Erosion & Sediment Control Level 1

Overview
The Erosion and Sediment Control Level 1 course will provide participants with the knowledge and skills to assist them with installing and maintaining various erosion, sediment and drainage control measures onsite and comply with project and legislative requirements surrounding Erosion and Sediment Control (ESC).

The content of this course is based on the “Best Practice Erosion and Sediment Control” (IECA, 2008) and has been designed to provide practical instruction on how to implement control measures in an effective and compliant manner.

Who should attend
This course has been designed for workers involved in construction and maintenance activities that may result in soil erosion and sediment runoff.

Typical attendees include:
✓ Construction and maintenance staff
✓ Leading hands
✓ Supervisors
✓ Inspectors
✓ Project Managers
✓ Contractors
✓ Engineers

Learning outcomes
Participants will gain:
✓ an awareness of the impacts of poor onsite ESC management on the receiving environment
✓ a basic understanding of responsibilities and requirements within relevant legislation
✓ an awareness of what is considered best practice for managing ESC and the associated limitations
✓ an 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
✓ a practical knowledge of sediment basin operation and maintenance
✓ 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

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

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

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

Drainage control
✓ Use of clean and dirty water

Delivery (4 hours)
This course is delivered in partnership with Terry Clark of the Topo Group. Terry has trained over 1,000 public works personnel within QLD, NSW and NT. 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 public works projects.

Register online at www.ipweaq.com/courses or contact
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CPD Points for CPEng & RPEQ
4 hours