

Plumbing Regulation News Updates are issued as and when necessary, to keep the Tasmanian Plumbing Industry informed of developments occurring in the industry, Tasmanian Plumbing Code and its referenced documents and legislation.

ON-SITE WASTEWATER MANAGEMENT TRAINING COURSE

Please find attached an advertisement for a training course in on-site wastewater management from the Centre for Environmental Training.

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.

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On-site Wastewater Management Training Course

On-site Wastewater Management Training Course

This very popular course covers all aspects of site and soil assessment, design and management of on-site and decentralised wastewater management systems. The course is reviewed and updated for each presentation to bring you up to date with best practice. 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.

Increasingly, regulatory agencies are requiring more detailed site and soil assessments, geotechnical reports and domestic wastewater assessments. This course will give you the skills required to both prepare and interpret such reports.

The course is designed for those involved in site and soil assessment, 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, 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 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 regulatory agencies throughout Australia and New Zealand and relevant professional bodies including the Australian Institute of Environmental Health and the Institution of Surveyors. The course is offered throughout Australia, New Zealand and the Asia-Pacific Region and is recognised by regulatory agencies and professional bodies for Continuing Professional Development.

On-site Wastewater Management Training Course

The Pines Resort
78 Surf Road
Seven Mile Beach
Tasmania 7170

11-13 April 2005

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
- Community and Decentralised Systems
- Site Assessment
- Field Based Site and Soil Assessment
- Site Evaluation and Design Exercise
- Half day TRENCH® 3.0 design workshop

Course Presenters

Bill Cromer, BSc, is an Engineering and Hydrogeologist with over 30 years experience in on-site wastewater design in Tasmania. Bill wrote TRENCH® 3.0, an easy-to-use computer application to help standardise the way land is assessed for on-site wastewater disposal. Bill has also designed and manufactures the Cromer Constant Head Permeameter, used specifically 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 extensive experience in the design of wastewater management systems, alternative options and land capability assessment. Phillip is on the AS/NZS 1547 Standard Committee, is actively engaged in on-site wastewater research and has had numerous papers published in Australian and international journals.

Robert Patterson, BNatRes, MEng, PhD, CPSS, CPAG, Lanfax Laboratories, Armidale, NSW, Australia. 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. Bob is convenor of the leading Australasian "On-Site" Conferences.

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 and waste management. Joe has wide and varied experience in geotechnical aspects of site evaluation for wastewater and waste management in Australasia, Europe, and America. Joe has taught at four Universities in Australia and the UK and is widely published in on-site and decentralised wastewater topics.

On-site Wastewater Management Training Course

REGISTRATION / TAX INVOICE

ABN 48 091 629 686

COURSE 0302

Name

Organisation

Address

Postcode

Tel

Fax

e-mail

PLEASE REGISTER ME FOR:

**On-site Wastewater Management
Training Course, 11-13 April 2005**

**I enclose payment of the course fee
\$995 + \$99.50 GST = Total \$1094.50**

**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 9.00am to 5.00pm at the
Pines Resort, 78 Surf Road, Seven Mile Beach, Tasmania
7170.

Course fee includes comprehensive course notes,
lunches and morning and afternoon teas.

Please make cheques payable to:
The Centre for Environmental Training

No facilities for credit card payment are available, but
payment can be made by electronic transfer of funds.
Register by post or fax with official purchase order.

**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 *On-site
Sewage Management 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 1500 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

11 - 13 April, 2005

Hobart, Tasmania



Competency based training to give you
the necessary skills in site and soil
assessment, design and management of
on-site and decentralised wastewater
systems

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

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Centre for Environmental Training