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## Erosion and Sediment Control

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### Workshop 1: Fundamentals of Erosion and Sediment Control

Workshop 1 provides training for people responsible for the selection, construction and maintenance of temporary and permanent erosion and sediment control measures on construction sites.

The workshop is geared to people without a background in soils who wish to expand their knowledge of these topics from a practical perspective rather than detailed design.

This practical, stand-alone workshop does not address engineering considerations, mathematical calculations or preparing plans for erosion and sediment control and is ideal for onsite construction workers. Those intending to attend Workshops 2, 3 or 4 should attend this workshop first.

Participants should bring a copy of the Blue Book (*Managing Urban Stormwater: Soils and Construction*, Landcom, 2004), a pen, paper and some highlighting markers.

#### Workshop content:

- Theory of Soil Erosion
- Erosion and Sediment Control Products
- Implementing Effective Erosion and Sediment Control Best Management Practices
- A practical session where participants are given a case study on implementing a Soil and Water Management Plan

#### Who should attend?

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

### Workshop 2: What's in the "Blue Book"?

Workshop 2 gives a broad overview of the material contained in *Managing Urban Stormwater: Soils and Construction* (Landcom, 2004) (the "Blue Book"). This workshop 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. It introduces 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. Participants should bring a copy of the most recent edition of the "Blue Book" (4<sup>th</sup> Edition).

#### Workshop content:

- Site Assessment and Site Planning
- Erosion Control
- Sediment Control
- Site Management and Inspection

#### 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.

Workshop 3 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.

Workshop 3 participants should have attended Workshop 2 first. Participants should bring a copy of the most recent edition of the "Blue Book" (4<sup>th</sup> Edition), a calculator, notebook and pen, and if possible, a laptop computer. A software CD will be provided.

#### Workshop content:

- Theory of Water Management
- Application of Water Management on Construction Sites
- Sizing and Designing Sediment Basins
- Designing Catch Drains and Diversion Structures

#### 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. Workshop 4 pulls together the information presented at Workshops 1, 2 and 3. It is a practical application of the work undertaken at the earlier workshops. The workshop also trains regulators in the necessary skills for review of SWMPs/ESCPs.

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 *Managing Urban Stormwater: Soils and Construction* (Landcom, 2004) (the "Blue Book"). In addition they will be able to review such plans. Participants should bring a copy of the most recent edition of the "Blue Book", (4<sup>th</sup> Edition), a calculator, notebook and pen, and a laptop computer loaded with the software provided at Workshop 3.

#### Workshop content:

- Theory of Plan Preparation
- Guided Practice - Plan Preparation
- Plan Preparation Using Local Examples
- Reviewing SWMPs and ESCPs

#### 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's examination for **Certified Professional in Erosion and Sediment Control (CPESC)**.

**Arrangements for sitting the CPESC examination can be made with IECA (Australasia).**

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### *Expression of Interest*

Please place my name on the mailing list for information on future courses:

Name

Organisation

Address

Postcode

Tel

Fax

e-mail

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Courses generally run from 8.30am to 4.30pm.

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

Participants should bring required materials as noted.

Limited places are available. Reservation deadline is one week prior to any workshop.

Places are reserved on receipt of payment.

Please call for details of upcoming dates and venues.

**The Centre for Environmental Training**  
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### *Erosion and Sediment Control Workshops*

- Workshop 1: Fundamentals of Erosion and Sediment Control
- Workshop 2: What's in the "Blue Book"?
- Workshop 3: Water Management on Construction Sites
- Workshop 4: Preparing and Reviewing Plans for Soil and Water Management

These workshops are based on Volume 1 of *Managing Urban Stormwater: Soils and Construction* (Landcom, 2004) (the "Blue Book"). They have been prepared by the team responsible for developing Volume 1 of that text and are offered separately or together as a comprehensive program.

Together, the workshops cover the theory required for the International Erosion Control Association (IECA) examination for **Certified Professional in Erosion and Sediment Control (CPESC)**. Examination candidates need to know both the theory and its application in a practical context. Arrangements for sitting the CPESC examination can be made with IECA (Australasia).

The IECA has endorsed these workshops.

These workshops are also available for in-house delivery. Please call the Centre for Environmental Training on 02 4954 4997 to discuss your requirements.

### *Volume 2 of the "Blue Book"*

For those working in specific industry sectors we offer additional half-day workshops on each of the sections in Volume 2 of the Blue Book:

- Services
- Waste Landfills
- Unsealed Roads
- Main Road Construction
- Mines and Quarries

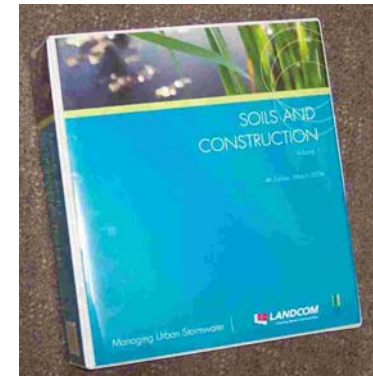
Please call the Centre for Environmental Training on 02 4954 4997 for further information.

*Four 1-day professional development workshops for practitioners in*

# Erosion and Sediment Control

**Leading to Certified Professional in Erosion and Sediment Control (CPESC) qualification**

*Courses offered throughout NSW*



*Prepared by Rick Morse and Andrew Macleod*



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