

# Plumbing Regulation News Update

News Update 0208  
Issued: 30 May 2008

## ON-SITE WASTEWATER MANAGEMENT TRAINING COURSE

### Purpose

The purpose of this News Update is to advise of up-coming training in on-site wastewater management. The course covers AS/NZS1547:2000 Domestic on-site wastewater management and an overview of the Tasmanian regulatory environment. It is competency based training to consolidate your skills in the design, technology and management of on-site and decentralised wastewater systems.

### Who should attend the course?

This course is designed for those involved in site-and-soil evaluation, planning, design, regulation, management, installation and performance monitoring of on-site and decentralised waste water management systems. It is particularly relevant to Environmental Health Officers, Plumbing Inspectors, Building Surveyors, Environmental Managers, Planners, Environmental and Engineering Consultants, Site and Soil Assessors as well as on-site waste water management system designers, manufacturers and plumbers involved in the installation and maintenance of on-site waste water management systems.

### Objectives of the course

The aim of the course is to provide participants with the necessary skills in site and soil assessment, design and management of on-site and decentralised waste water management systems.

### When and where is the course to be held?

4-6 August 2008  
The Beaches Conference Centre,  
Wyndham Vacation Resort,  
78 Surf Road, Seven Mile Beach, Tasmania 7170

### Continuing Professional Development (CPD) points

Attendance may earn you CPD points. Check with your industry association. Accredited building practitioners check the CPD pages on the Workplace Standards Tasmania website: [www.wst.tas.gov.au/building](http://www.wst.tas.gov.au/building)

### Contact:

For further information, please contact Alan Humphreys, Principal Plumbing Advisory Officer, Building Standards and Regulation on 1300 366 322 (inside Tasmania) or 03 6233 7657 (outside Tasmania) or Email: [wstinfo@justice.tas.gov.au](mailto:wstinfo@justice.tas.gov.au)

### For course registration or more information:

See attached brochure or contact the Centre for Environmental Training on 02 4954 4997 or e-mail [mail@environmentaltraining.com.au](mailto:mail@environmentaltraining.com.au)

## On-site Wastewater Management Training Course

This very popular course is revised and updated for each presentation to illustrate best practice in on-site wastewater management. The course formally reviews competencies with an integrated series of practical and workshop exercises completed throughout the course. The course covers all aspects of the Standard *AS/NZS 1547 On-site Domestic Wastewater Management* and the State Government Guidelines.

The course is designed for those involved in planning, design, regulation, management, installation and performance supervision of on-site and decentralised wastewater management systems. It is particularly relevant to Environmental Health Officers, Building Inspectors, Plumbing Inspectors, Environmental Managers, Planners, Surveyors, Catchment Managers, Site and Soil Assessors, Environmental and Engineering Consultants as well as on-site systems designers, manufacturers and installation and maintenance technicians.

The three-day course comprises lecture presentations, practical demonstrations, hands-on practical and workshop sessions and a field based site assessment and a design workshop using *TRENCH® 3.0*, conducted by the author of this popular software package, Bill Cromer. There is ample opportunity for discussion, information exchange and networking with fellow on-site wastewater practitioners.

**Participants are asked to bring a calculator and suitable attire for the field based site assessment.**

The course has been developed in conjunction with State Government regulatory agencies, Environmental Health Australia (formerly AIEH) and the Institution of Surveyors. The course is offered widely throughout Australia, New Zealand and the Asia-Pacific Region. In excess of 2,500 wastewater professionals have completed the course to date. The program is recognised for Continuing Professional Development by a number of professional bodies and is recognised by State and Regional Government agencies throughout Australasia.

Participants receive comprehensive course notes and on completion, a certificate formally documenting competencies.

## On-site Wastewater Management Training Course

The Beaches Conference Centre  
Wyndham Vacation Resort  
78 Surf Road  
Seven Mile Beach  
Tasmania 7170

4-6 August 2008

### Technical sessions include:

- The Regulatory Environment
- Wastewater Characterisation
- Wastewater Testing
- Septic Systems and Primary Treatment
- Soils and Soil Based Systems
- Soil Landscape Interpretation
- Soil Properties
- Soil Classification
- Soil Testing
- Sand Filters and Mound Systems
- Aerobic Systems
- Disinfection
- Composting Toilets and Wetlands
- Greywater Systems
- Climatic Factors
- Evapotranspiration Systems
- Water Balance Analysis
- Nutrient Balances
- Irrigation Systems
- Wet Weather Storage
- Use of Tracers
- Site Assessment
- Field Based Site and Soil Assessment
- Site Evaluation and Design Exercise
- *TRENCH® 3.0* design workshop

## Course Presenters

**Bill Cromer, BSc**, is an engineering and groundwater geologist and Principal of William C. Cromer Pty. Ltd. He has over 30 years experience in on-site wastewater design in Tasmania. Bill is the creator of *Trench@ 3.0* which is marketed nationally, in partnership with Environmental Health Australia, as a computer application to help standardise land assessment for on-site wastewater disposal. Bill has also designed and manufactures the Cromer Constant Head Permeameter, used for estimating soil permeability for on-site domestic wastewater management.

**Phillip Geary, BSc, MSc, PhD, MAWA**, Senior Lecturer in Environmental Science, School of Environmental and Life Sciences, The University of Newcastle. Phillip has served on the AS/NZS 1547 Standard Committee and was the inaugural Chair of NOSSIG, the National On-site Systems Interest Group in Australia. Phillip has worked extensively in on-site wastewater research and design in Australia, New Zealand and the USA and has had numerous papers on his research published. Phillip has recently been involved in a number of research programs investigating the impact of on-site wastewater systems on sensitive shellfisheries.

**Alan Humphreys**, Principal Plumbing Advisory Officer Building Control Branch, Workplace Standards Tasmania Department of Justice will present the session on the Tasmanian regulatory environment.

**Robert Patterson, BNatRes, MEng, PhD, FIEAust, CPSS, CPAg**, Lanfax Laboratories, Armidale, NSW. Bob is Director of a consulting firm specialising in environmental assessment, soils and wastewater. Lanfax Laboratories is a registered Australian Soil and Plant Analysis Council laboratory which offers a wide range of services to the on-site wastewater industry. Bob has completed numerous research projects on aspects of wastewater management and is an authority on soil and wastewater interaction including studies into salinity, nutrient loading and the use of peat beds for wastewater treatment.

**Joe Whitehead, BSc, MAppSc, FGS, MEIA, MAWA**, is Director of the Centre for Environmental Training and Principal of Whitehead & Associates Environmental Consultants Pty Ltd, a consultancy specialising in wastewater management, waste auditing and landfill management throughout Australasia and the Pacific. Joe is an Environmental and Engineering Geologist with wide and varied experience in geotechnical aspects of site evaluation and wastewater system design for constrained and sensitive sites.

## On-site Wastewater Management Training Course

### REGISTRATION / TAX INVOICE

ABN 48 091 629 686

COURSE 0573

Name

Organisation

Address

Postcode

Tel

Fax

e-mail

#### PLEASE REGISTER ME FOR:

**On-site Wastewater Management  
Training Course, 4-6 August 2008**

**I enclose payment of the course fee  
\$1,180 + \$118.00 GST = Total \$1,298.00**

**Official order is enclosed/attached.**

**Please invoice me for the course fee**

**10% discount for two or more registrations from the  
same organisation.**


The course will be held from 8.30am to 4.30pm at  
The Beaches Conference Centre, Wyndham Vacation  
Resort, 78 Surf Road, Seven Mile Beach, Tasmania 7170

Course fee includes comprehensive course notes,  
lunches and morning and afternoon teas. Please tell us if  
you have special dietary requirements so that we can  
endeavour to cater for you.

Register by post or fax with official purchase order.  
Payment may be made by cheque payable to: The Centre  
for Environmental Training or by electronic transfer (see  
details on tax invoice). No facilities for credit card  
payment are available.

**The Centre for Environmental Training**  
**251 Wallsend Road**  
**CARDIFF HEIGHTS NSW 2285**  
**AUSTRALIA**

**Telephone: 02 4954 4997**

**Facsimile: 02 4954 4996**

**e-mail: mail@environmentaltraining.com.au**

### On-site Wastewater Management Training Course

Competency based training covering all aspects of on-site  
wastewater management.

Reviews the Standard AS/NZS 1547:2000 *On-site Domestic  
Wastewater Management* and the State Government  
Guidelines.

Provides up-to-date coverage of advances in the science,  
technology and management of on-site systems and a wide  
range of options and alternatives for problem sites.

Is presented by the leading team of on-site wastewater  
trainers in Australasia.

In excess of 2,500 wastewater professionals from Australia,  
New Zealand and the Pacific have already completed the  
course.

Participants receive comprehensive course notes and a  
certificate formally documenting competencies.

*"I thoroughly recommend the course for both regulators and  
consultants. The course notes are a great reference."*  
Helen Tunks, hmc Environmental, Bonora Point, NSW.

*"Very thorough and comprehensive, all the presenters were  
very professional. Course notes were very comprehensive."*  
Owen Ashby, AIEH, WA.

*"Excellent, good lively presenters all prepared to share their  
wealth of knowledge, heaps of information."*  
Bernie Cheetham, Hastings Council, NSW.

*"Very good, invaluable to my work."*  
Brent Fletcher, Environment Waikato, New Zealand.

*"Good, covered all areas that I think were necessary for a  
consultant."*  
Geoff McVey, Morse McVey, Nowra, NSW.

*"Course content and all areas of course presentation  
excellent, the course has provided valuable reference  
material and a greater understanding of the assessment and  
installation of on-site systems."*  
Bruce Mitchell, City of Whittlesea, Victoria.

*"One of the best technical courses I have been on in a long  
time. Really excellent content and really good practical  
experiments."*  
Andrew Stevens, Queensland.

# On-site Wastewater Management Training Course

4-6 August 2008

Hobart, TAS



Competency based training to consolidate  
your skills in the design, technology and  
management of on-site and  
decentralised wastewater systems

The leading Australasian On-site  
Wastewater Management Training Course  
covering AS/NZS1547:2000 and  
TAS Government Guidelines

cet

Centre for Environmental Training