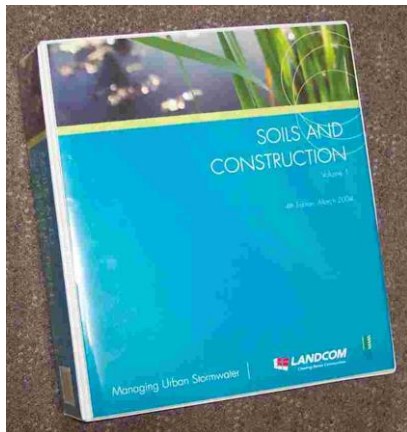




Centre for Environmental Training

# Erosion and Sediment Control

## Sydney, NSW



12-15 May 2020



Covers the theory required for the International Erosion Control Association Certified Professional in Erosion and Sediment Control (CPESC) Fundamentals Examination

in conjunction with



### Erosion and Sediment Control

## Workshop 1: Fundamentals of Erosion and Sediment Control

Workshop 1 provides training for people responsible for the selection, installation, inspection or maintenance of temporary and permanent erosion and sediment control measures.

The workshop covers the fundamental principles that underpin erosion and sediment control. No prior knowledge is required.

This workshop provides a practical perspective and is geared towards anyone wanting a sound knowledge of erosion and sediment control without going into detailed calculations and design aspects.

**Topics include:** the theory of soils and soil conservation; how, when and why to use various erosion and sediment control products or practices, tips for conducting inspections of erosion and sediment controls on sites, plus real-world examples of reading and understanding erosion and sediment control plans.

Those planning to attend Workshops 2, 3 or 4 should attend this workshop first.

Participants should bring a paper or electronic copy of the "Blue Book" *Managing Urban Stormwater: Soils and Construction*, (Landcom, 2004), a pen, paper and some highlighting markers. The "Blue Book" can be downloaded at: <https://www.environment.nsw.gov.au/research-and-publications/publications-search/managing-urban-stormwater-soils-and-construction-volume-1-4th-edition>

**Who should attend?**

- Site construction personnel
- Developers and Consultants
- Local and State Government Officers

## Workshop 2: How to Use the Blue Book

Workshop 2 is designed for staff who need to understand key technical and management issues relating to erosion and sediment control in the urban environment in NSW.

The workshop gives a broad overview of the material contained in the "Blue Book". It introduces RUSLE, the

Revised Universal Soil Loss Equation, as a tool for assessing erosion risk at a site under different management conditions.

This workshop is designed to guide participants through the "Blue Book" so they can apply it to their plans and sites. We look at what site issues should be considered when planning for erosion and sediment control and how they might affect your proposed works.

**Topics include:** site assessment and site planning, effective methods of erosion and sediment control and how to manage and inspect a work site for erosion and sediment control.

Participants should bring a paper or electronic copy of the "Blue Book".

**Who should attend?**

- Developers and Consultants
- Civil and Environmental Engineers
- Local Government Officers
- Others wishing to update their knowledge in line with the current edition of the "Blue Book"

## Workshop 3: Water Management on Construction Sites

Workshop 3 trains those responsible for the selection, design or review of temporary and permanent erosion and sediment control measures on urban construction sites.

The workshop is geared mainly for consultants who prepare and regulators who review Soil and Water Management Plans. An engineering background is not required. This workshop is equally applicable to both engineers and non-engineers.

Participants will gain a sound understanding of the design of various measures described in the "Blue Book" such as sediment basins, diversion structures and catch drains.

**Topics include:** the theory and application of water management on construction sites, how to size and design sediment basins and how to design catch drains and diversion structures.

Participants should have attended Workshop 2 first. Participants should bring a paper or electronic copy of the "Blue Book", a calculator, notebook and pen and a laptop computer. Software will be provided.

## Erosion and Sediment Control

### Course Enrolment Form (2530)

If you would like to enrol in this course please complete your details below or on-line at [www.environmentaltraining.com.au/Australian-Course-Schedule](http://www.environmentaltraining.com.au/Australian-Course-Schedule)

Participant Name	_____
Organisation	_____
Billing Address	_____
Postcode	_____
Purchase Order Number (If required by your organisation for invoicing purposes)	_____
Tel	_____
e-mail	_____

#### PLEASE REGISTER ME FOR:

Workshop 1: Fundamentals of Erosion and Sediment Control **12 May 2020**

Workshop 2: How to Use the Blue Book **13 May 2020**

Workshop 3: Water Management on Construction Sites **14 May 2020**

Workshop 4: Preparing and Reviewing Plans for Soil and Water Management **15 May 2020**


One workshop \$780 + GST  
Two workshops \$1,490 + GST  
Three workshops \$2,080 + GST  
Four workshops \$2,590 + GST

Course fee includes comprehensive course notes, software as indicated, lunches and morning and afternoon teas. Please bring required materials as noted in the brochure. Parking available, \$10 - day use, \$20 - overnight.

**Course Venue:** Hotel Urban, 194 Pacific Highway, Greenwich.

**Times:** 9.00 am – 5.00 pm each day.

**Payment Terms and Conditions:** Once enrolment form is received we will send you a tax invoice outlining payment details. Payment can be made by Electronic Funds Transfer or by cheque payable to The Centre for Environmental Training.

Reservation deadline is one week prior to any workshop. **Cancellations must be notified ten working days** prior to course start date or full fees will be payable.

#### Who should attend?

- Consultants
- Environmental Managers
- Regulators responsible for reviewing Soil and Water Management Plans

### Workshop 4: Preparing and Reviewing Plans for Soil and Water Management

Workshop 4 trains personnel responsible for the identification and design of temporary and permanent erosion and sediment control measures on construction sites and for their delineation on a plan.

The workshop pulls together the information presented at Workshops 1, 2 and 3. It is a practical application of the work undertaken at the earlier workshops. This workshop also trains regulators in the necessary skills for review of Soil and Water Management Plans and Erosion and Sediment Control Plans.

Participants will gain a sound understanding of the process involved with the selection, design and placement of a range of typical erosion and sediment control measures suitable for use on construction sites. They will be able to delineate these on a plan following the criteria set out in the "Blue Book". In addition they will be able to review such plans.

**Topics include:** the theory of plan preparation, how to prepare a plan with a guided practice exercise, how to prepare a plan using local examples and how to review Soil and Water Management Plans and Erosion and Sediment Control Plans.

Participants should bring a paper or electronic copy of the Blue Book, a calculator, notebook and pen, and a laptop computer loaded with the software provided at Workshop 3.

#### Who should attend?

- Consultants
- Environmental Managers
- Regulators responsible for review of Consultants' plans
- Others who have attended Workshops 1, 2, and 3 and wish to be prepared for the International Erosion Control Association **Certified Professional in Erosion and Sediment Control (CPESC)** Fundamentals Examination.

### Certified Professional in Erosion and Sediment Control (CPESC)

These workshops are designed to cover the theory required for the International Erosion Control Association **Certified Professional in Erosion and Sediment Control (CPESC)** Fundamentals Examination. Examination candidates need to know both the theory and its application in a practical context and must have requisite experience.

Further information on the CPESC qualification can be obtained from the IECA website:

<http://www.austieca.com.au/CPESC/tabid/62/Default.aspx>

Information on arrangements for completion of the IECA CPESC Fundamentals Examination can be obtained from IECA Australasia, email: [admin@austieca.com.au](mailto:admin@austieca.com.au)

### Further E&SC Courses

These workshops:

Workshop 1: Fundamentals of Erosion and Sediment Control  
Workshop 2: How to Use the Blue Book  
Workshop 3: Water Management on Construction Sites  
Workshop 4: Preparing and Reviewing SWMPs/ESCPs

and for those working in specific industry sectors, specialised Erosion and Sediment Control Courses for:

- **Main Road Construction**
  - **Rail Construction and Maintenance**
  - **Coal Seam Gas Operations \***
  - **Services and Linear Easements**
  - **Unsealed Roads \***
  - **Mines and Quarries**
  - **Waste Landfills**
- along with our very popular courses:
- **Practical Erosion and Sediment Control for the Workforce \* (1-day)**
  - **Selecting and Installing Erosion and Sediment Control Measures \* (half-day)**

can be run as in-house courses at any location.

\* IECA Approved Training



**Please contact us to discuss your training requirements.**

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