**Queensland Water Directorate (*qldwater*)** ***e-*flash**

**Information for Water Industry Managers and Practitioners in the Queensland Water Industry**

**(Issue #300 –  2 November 2016)**

**1.****Waterval RO Validation Protocol**

# **2.   IWC Water Leadership Program**

**3.   QUICK LINKS – ASSOCIATED ORGANISATIONS EVENTS & ANNOUNCEMENTS**

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~**

**1.****Waterval RO Validation Protocol**

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~**

Stakeholder comment is being sought on the Waterval RO validation protocol on Reverse osmosis and nanofiltration.

Reverse osmosis (RO) and nanofiltration (NF) membranes are widely recognised as being capable of achieving high log reductions values (LRVs) for pathogens, including viruses, bacteria and protozoa. However, the performance of individual RO/NF systems can vary significantly, and high LRVs cannot be arbitrarily credited to any system. Instead, each RO/NF membrane treatment process should be systematically validated to determine its associated LRV.

This protocol has been prepared as part of WaterVal to provide a method for validating RO/NF spiral wound membranes by focusing on the removal of viruses.  The document is consistent with the WaterVal Validation *Protocol template* (AWRCE 2015), which provides a recommended approach to validation.

Our members are encouraged review and provide comment on this document which is available [on our website](http://www.qldwater.com.au/ReviewDocuments).

Comments should be returned to Alan Kleinschmidt via email ([alankleinschmidt@iprimus.com.au](mailto:alankleinschmidt@iprimus.com.au)) and should be received by COB on Friday 4th November 2016.

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~**

# **2.   IWC Water Leadership Program**

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~**

The International WaterCentre (IWC) Water Leadership Program helps emerging leaders to develop the abilities they need to exert influence, drive change and advance challenging integrated water management projects.

Designed for emerging water leaders at the project to middle management level, this program is customised for the water sector through sound research and collaboration with experienced industry practitioners.   The program focuses on helping leaders build the leadership abilities (e.g. skills, knowledge and networks), to manage complex challenges, as well as collaborate and exert influence across organisational boundaries. The program runs for nine months, from 1 December to 31 August and consists of nine months distance/online and five days in Brisbane.

## Applications for Water Leadership Scholarships have been extended to the 9 November 2016.

More information and brochure is available on the IWC website <http://www.watercentre.org/education/leadership>

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~**

**3.   QUICK LINKS – ASSOCIATED ORGANISATIONS EVENTS & ANNOUNCEMENTS**

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~**

The Queensland Police Service have released a new [confidential notice](https://thequeenslandwaterdirectorate.worldsecuresystems.com/Counter-terrorism) that can accessed by ***qldwater*** members from the secure area of our website.    Please note these documents are provided on a confidential basis for ***qldwater*** member use only.

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~**

**This message may be passed on to interested individuals and organisations.**

**To add your name** to the distribution list, email “subscribe” to [hgold@qldwater.com.au](mailto:hgold@qldwater.com.au)

**To remove your name** from the distribution list, email “unsubscribe” to [hgold@qldwater.com.au](mailto:hgold@qldwater.com.au)

**Visit qldwater at** [**www.qldwater.com.au**](http://www.qldwater.com.au)

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~**