



# PROFESSIONAL SHORT COURSES 2018



## ESC 1 - AWARENESS TRAINING GENERAL SITE PERSONNEL

## COURSE OVERVIEW

Delivered over 4 hours to complement project inductions, this course is specifically focussed at construction and maintenance staff undertaking works, either under the direction of a Foreman or Site Supervisor, or working remotely. Attendees will gain knowledge and skills to assist them with installing and maintaining various erosion, sediment and drainage control measures onsite to comply with project and legislative requirements surrounding Erosion and Sediment Control (ESC).

The content of the ESC 1 course is based on the "Best Practice Erosion and Sediment Control" document (IECA, 2008), however has been designed to provide a practical emphasis relevant to the target audience.

Courses are delivered by Terry Clark (Director of Topo), who has trained over 2,000 construction and public works personnel within QLD, NSW, VIC, NT and TAS. Terry holds the internationally recognised accreditation 'Certified Professional in Erosion and Sediment Control' (CPESC) and has many years of experience in planning, implementing and managing ESC aspects on a wide variety of projects including linear infrastructure (roads, pipelines, rail, transmission lines), major developments (residential, commercial and industrial), landfills and quarries. Terry has previously worked for Contractors (Tier 1 and 2) and Local Government and understands the challenges, financial constraints and working environment of those involved in construction and uses these experiences to provide a practical, insightful and engaging course for attendees.

## LEARNING OUTCOMES

- + Awareness of the impacts of poor onsite ESC management on the receiving environment
- + Basic understanding of responsibilities and requirements within relevant legislation
- + Awareness of what is considered best practice for managing ESC and the associated limitations
- + Appreciation of why some erosion and sediment control techniques are more effective than others
- + An understanding of basic construction and maintenance requirements for drainage, erosion and sediment control measures
- + Knowledge of sediment basin operation and maintenance



## COURSE PROGRAM

### 1. COURSE INTRODUCTION

- + Introduction to the issue of erosion and consequences of sedimentation on our environment
- + Overview of relevant legislation
- + Forms of erosion and erosion drivers

### 2. SEDIMENT CONTROL

- + Review of sediment control measures used onsite and discussion on their performance and limitations
- + Basic construction and maintenance requirements for all types of sediment controls
- + Overview of sediment basin operation, treatment and maintenance requirements

### 3. DRAINAGE CONTROL

- + Use of clean and dirty water diversion drains to manage runoff and control erosion generation
- + Comparison of drain lining options and rock check dams
- + Works within a waterway and temporary crossings

### 4. EROSION AND REVEGETATION

- + Using erosion control techniques to manage soil stockpiles, stabilised site access, temporary work areas and to achieve final site stabilisation
- + Comparison of various erosion control products performance, suitability for nominated works and installation and maintenance requirements

## COURSE PRESENTER

Terry is an Environmental Engineer with over 14 years direct experience in the area of soil and water management, specifically erosion and sediment control. Terry regularly presents a range of ESC training courses and is highly respected within industry as both a technical expert but also someone who can clearly communicate and provide a practical perspective. Terry has been invited by Griffith University to sessional lecture Engineering Design and has previously presented ESC training at Sydney TAFE.



Terry is a Certified Practitioner in Erosion and Sediment Control (CPESC), as well as a Registered Professional Engineer of Qld (RPEQ) and holds a Cert IV in Training and Assessment. Terry has broad experience within the environmental field having previously worked within both private industry and Government. He has developed an appreciation and detailed understanding of the entire development process from the initial project conception, design and construction phases and subsequent final delivery.

## COURSE FEES

### PRIVATE COURSE

- + Presentation onsite
- + Attendance by up to 30 staff per course
- + Flexible timing to suit work rosters
- + Printed field guide and certificate of attendance for attendees (4 PDUs)
- + **\$1,950 ex gst**
- + Travel expenses for presenter may be additional depending on site/venue location

### PUBLIC COURSE

- + Hosting of course at a ESC specific demonstration facility
- + Includes catering (morning tea, lunch and refreshments), venue hire, training tools and certificate of attendance (4 PDUs)
- + **\$220/person ex gst**

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