



Centre for Environmental Training

Erosion and Sediment Control

Brisbane, QLD

Best Practice Erosion & Sediment Control

Book 1 – Chapters

November 2008



9-12 September 2019



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

Erosion and Sediment Control

- Four one-day professional development workshops
- A comprehensive and integrated course for practitioners
- Based on the IECA Best Practice in Erosion and Sediment Control Manual (2008)
- Includes detailed coverage of the revised Appendix B (2018) including Type A and Type B sediment basins
- Covers the theory required for the IECA Fundamentals 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 and must have requisite experience
- On completion of the course, arrangements can be made through the IECA Australasia office, email: admin@austieca.com.au, to sit the examination
- Over 1500 participants in last 10 years; many have successfully obtained CPESC qualification
- Experienced, passionate, knowledgeable and engaging trainers; Bill Johnson, Andrew Macleod and Kel Sanson

Workshop 1: Fundamentals of Erosion and Sediment Control

Workshop 1 covers the regulatory requirements, basic soil science, problem soils and how, when and why to use various erosion and sediment control products and practices. It provides independent guidance on the selection, suitability and application of temporary and permanent erosion and sediment control measures on construction and development sites. The workshop includes exercises on reading and understanding real-world examples of Erosion and Sediment Control Plans.

Workshop content:

- Legal Considerations for Erosion and Sediment Control
- Theory of Erosion and Sediment Control
- Soils, Problem Soils and Soil Conservation
- Selection and Implementation of Erosion and Sediment Control Products and Techniques

Workshop 2: How to Use the IECA Guidelines

Workshop 2 reviews the contents of the IECA Best Practice in Erosion and Sediment Control Manual and provides guidance, including the use of a flowchart, on how to use the manual for developments in Queensland. Participants require a calculator.

Workshop content:

- Site Assessment and Site Planning
- Erosion Hazard Assessment and Use of the RUSLE Equation
- Where to Find Relevant Information in the IECA Document
- Drainage, Erosion and Sediment Control Standards in accordance with IECA 2008
- Working in Watercourses
- Group Exercises – Planning for Erosion and Sediment Control on Construction Sites and Preparing an Erosion and Sediment Control Plan for a Single Lot Construction Site

Workshop 3: Water Management on Construction Sites

Workshop 3 trains those responsible for the design of erosion and sediment control measures on development sites. This workshop focuses mainly on sediment basins and water diversion structures, two key features of any Erosion and Sediment Control Plan. Participants should bring a notebook, pen and, if possible, a laptop computer. Software will be provided.

Workshop content:

- Theory of Water Management
- Application of Water Management on Construction Sites
- Sizing and Designing Types A, B, C and D Sediment Basins
- Calculating Flows for Design of Catch Drains and Diversion Structures
- Practical Examples and Real-life Practice Exercises – Small Construction Sites, Rail Corridors, Creek Crossings and Pipelines

Workshop 4: Preparing and Reviewing Erosion and Sediment Control Plans

Workshop 4 draws together the information presented in the earlier workshops. It covers the identification and design of erosion and sediment control measures on development sites and their delineation on a plan. It involves extensive group work and practical exercises to prepare and review ESCPs on major projects. Participants should ideally bring a laptop computer to complete the various exercises (one between two or three participants is acceptable).

Workshop content:

- Site Inspections, Use of Checklists and Key Points to Check
- Guided Practical Examples and Real-life Practice Exercises in ESCP Preparation and Review for Major Commercial and Road Developments

Erosion and Sediment Control

Course Enrolment Form (2367)

If you would like to enrol in this course please complete your details below or on-line at <http://www.environmentaltraining.com.au/page18967/Australian-Course-Schedule.aspx>

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 **9 September 2019**

Workshop 2: How to Use the IECA Guidelines **10 September 2019**

Workshop 3: Water Management on Construction Sites **11 September 2019**

Workshop 4: Preparing and Reviewing ESCPs **12 September 2019**

One workshop \$930 + GST
Two workshops \$1,775 + GST
Three workshops \$2,445 + GST
Four workshops \$2,995 + 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.

Course Venue: Mantra on Queen – 570 Queen Street, Brisbane QLD 4000.

Parking onsite \$15/day, subject to availability. Central Train Station – 10 minute walk. Brisbane Airport – 13km

Course Hours: 9.00am – 5.00pm 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 10 working days** prior to course start date or full fees will be payable.

Who should attend these workshops?

- Site construction personnel
- Developers and Consultants
- Civil and Environmental Engineers
- Local and State Government Officers and Regulators
- Those responsible for reviewing Erosion and Sediment Control and Soil and Water Management Plans
- Others wishing to update their knowledge in line with the current best practice approaches in the guidelines
- Those wishing to sit the CPESC Fundamentals Examination

Access to the Guidelines

All attendees should have access to the IECA (2008) Best-Practice Erosion and Sediment Control Manual during the workshops, or should be able to share a copy with a colleague.

The course includes numerous examples and exercises that require the use of this document.

Having a personal copy available during the workshops will enable attendees to make notes on, or flag, those pages and sections that are most relevant to their work. **We strongly recommend that each attendee have a copy of this text.**

IECA Best Practice in Erosion and Sediment Control Manual can be purchased from the IECA. **Allow at least 7 days from the date of ordering for delivery.** An on-line order can be placed at:

<http://www.austieca.com.au/products/bpesc/books1-3>

Other required course documents and software will be provided prior to the course.

Course Presenters



Bill Johnson
CPESC



Andrew Macleod
CPESC



Kel Sanson
CPESC

Certified Professional in Erosion and Sediment Control (CPESC)

These workshops provide a comprehensive and integrated program of instruction and exercises 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 opportunities for completion of the IECA CPESC exam can be obtained from IECA Australasia, email: admin@austieca.com.au

Further E&SC Courses

These workshops*:

- Workshop 1: Fundamentals of Erosion and Sediment Control
- Workshop 2: How to Use the Guidelines
- Workshop 3: Water Management on Construction Sites
- Workshop 4: Preparing and Reviewing 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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