

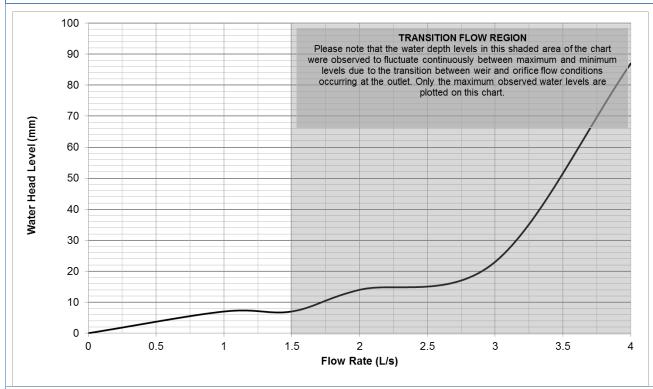
## OUTLET PERFORMANCE CERTIFICATE ID: SPS028 - TIA80/90D2

Tool Doorling	ID. CDCCCC
Test Results ID: SPS028	
Description	SPS Truflo 90 <sup>0</sup> RWO
Drain Type	Dome Grate and Membrane Clamp
Model	TIA80/90D2
Outlet Size	80NB
Test Date	28/09/2016
Grate Drawing	Membrane ring fastens to body independently of grate to allow access to sump without breaking membrane seal.  SPS Catalogue Ref: 1.08
Housing Drawing	Integral puddle flange with weep holes 4 x places  Membrane  Membrane  Outside edge of 100mm PVC
Drain Pipe Configuration	O-ring connection was not possible due to 90 Degree housing outlet close proximity to tank frame. An alternative configuration of open outlet and flexible lay flat hose was utilised.

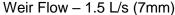


## Association of Hydraulic Services Consultants Australia – Research Foundation

## Flow Characteristic Curve - TIA80/90D2









Surcharged Flow 3 L/s (20mm)

## **Observation Comments:**

- Flow rates from 0-1.5 L/s (7mm Head) produced a flat characteristic curve with stable water head levels.
- At 2.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 3.0 4.0 L/s the flow surcharged with the water head rising rapidly to 90mm.
- The maximum flow limit to maintain weir flow conditions is 1.5 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