



ENVIRONMENTAL
HEALTH
AUSTRALIA



Government
of South Australia

SA Health

PUBLIC & ENVIRONMENTAL HEALTH (LEGIONELLA) REGULATIONS 2008

HIGH RISK MANUFACTURED WATER SYSTEMS COMPLIANCE INSPECTION TRAINING

Sponsored by Department of Health

Date: Friday 11 September 2009 **Time:** 8:45am – 5:00pm

Price: \$110.00

Venue:



Fullarton Lutheran Homes

14 Frew Street

Fullarton

Parking is available on Frew Street and Fisher Street. Fullarton Lutheran Homes has requested that we do not use the on site visitors parking located at the Frew Street Entrance.

Course Objectives:

The aims of the workshop are to:

1. Familiarise EHOs with the various types, componentry and operational requirements of **warm water systems**, including:
 - a) Heat exchange (indirect heated) systems
 - b) Tempered (tepid) systems
 - c) Thermostatic mixing valve (TMV) based systems
2. Familiarise EHOs with the types, componentry and operational requirements of **cooling water systems**, including cooling towers and evaporative condensers.
3. Familiarise EHOs with water treatment chemicals, practices and automatic dosing equipment.
4. Enable EHOs to confidently assess high risk manufactured water systems for compliance with the Regulations.
5. Enable EHOs to confidently assess and respond appropriately to reports on high risk manufactured water systems provided by competent independent inspectors (pursuant to regulation 15(2)).



Program Outline:

8.30 – 8.45	Registration
8.45 – 9 am	Start & Welcome General housekeeping / OH&S (Merv Thiele)
9am – 9.30	<u>Introduction</u> Regulation 15; third parties; forms; overview of day (M Hobby)
9.30 – 10.30	<u>Warm Water Systems</u> (Environmental Services) 1. Introduction / overview of warm water systems <ul style="list-style-type: none">• Heat exchange (indirect heated);• TMV;• Tempered 2. Inspections (inspection form) <ul style="list-style-type: none">• <u>Preparation</u> – registration; responsible person & contractors; book appointment; testing equipment; sampling; OH&S; PPE• <u>Inspection</u> – plans; manuals; log books/records; infrastructure (plant room, towers, outlets, water storage, valves, pipe-work)• <u>Action</u> – immediate; serious non-compliance; third party auditors• <u>Follow-up</u>
10.30 – 10.45	Morning Tea
11am – 11.20	Thermostatic mixing valves and tempering valves (TBA)
11.20 – 11.50	Heath Exchange Systems (Kym McFarlane & Sola Edwards)
11.50 – 12.30	Water Treatment Processes (Nalco)
12.30 – 12.45	Drift eliminators (Stuart Todd – Balticare)
12.45 – 1.30	Lunch
1.30 – 3pm	<u>Cooling Water Systems</u> (Environmental Services) 1. Introduction / overview of cooling water systems <ul style="list-style-type: none">• Cooling towers• Evaporative Condensers• Applications of these systems

2. Inspections (inspection form)

- Preparation – registration; responsible person & contractors; book appointment; testing equipment; sampling; OH&S; PPE
- Inspection – plans; manuals; log books/records; infrastructure (plant room, towers, outlets, water storage, valves, pipe-work).
- Action – immediate; serious non-compliance; third party auditors
- Follow-up

3pm – 3.15

Afternoon Tea

3.15 – 4.30

Infrastructure Assessment (Groups of 8-10 people)

- Plant room (15 min) – Tempering Valve; Hot Water Storage; Chillers; Automatic Biocide Dosing UV
- Calorifiers (5 min)
- Roof (10 min) – cooling towers (Nalco); solar panels
- TMVs and Outlets (5 min)

4.30 – 5pm

Debrief / Discussion (Facilitated by Environmental Services)

- Template for Regulation issues
- Template for feedback on inspection forms

5pm

Finish

The training session is looking at inspections of high risk manufactured water systems, as such it will be assumed that all participants have a working knowledge of the Public and Environmental Health (Legionella) Regulations 2008 and the Guidelines.

Please ensure that appropriate clothing and footwear is worn to the training session. Parts of the training will be held in the plant room and at roof top cooling towers, as such enclosed footwear is required.

For Environmental Health Australia Members this activity provides 5 Continuing Professional Development points. A Certificate of Attendance will be issued to each Member at the seminar.

For further information contact:

**Mina Labaz
Executive Officer
Environmental Health Australia (SA Branch)
Ph/Fax 8271 9885
sa@eh.org.au**

REGISTRATION FORM
High Risk Manufactured Water Systems

Cost \$110.00 (incl. GST)

Employer _____

Name _____

Position _____

Email _____

Dietary Requirements _____

Do you possess a current Police Clearance? Yes No

(If yes please fax a copy to Mina Labaz, Executive Officer 8271 9885 before the day as evidence of Police Clearance is required for at least 10 persons in order to have access to the site given the amount of expected delegates)

I would like to receive more information from the programmed speakers

Method of Payment

Cheque Bankcard Mastercard Visa Electronic Payment

(Cheques to be made payable Environmental Health Australia - SA Branch)

Cardholder's Name _____

Card Number _ _ _ _ _

Expiry Date _____ / _____

Signature _____

Electronic Payments to:
Bendigo Bank
BSB - 633 000
A/C - 127 431 054

PLEASE ACCEPT THIS AS A TAX INVOICE IF ATTENDING
Environmental Health Australia – SA Branch ABN: 58 000 031 998

Registrations due by Monday 7th September 2009 to:

Mina Labaz
Executive Officer
Environmental Health Australia (SA Branch)
Ph/Fax 8271 9885
Email: sa@eh.org.au