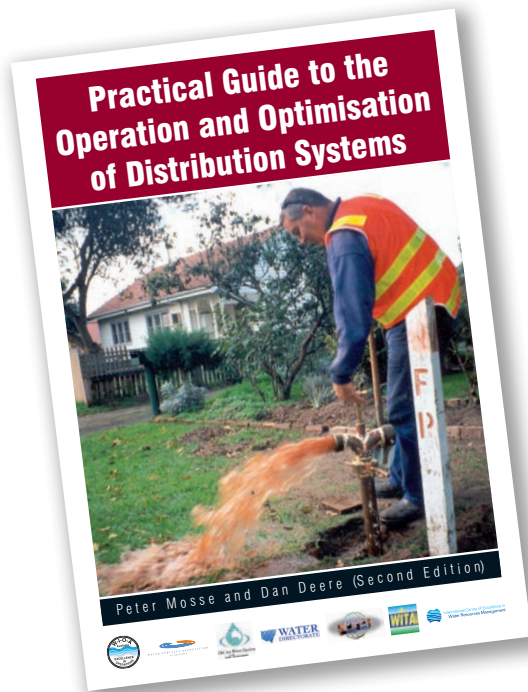


REGISTRATION INCLUDES:

- Limited to 40 attendees only
- Speaker notes
- Publication Practical Guide to the Operation and Optimisation of Distribution Systems valued at \$33.00
- Morning, afternoon tea & lunch



REGISTRATION CANCELLATION POLICY:

Cancellations must be notified in writing to WIOA.

Cancellations prior to and on 15 August 2017 will receive a full refund less a \$22 administration fee. No refunds will be issued for cancellations after 15 August 2017 however WIOA will permit substitution of attendees without charge.

WIOA PRACTICAL GUIDES Water Treatment Series



Practical Guide to Understanding and Managing Surface Water Catchments



Practical Guide to the Operation and Optimisation of Distribution Systems



Practical Guide to the Optimisation of Chemical Dosing, Coagulation, Flocculation and Clarification



Practical Guide to the Operation and Optimisation of Media Filters



Practical Guide to the Operation and Optimisation of Chlorine and Chloramine Disinfection

Wastewater Series



Practical Guide to Odour Control in Sewage Transport Systems



Practical Guide to the Operation and Optimisation of Activated Sludge Wastewater Treatment Plants



CONTACT WIOA

Phone 03 5821 6744

Email sherryn@wioa.org.au

Web www.wioa.org.au



A One Day Interactive Seminar on Water Quality Awareness and Distribution System Management

Tuesday 22 August 2017

or

Wednesday 23 August 2017

Wauchope Water Treatment Plant
213 Quarry Road Rosewood



A One Day Interactive Seminar on Water Quality Awareness and Distribution System Management

Wauchope WTP

Proposed Program

7.30am **Registration**

8.00am **Distribution system, public health and water quality awareness**

- Distribution system and public health
- Aims of a water supply system
- Pathogens and chemicals
- Pathogen management
- Filters and disinfection
- Distribution
- ADWG framework
 - Control points, target objectives, critical limits and corrective action
 - Distribution system targets
- Operator responsibilities

10.30am **Morning tea (With Walkerton video)**

How can pathogens get into the distribution system and what do we need to do about it?

- Catchment
- Storages
- Repairs, maintenance and installations
- Backflow
- Cross connections
- Hydrants

Disinfection

- Brief history
- Process of disinfection
 - Chlorination
 - Chloramination
- Management of chloraminated and chlorinated systems
- Monitoring

12.30pm **Lunch**

Repairs tappings and new mains

- Objectives
- Sanitary work procedures
 - Options
- Interventions without loss of pressure
- Interventions with loss of pressure
- Disinfection of mains and tanks
- Management of discharged water

System cleaning

- Why clean
- Drought and ceaning
- Indicators for cleaning
- Flushing
 - Reactive
 - Proactive, unidirectional
- Air scouring
- Swabbing
- Comparisons and costs
- Frequency of cleaning
- Monitoring of cleaning
- System storages

Optimisation of distribution system

- Know the system
- Prevent contamination
- Minimise detention time
- Optimise disinfection
- Maintain and manage residuals (chlorine and chloramine)
- Balance residuals
- Residual trim

Final questions and answers

3.00pm **Finish**



Water Industry Operators
Association of Australia Ltd
ABN 83 123 468 422

One Day Interactive Seminar on Water Quality Awareness and Distribution System Management

Tax Invoice / Registration Form

This form becomes a **TAX INVOICE** on receipt of payment.
Please retain a copy for your records.

First Name _____
Surname _____
Employer _____
Address _____
Suburb _____ Post Code _____
Tel (Work) _____ Fax _____
Mobile _____
E-mail _____

SELECT A SESSION

Tuesday 22 August 2017 Wednesday 23 August 2017

REGISTRATION FEE

WIOA Member*: \$220.00 (inc GST) pp \$ _____

Non WIOA Member: \$264.00 (inc GST) pp \$ _____

*WIOA Member fee applies to Individual Members, Utility Corporate Members or one employee of a Corporate Member only. Become a WIOA Member phone 03 5821 6744 or visit www.wioa.org.au

Total Amount Payable \$ _____ (inc GST)

2% Administration Fee on all Credit Card Payments

VISA MasterCard Cheque EFT

Card Name _____

Card Number

Expiry Date Signature: _____

REGISTRATIONS CLOSE Wednesday 15th August 2017
PAYMENT MUST ACCOMPANY THE REGISTRATION FORM

CHEQUES PAYABLE TO

WIOA & Mail to
PO Box 6012 Shepparton
VIC 3632

EFT DETAILS

Westpac Bank
BSB: 033 254
Ac No. 327012

Fax remittance to 03 5821 6033

Phone 03 5821 6744 Email sherryn@wioa.org.au

