



National Construction College

The training division of



Objectives and contents of the component courses [draft 1]

Sustainability for Managers (full day)

Date: 29th June 2010 and 13th October 2010

Training objectives

- To provide an overview of sustainable construction and the role of concrete
- Understand the legal framework and the context for the sustainable development agenda within the construction environment
- Appreciate how sustainable construction can play an important role in risk management and reducing business risk
- Identify the environment and social impacts associated with concrete manufacturing and installation processes
- Commence work on an action plan that embraces the “*Sustainable Concrete Forum’s Strategy*”
- Recognition of committing to higher standards to help achieve sustainability in specific areas

Module contents

- Introduction, aims and objectives and programme, delegates own objectives
- Sustainability – definitions, business case, triple bottom line, Government Strategy for Sustainable Construction (June 2008), UK Concrete Industry Strategy (July 2008), challenges for the concrete industry
- Exercise 1 – Identifying Stakeholders
- Feedback from exercise and session summary
- Construction and the environment, concrete and the environment. On site / off site manufacture. Tools and systems available
- Impact of construction activities on society, local communities (examples of good practice). How Considerate Constructors principals could apply to the concrete industry
- Exercise 2 – Identifying the impacts of concrete activities
- Feedback from exercise and session summary
- Legislation and links to sustainability
- Implementing and communicating sustainability. Own sector guidance, best practice examples, training and development, policies and procedures, innovation
- Sustainable Construction Action Plan (consider using headings for the plan for this activity from the strategy headings from the UK Concrete Industry)
- Feedback from exercise and session summary

Waste Management (am)

Date: 30th June 2010 and 14th October 2010

Training objectives

- Provide an overview of waste management and waste minimisation
- Give a national overview of waste in the concrete industry
- Provide an understanding of how waste impacts and issues affect the concrete sector
- Highlight the key legislation relating to waste – Do's and Don'ts
- Develop an understanding how these issues affect the management of waste

Module contents

- An overview of waste management and waste minimisation
- A national overview of waste in the concrete industry
- Understanding how waste issues affect the sector
- Legislation for waste
- The management of waste – top tips
- Tool box talk
- Course summary and questions

Water Management (pm)

Date: 30th June 2010 and 14th October 2010

Training objectives

- Provide an overview of global water issues and sustainability
- Give a national overview of water usage in the concrete industry
- Provide an understanding of how water impacts and issues affect the concrete sector
- Highlight the key legislation relating to water – Do's and Don'ts
- Develop an understanding how these issues affect the management of water

Module contents

- Introduction to water and sustainability – the big picture
- UK water overview
- Identifying risks
- How water use and water pollution issues affect the sector
- Water legislation and regulators
- Good practice: water use
- Good practice: preventing pollution
- Tool box talk

Social Issues Management (am)

Date: 14th July 2010 and 22nd October 2010

Training objectives

- Understand the social impacts and issues associated with concrete industry activities
- Develop an understanding of why social issues are important in the context of sustainable construction
- Highlight how social issues can present an economic risk to the business if not managed effectively
- Identify the range of stakeholders associated with a concrete industry site
- Identify the host of social issues facing the concrete industry and assist in developing their organisational response
- Assist in dealing with stakeholder concerns

Module contents

- Social issues in the sustainable construction context
- Social impacts of production sites
- Identifying and minimising social impacts
- Legislation
- Diversity and equality in the workplace
- Techniques for embracing equality and overcoming barriers
- Communicating social issues
- Tool Box talk

Energy Management (pm)

Date: 14th July 2010 and 22nd October 2010

Training objectives

- Provide a global and national overview of the impacts associated with energy use and energy production
- Provide an understanding of how energy impacts and issues affect the concrete industry
- Highlight the key legislation relating to energy
- Develop an understanding of how energy can be managed on production sites
- Enable delegates to identify opportunities to reduce energy use in the workplace

Module contents

- Energy impacts – the big picture
- Energy, construction and concrete
- Exercise 1: Identifying areas of energy use
- Legal overview and good practice
- Exercise 2: Tool box talk
- Course summary and questions

Environmental Management Systems (am)

Date: 20th July 2010 and 27th October 2010

EMS Training objectives

- Provide an overview of what constitutes an EMS
- Understand why businesses implement EMS's
- Appreciate the role that an EMS can play in reducing business risk
- Appreciate the key environmental legislation that an EMS is likely to include
- Understand how to identify key environmental aspects and assess their significance
- Identify an action plan to develop and implement an EMS that can be approved by a UKAS accredited certification body

Module contents

- Review types of EMSs, with particular emphasis on ISO 14001
- Review business drivers for having an EMS
- Understand how environmental issues can impact on business
- Review key environmental legislation, discuss legal registers and update systems
- Review typical environmental aspects within a typical business
- Examine different methodologies for assessing risk and ranking significance
- Develop an action plan for delegates to take back to their company

Responsible sourcing (pm)

Date: 20th July 2010 and 27th October 2010

RS Training objectives

- Provide an overview of the background to Responsible Sourcing
- Appreciate the drivers that encourage businesses to adopt Responsible Sourcing
- Understand the options for becoming certified to a Responsible Sourcing Standard, with particular emphasis on the BES 6001 and BS 8902 standards
- Appreciate the role of sector guidance in the certification process
- Appreciate the links between BES 6001 certification and the Code for Sustainable Homes
- Provide an opportunity for delegates to "self assess" their performance against BES 6001
- Identify an action plan to implement a Responsible Sourcing system that can be approved by a UKAS accredited certification body

Module contents

- Review background to Responsible Sourcing
- Review business drivers for having Responsible Sourcing certification
- Examine certification options for BES 6001 and BS 8902
- Review sector guidance for the concrete industry
- Review the link between BES 6001 pass rates and Code for Sustainable Homes points
- How to carry out a self-assessment of a business against the requirements of BES 6001
- Develop an action plan for delegates to take back to their company

Note: The contents of the modules may be slightly modified from this draft which is dated 2.3.10

Sustainable Concrete Forum

Enquiries and booking forms from info@britishprecast.org

Further information and booking forms at www.sustainableconcrete.org.uk