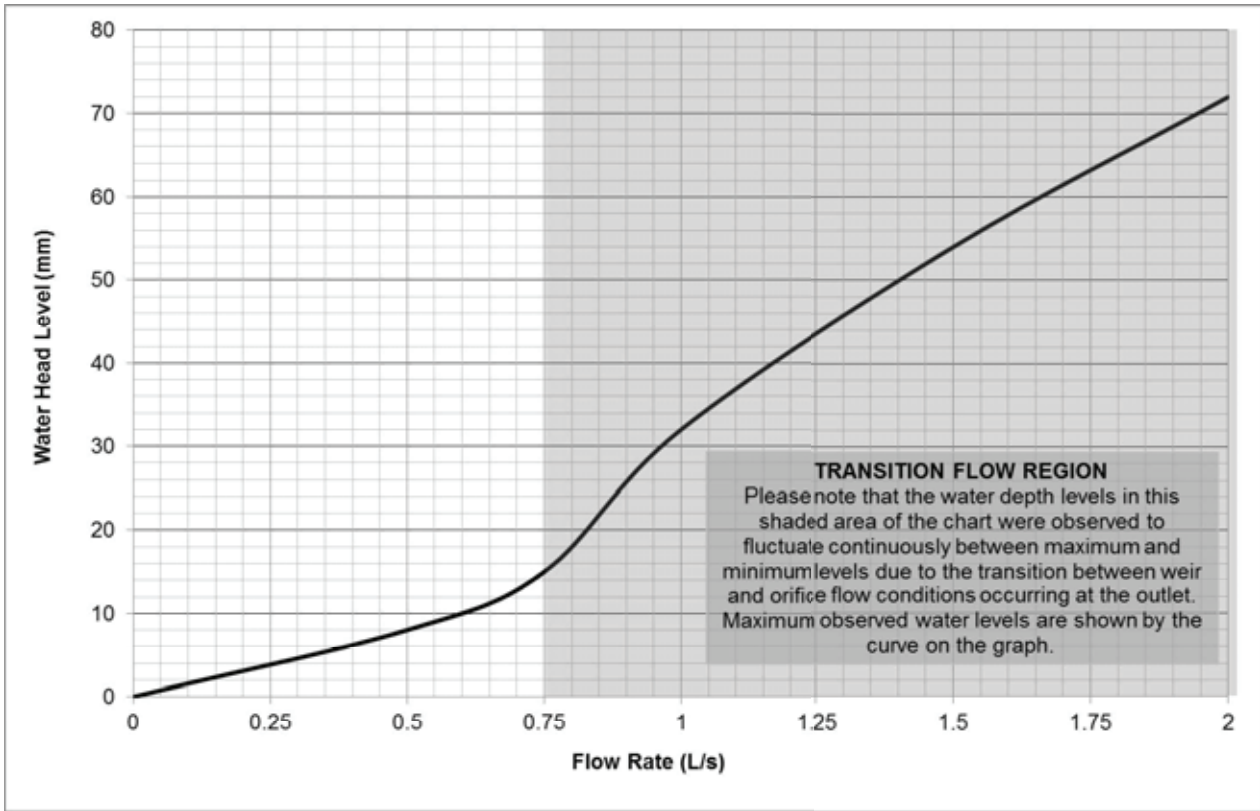


**Flow Characteristic Curve - Q100/80SR**



Weir Flow – 0.75 L/s (14 mm)



Orifice Flow – 1.5 L/s (50 mm)

**Observation Comments:**

- Flow rates from 0 - 0.75 L/s (14 mm Head) produced a linear characteristic curve.
- At 1.0 L/s the weir flow transitioned to orifice flow conditions.
- Flow rates between 1.0 - 2.0 L/s were observed to fluctuate between weir and orifice conditions. The maximum stable water level achieved was 70 mm at a flowrate of 2.0L/s. Increasing the flowrate beyond this value caused the tank to surcharge.
- The maximum flow limit to maintain weir flow conditions was 0.75 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,  
Chief Researcher:



Mark Alexander,  
AHSCA Foundation Chairman:



Date: 16<sup>th</sup> November 2016

Date: 16<sup>th</sup> November 2016