Construction: organising a safe and healthy construction site

The CDM-C viewpoint
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What we are going to cover

• Looking at the CDM 2007 Regulations
• Construction Phase Planning
• Welfare
• Back to Basics
• Site Set up
Paragraph two of the ACOP

The key aim of CDM2007 is to integrate health and safety into the management of the project and to encourage everyone involved to work together to:
(a) improve the planning and management of projects from the very start;
(b) identify hazards early on, so they can be eliminated or reduced at the design or planning stage and the remaining risks can be properly managed;
(c) target effort where it can do the most good in terms of health and safety; and
(d) discourage unnecessary bureaucracy.

Paragraph four of the ACOP

The effort devoted to planning and managing health and safety should be in proportion to the risks and complexity associated with the project. When deciding what you need to do to comply with these Regulations, your focus should always be on action necessary to reduce and manage risks. Any paperwork produced should help with communication and risk management. Paperwork which adds little to the management of risk is a waste of effort, and can be a dangerous distraction from the real business of risk reduction and management.
What do the words mean to you?

Safety
Health
Environment
Quality
Plan
Are we any good at them?

Construction Phase Health and Safety Plan

• Let’s do what it says on the tin!

• Make a document that is useful on site
What are we looking after?

Health Issues
- Carcinogens
- Irritants to skin
- Vibration
- Noise
- Risks to lungs
- Muscles, bones & joints
- Food & drink
- Toilets

Safety Issues
- Slips & trips
- Falls from height
- Falling objects
- Being struck by machinery
- Cuts

Welfare

- Luxury Toilet Trailer
- Premier Toilet Trailer
- De-Luxe Toilet Trailer
- Single-Seat Contained Toilet Units
- Disabled Toilet Unit
- Disabled Toilet Unit with Baby Change Facilities
- Multiple Gents Urinal Unit
- Marina Multi-event Toilet Trailer
- Portable Lakes at Your Service
Principles of Protection

- Eliminate
- Reduce
- Protect

- PPE is the last resort - Why is it always the first item on the list?

Site Plan

- Vehicles and pedestrians
- Storage of new and waste materials
- Control of the site / visitors
- Fuel
- Entry and exit
- Emergency vehicle access
- Temporary power
- Remote locations
- Neighbours
The Principal Contractor’s View
Over to you, Sam

ORGANISING A SAFE AND HEALTHY CONSTRUCTION SITE

Sam Duxbury
SHE Manager
Walter Carefoot & Sons (Construction) Ltd
CDM Regulations 2007

Managing Health and Safety in Construction
ACOP
L144
Tell you all you need to know about the regulations.

Getting Started

Creating a safe and healthy construction site is very much like constructing the building.

You need some good foundations and quality workmanship.
Ingredients

- Documentation
- Systems & Procedures
- Site set up and establishment
- Logistics
- Segregating the site
- Protecting the public
- Accommodation and welfare
- Emergency procedures
- Good Co-operation

Documentation

Pre Construction Information
- Should provide information to allow the work to be planned and managed in a safe and workmanlike manner

THE RIGHT INFORMATION FOR THE RIGHT PEOPLE AT THE RIGHT TIME
Documentation

Construction Phase Plan

- Should identify the risks to health and safety arising from the construction work (including the risks specific to the particular type of construction work concerned) and include suitable and sufficient measures to address such risks, including any site rules.

Documentation

- Company documents
  - Business Processes and Procedures Manual
  - Safety Documentation
  - Asbestos
  - HAV
  - Face Fit Testing
Construction phase plan

- Planning
- Managing
- Well set out easy to understand
- Prevention
- Working together
- Specific
- Updated / Amended

Procurement Process

- Contracts Managers and Site Managers and Quantity Surveyors sit down with all contractors and go through the works package and all our procedures that will apply on the project.
Program

- Vital for any project regardless of size

Site Set Up & Establishment

- Visit Site
  - Tender Stage
  - Check Pre Construction Info
  - Communications
  - Local environment
  - Use Google Maps
  - Car Parking
  - Material Deliveries
  - Best Route
Site Set Up & Establishment

- Neighbours
- Prospective client
- Shops
- Schools
- Bus Stops
- Train Stations
- Refuse Collection
- Time of Day
Site Set Up & Establishment

Site Induction

- Sets the Ground Rules
- Time
- Location
- Specific
- Introduction to the Project
- Expectations
- Duration
Site Fencing / Hoarding

- This is Temporary Works
- Suitable to prevent unauthorised access, especially children
- Maintained
- Create a good impression
- Have separate access for pedestrians and vehicles

Protecting the Public
Protecting the Public

Traffic Management / Segregation
- Can Change from day to day
- Keep Pedestrians and Vehicles Apart
- Off site parking
- Material deliveries
- Storage areas
- One way systems
- Turning areas
- Work areas
- Emergency access
Traffic Management / Segregation

- Banksman
  - Prevents access, not responsible for the supervision of vehicle manoeuvres
Traffic Management / Segregation

Site Tidiness

- Just in Time Deliveries
- Designated Storage Areas
- Waste Materials
- Over ordering / Temporary Depot
- Cleaning regime
- Suitable and sufficient bins
- Skips emptied on regular basis
Site Tidiness

• Keep it Clean it Sets the Scene
• Storage and Walkways

Site Tidiness

• Keep it Clean it Sets the Scene
• Clear work areas and walkways
Site Tidiness

- Keep it Clean it Sets the Scene
- Waste segregation (Environment)

Site Tidiness

- Creating the wrong impression
Site Tidiness

• Creating the wrong impression
Welfare Arrangements

• Covered in CDM Regs

[Unacceptable vs Good example images]
Welfare Arrangements

- Covered in CDM Regs

Emergency Procedures
Summary

• Planning is key to having a successful site
• Work as a team
• Set your expectations early
• Work with your contractors
• Monitor
• Improve

Organising a Safe and Healthy Construction Site

QUESTIONS

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