

Upcoming NZWETA Qualification Courses – First streams for 2010!

National Certificate in Water Treatment (Site Operator) and National Certificate in Wastewater Treatment (Site Operator)

These qualifications cover a combination of core and generic skills of the water and wastewater treatment operator.

Areas of study include safe work practices, mathematics, and first aid, as well as process control and monitoring, basic science theory, treatment process management systems, legislation and agencies relating to water and wastewater treatment.

The course provider is Opus Environmental Training Centre and will be delivered in Wellington on the following dates:

**National Certificate in Water Treatment Course # 1 - Block 1: 15 – 26 March 2010
Block 2: 19 – 30 July 2010**

**National Certificate in Wastewater Treatment Course # 1 - Block 1: 17 – 28 May 2010
Block 2: 16 – 27 Aug 2010**

Enrolments for the first streams in 2010 are now being taken for the above courses, please contact us to discuss your requirements and let us help realise your training needs.

National Diploma in Drinking Water – Water Treatment (Site Technician) & National Diploma in Wastewater Treatment (Site Technician)

These comprehensive qualifications address the skills of Water Supply Managers, Wastewater Managers and Supervisors.

The diploma is designed to recognise the generic skills and knowledge to manage and optimise water treatment and wastewater treatment, to manage public health risk assessment and environmental risk, and water and wastewater reticulation.

Students complete a number of unit standards that recognise competency in specific areas of water supply and wastewater management.

The course provider is Opus Environmental Training Centre and will be delivered in Wellington on the following dates:

**National Diploma in Drinking Water Course - Block 1: 26 April – 7 May 2010
Block 2: 6 – 17 Sept 2010**

**National Diploma in Wastewater Course - Block 1: 28 June – 9 July 2010
Block 2: 8 – 19 Nov 2010**

Enrolments for the first streams in 2010 are now being taken for the above courses, please contact us to discuss your requirements and let us help realise your training needs.

National Diploma in Drinking Water – Drinking Water Assessment

This high-level course is designed for public health employees, enabling them to implement Ministry of Health drinking water policies, legislation and standards. It is essential for anyone working as a drinking water assessor and also ideal for consulting and council engineers wanting more specific water treatment knowledge.

The qualification has all the water treatment theory components of the water treatment diploma, and replaces the practical water treatment component with additional legislative and auditing skills to suit your typical job requirements.

This course is run by the Opus Environmental Training Centre, and will be delivered in Wellington on the following dates:

**National Diploma in Drinking Water Assessors Course # 1 - Block 1: 26 April – 7 May 2010
Block 2: 6 – 17 Sept 2010
Block 3: 29 Nov -3 Dec 2010**

Enrolments for the first streams in 2010 are now being taken for the above courses, please contact us to discuss your requirements and let us help realise your training needs.

National Certificate in Irrigation Design

This new qualification was initiated and supported by Irrigation New Zealand who recognised that a NZQA registered and unit standard based training program was required to equip designers with the design procedures to ensure irrigation systems perform to a recognised standard.

The training programme will help irrigation designers to comply with the Irrigation Design Code of Practice by providing them with the understanding and tools to achieve the required standards, and is therefore delivered in the five areas outlined in the Code of Practice: planning; design; quoting and supply; installation and commissioning, and operation and maintenance.

This course is aimed at Irrigation designers involved in the design of irrigation systems in broad acre crops, horticulture, and turf and landscape.

The qualification requirements will be delivered in three mixed theory and practical based modules. Module 1 is delivered in five days, while Module 2 and Module 3 are both delivered in three days each (11 days in total).

This course is run by Opus Environmental Training Centre and will be delivered in Christchurch on the following dates:

National Certificate in Irrigation Design Course -

Module 1 - 15 - 18 March 2010

Module 2 - 4 - 6 May 2010

Module 3 - 20 - 22 July 2010

Enrolments for the first streams in 2010 are now being taken for the above courses, please contact us to discuss your requirements and let us help realise your training needs.

Act now as limited places available!

Upcoming NZWETA Short Courses starting in March:

Principles and Trends of Water Treatment

The Principles and Trends of Water Treatment course has been developed for those working in the water treatment field and covers the fundamentals of water treatment sciences and processes. This course has been delivered for more than 10 years and has been a useful development process for engineers, operators and those new to water treatment processes. This five day course is being held in Wellington and Hamilton.

This five-day course covers:

- Water Use
- Water Characteristics
- Drinking Water Standards
- Health Act
- Water Grading
- Source & Pre-Treatment
- Public Health Risk Management Plans
- Coagulation
- Separation
- Filtration
- Disinfection
- Aesthetics
- Fluoride
- Waste Management
- Small Water Systems
- Corrosion Control
- Asset Management
- Several Field Trips

This course is often attended by Compliance/consent officers, engineers, operators, managers, environmental and health protection officers and suppliers who require an excellent introduction to the principles of Water Treatment.

This course will be delivered in the following locations:

Wellington 1 – 5 March 2010

Hamilton 1 – 5 Nov 2010

Backflow Prevention Course

New Zealand Water and Environment Training Academy (NZWETA) are offering the Backflow Prevention Course as three modular courses delivered nationwide.

These Courses are designed to meet achievement levels for Unit Standards; US 23847 (Prepare to test, and inspect and test, water supply backflow prevention devices – Level 3, 4 Credits), US 23848 (Describe suitability, installation, and testing of water supply backflow prevention devices, and fault identification - Level 3, 4 Credits).

For holders of current Plumbing Certificates or licenses as issued under the Plumbers, Gasfitters and Drain layers Act 2006, it is then possible to attain US 2117 (Install, test and maintain water supply backflow prevention devices - Level 4, 11 Credits).

Participants successfully completing the training will be recognised as meeting the standards required of an Approved Backflow Technician (ABT).

This course is recommended for Plumbers, Council engineers and contractors (installers and maintenance), Compliance officers, Water operators, and Irrigation personnel (designers, installers and maintenance).

The Backflow Prevention Course is both a Theoretical and Practical modular course which will be delivered in several locations around the country. This allows course participants to achieve their required learning aims over one or more modules in one or two-day courses.

This course will be delivered in the following locations:

| | | |
|-------------------|---------------------------|--------------------------------------------------|
| Dunedin | 4 - 5 March 2010 | Module 1 & 2 - Unit Standard 23848 |
| Dunedin | 7 – 8 April 2010 | Module 3 - Unit Standard 23847 & 2117 |
| Hamilton | 16 – 17 March 2010 | Module 1 & 2 - Unit Standard 23848 |
| Hamilton | 27 – 28 April 2010 | Module 3 - Unit Standard 23847 & 2117 |
| Wellington | 5 - 6 May 2010 | Module 1 & 2 - Unit Standard 23848 |
| Wellington | 2 - 3 June 2010 | Module 3 - Unit Standard 23847 & 2117 |
| Kerikeri | 26 - 27 May 2010 | Module 1 & 2 - Unit Standard 23848 |
| Kerikeri | 16 - 17 June 2010 | Module 3 - Unit Standard 23847 & 2117 |

Backflow Survey Course

New Zealand Water and Environment Training Academy (NZWETA) are now offering a Backflow Survey Course following the Backflow Testers' course.

The course is completed in two days and covers aspects of preparation for surveying, appropriate device selection, surveying of residential, commercial, industrial, rural and irrigation sites, as well as fire protection systems. It will also cover insurance, disclaimers and report writing. The production of a report is to be completed for evidence of competence.

This Course is designed to meet achievement levels for Unit Standards which are currently under development and will be awarded retrospectively on successful completion of the course.

The course will cover:

- Understanding of backflow potential hazards by site
- Pre-inspection processes
- Inspection procedures
- Potential hazard and hazard level identification
- Potential hazard containment zone individual identification
- Potential solutions or improvements for protection levels
- Report production
- Insurances and disclaimers

Note there is a prerequisite for trainees attending this course to have achieved US 23848 "Describe suitability, installation, and testing of water supply backflow prevention devices, and fault identification" (first two-days of the Backflow Tester's course - Module 1 & 2), or equivalent training, and/or industry experience.

This course is recommended for plumbers, council engineers and contractors (installers and maintenance), compliance officers, water and wastewater operators, and irrigation engineers.

The Backflow Prevention Course is both a Theoretical and Practical course. Trainees will be required to produce a report on a class led survey as part of the assessment criteria.

This course will be delivered in the following locations:

| | |
|---------------------|-------------------------|
| Invercargill | 20 – 21 May 2010 |
| Wellington | 3 – 4 Aug 2010 |
| Whangarei | 25 – 26 Aug 2010 |

Confined Space Training Course

NZWETA is offering this popular course providing training and education for people who work in, or observe confined space environments. Participants are also given the opportunity to achieve unit standard 18426: Demonstrate knowledge of hazards associated with confined space, and 19207: Enter, work in, and exit a confined space in the water industry.

This one-day course covers:

- Permit notification and implementation requirements
- Identification and control measures to eliminate, isolate and minimise the risk of hazards
- Monitoring and confined space testing requirements
- Responsibilities and duties of people entering confined spaces or conducting observation duties for confined spaces
- Identification of the location, and work procedure to be carried out
- Examination of an entry plan for its completeness
- Entrance, completion of work and withdrawal from a confined space.

This course is aimed at people who are required to enter confined spaces or observe confined space entry. It is also worthwhile for those that work on water, wastewater, or stormwater reticulation systems, which collectively make up water reticulation services.

This course has been designed for new participants in the industry, or simply as a refresher, which we recommend should be completed every two years.

This course will be delivered in the following locations:

| | |
|-------------------------|---------------------|
| Auckland | 9 March 2010 |
| Auckland | 10 May 2010 |
| Cromwell | 19 May 2010 |
| Christchurch | 21 May 2010 |
| Auckland | 13 July 2010 |
| Tauranga | 23 July 2010 |
| Palmerston North | 30 July 2010 |
| Christchurch | 4 Aug 2010 |

Advanced Stormwater Design and Management

The NZWETA Advanced Stormwater Design and Management Course is a follow-up course to our popular introductory level stormwater management course and is recommended for consulting engineers, local and regional authority engineers, and asset managers with an interest in advanced stormwater management.

This two-day course covers:

- Understanding of stormwater management and why it's management is important;
- Discussion of the variety of practices that are commonly used for stormwater management purposes;
- Discussion of performance data. How some practices are more effective at metals, toxics, sediments and nutrients;
- Discussion of hydrological calculation approaches, variations and case studies;
- Effluent limits versus best practicable option as required through the consenting process and;
- Design, construction and maintenance requirements relating to different practices

The presenters for this course are Earl Shaver and Bodo Hellberg. Earl has developed and delivered this advanced stormwater design and management course over several years.

This course will be delivered in the following locations:

| | |
|---------------------|---------------------------|
| Tauranga | 23 - 24 March 2010 |
| Dunedin | 15 - 16 June 2010 |
| Wellington | 10 - 11 Aug 2010 |
| Christchurch | 5 - 6 Oct 2010 |

Understanding New Zealand's Drinking-Water Legislation

This course will enable participants to understand recent changes to New Zealand's drinking-water framework, legislation and key regulatory agencies. It will provide clarity to water supplier's responsibilities, timeframes and duties in key areas such as Public Health Risk Management Plans, Drinking Water Standards, Water Supply Gradings and the Health (Drinking Water) Amendment Act. It will identify opportunities for funding improvements to infrastructure, and highlight contentious issues including the meaning and application of 'all practicable steps' and 'affordability' in the Act.

This one-day course covers:

- **DWAA 2007 Legislation Overview:**
The roles and duties of water suppliers and regulators and how it links to the drinking water National Environmental Standard and Building Act
- **PHRMPs:**
What are they, Why we have them, how can they add value, what is a DWA looking for and the process for approval and implementation?
- **Grading:**
What it is what it is not? What is the Drinking Water Assessors process and how to make grading simple and problem free.
- **Less known or clear parts of the Act:**
The things they never told you and the implications for water suppliers.

This one-day course is aimed at those working in the water industry. We recommend this course to managers and policy makers in Government Departments, Local Government water supply and reticulation utility managers, engineers, treatment plant managers and operators, environmental health officers, compliance officers, medical officers of health, health protection officers and drinking water assessors. This course is also highly recommended for those people working with small supplies.

The course will be delivered in a one-day workshop with an interactive exercise focus to underpin learning outcomes.

This course will be delivered in the following locations:

| | |
|---------------------|----------------------|
| Wellington | 30 March 2010 |
| Auckland | 27 April 2010 |
| Christchurch | 4 May 2010 |
| Dunedin | 6 May 2010 |

Water and Environmental Sampling

Correct sampling practices are essential to many businesses. NZWETA has developed a Sampling course to teach the principles and practices behind taking and transporting representative samples for testing. This is not to question laboratory activities but to highlight the inadequacies with sampling and sample collection in the water quality and environmental industry before the samples actually get to the laboratory.

This Sampling course is delivered in a unique way; the morning is dedicated to theory and introduces you to water quality, environmental, and wastewater compliance monitoring while the afternoon covers the practical content, for assessment and accreditation of unit standards 17890: Undertake sampling and testing procedures for water treatment and 24927: Describe, and undertake sampling and testing procedures for wastewater.

This course is aimed at laboratory technicians, council and private personnel involved in sampling, permitting, monitoring and compliance activities, water and wastewater operations, health protection officials and water transportation.

This course will be delivered in the following locations:

| | |
|---------------------|----------------------|
| Christchurch | 31 March 2010 |
| Hamilton | 3 June 2010 |
| Auckland | 29 July 2010 |

Enrolments for the first part of 2010 are now being taken for the above courses, please contact us to discuss your requirements and let us help realise your training needs.

New Zealand Water & Environment Training Academy

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