

RISK ASSESSMENT CONSIDERATIONS

ASSESSMENT CONSIDERATION N° : D1	Issue: 11
RISK HAZARD/HAZARDOUS ACTIVITY : Vehicle & Plant Movements	Date: Nov 15
Mandatory Controls (Legislative/Company Requirements):	
a) When planning the site layout and operations/activities, vehicle and pedestrian movements will be separated where possible and arranged to minimise the need for reversing operations eg: by introducing one-way systems. The overall site arrangements will be detailed in the Project Management Plan (or Office Health, Safety and Environmental Plan). b) All vehicles (including Lorries, plant and other mobile equipment) will provide the driver/operator with clear all-round visibility. As a minimum, such that a 1m high object, 1m from any point on the vehicle, can be seen by the driver/operator from the driver/operator's position. This can be achieved using visibility aids such as closed-circuit television and convex mirrors. c) Where it is not reasonably practicable to achieve the above, or in addition to the above where it is necessary to assist in the accurate positioning of the vehicle, vehicle marshalls will be used to control vehicular movements. Where this is the case vehicle marshalls are to have received the CITB 1-day "Take Control: Vehicle Marshalling" training or equivalent. Additionally both drivers/plant operators and vehicle marshalls are to be briefed on the planned arrangements and issued with the Interserve Construction pocket card L104, "Reversing Vehicles". d) Vehicle and pedestrian routes will be suitably signed and delineated. e) Vehicle and pedestrian route surfaces will be maintained in a safe condition, pedestrian routes being free from tripping hazards. f) All persons will wear high visibility clothing. g) The use of headphones and earphones to listen to music from a personnel music device is prohibited. h) The use of mobile phones on site to make phone calls is prohibited, other than in designated mobile phone zones, or to raise the alarm in the event of an emergency on site. i) The use of mobile devices on site for purposes other than to make phone calls is permitted only if it is for business use and the individual using the mobile device considers themselves to be, and is, in a "safe area".	
Note: an area <u>is not</u> a safe area if there are vehicle and plant movements in that area.	
Possible Controls for Consideration:	
a) Vehicles and plant to be fitted with flashing beacons. b) Introduce mandatory site speed limit. c) Provide no reversing without vehicle marshall and site speed limit signs.	
For additional guidance see:	
▪ CIP Manual Section D5	

RISK ASSESSMENT CONSIDERATIONS

ASSESSMENT CONSIDERATION N°	: D1a	Issue: 4
RISK HAZARD/HAZARDOUS ACTIVITY	: Vehicle & Plant Movements - Off-site movements & deliveries, unloading & loading	Date: Aug 16

Mandatory Controls (Legislative/Company Requirements):

Off-Site

- When planning arrangements for a project consideration is to be given to off-site vehicle movements to reduce the negative effects of construction traffic; these to include identification of appropriate traffic routes and any restrictions on site traffic times. This to be detailed in the "Green Travel and Construction Logistics Plan" (Part of the Project Management Plan).
- All fleet operators of vehicles over 3.5 tonnes gross vehicle weight to be accredited/certified to an independent audit body, such as the Fleet Operator Registration Scheme (FORS), have in place a system for collision reporting for their vehicles and driver licence checks and have in place a driver training and development programme specifically covering the safety of vulnerable road users (e.g. cyclists).
- All vehicles over 3.5 tonnes gross vehicle weight to be fitted with prominent signage that visually warns other road users not to get too close to the vehicle.
- All vehicles over 3.5 tonnes gross vehicle weight to be fitted with side under-run protection.
- All vehicles over 3.5 tonnes gross vehicle weight will provide the driver with clear all-round visibility. This can be achieved using blind-spot minimisation aids such as closed circuit television and class IV mirrors.
- All vehicles over 3.5 tonnes gross vehicle weight to be fitted with enhanced audible means to warn other road users of a vehicles left turn manoeuvre.

Deliveries, unloading and loading - all areas

- When planning, site layout/operations/activities, details for deliveries, unloading and loading are to be considered and established. This to be detailed in the Project Management Plan (or Office Health, Safety and Environmental Plan).
- Method(s) of unloading to be identified (crane/Hiab/forklift/telehandler/other) with delivery, unloading and loading area appropriate for the method(s). Surface to be of sufficient size, level with adequate ground bearing capacity.
- Where personal access could be necessary to unload/load/sheet loads/etc. to be considered and planned in accordance with hierarchy of control - eliminate (no access) - collective protection (handrails) - individual protection (work restraint harness) - reduce consequences of a fall with collective measures (air bags/nets) - reduce consequences of a fall with individual measures (fall arrest harness).
- Vehicular access to the site to be considered with restrictions such as specified times, reduced width/height, weight limits or overhead obstructions identified.
- Responsibility and arrangements of all the above to be agreed and communicated to contractors and suppliers.

Possible Controls for Consideration:

- Use "confirmation of Delivery Arrangements" ref. L55 to confirm access arrangements with the contractor/supplier.

For additional guidance see:

- CIP Manual Section D5

RISK ASSESSMENT CONSIDERATIONS

ASSESSMENT CONSIDERATION N° : D2 RISK HAZARD/HAZARDOUS ACTIVITY : Public	Issue: 5 Date: Mar 14
Mandatory Controls (Legislative/Company Requirements): a) The public will be kept out of the site by:- - adequate, suitably maintained fencing and hoarding - keeping gates closed - adequate signage on fencing, especially warning parents and children b) The public will be protected from falling objects where necessary by installing:- - scaffold fans - debris netting - scaffolds that prevent even the smallest objects from falling through - fencing keeping them well away from work at height where possible c) To protect those gaining unauthorised access:- - Ladders will be removed/boarded when site closed - Excavations or other situations likely to collect deep water will be maintained dry, or be securely fenced, with appropriate warning signs. - Materials will be stored securely, including:- • pipes chocked to prevent rolling • manhole rings on end not on side • block/brick packs no more than 2 high • gas bottles in cages • hazardous/flammable materials suitably stored d) Pedestrians will be protected from site traffic by closely controlling vehicle movements at the site entrance, using banksmen or traffic lights where necessary. Pedestrians will be directed away from footpaths past the site entrance where possible. e) Fencing will be installed to both sides of any footpaths crossing a site. f) Any operations outside the site will be fenced off from the public, having full regard to Chapter 8 requirements.	
Possible Controls for Consideration: a) Touring local schools to explain the dangers of construction sites to local children. b) A mailshot around local home owners to:- - explain the dangers - apologise for any disruption due to noise, dust, vehicles, etc - explain what the contract is	
For additional guidance see: ▪ CIP Manual Section A2	

RISK ASSESSMENT CONSIDERATIONS

ASSESSMENT CONSIDERATION N° : D15

Issue: 10

RISK HAZARD/HAZARDOUS ACTIVITY : Hazardous Substances (COSHH),
including Dust
(Silica/Wood/General Construction Dust)

Date: Aug 17

Mandatory Controls (Legislative/Company Requirements):

Where the use or generation of hazardous substances cannot be avoided the following is to be done:

- a) Where use of/generation of a hazardous substance is necessary then consideration will be given to substitute hazardous substances or processes for safer alternatives.
- b) All potentially hazardous substances will be subject to a COSHH assessment in accordance with Interserve Construction Procedure LP 230.
- c) Engineering controls identified by the COSHH assessment is to be in place and maintained.
- d) The correct PPE identified by the COSHH assessment is to be available and worn.
- e) Where PPE includes close fitting respiratory protective equipment (this includes disposable half-masks), a satisfactory face fit test is to have been completed specifically for the individual and make and model of mask within the last 12 months by a tester accredited to the "Fit2Fit" scheme administered by the British Safety Industry Federation. Check www.fit2fit.org.
- f) Where PPE includes respiratory protective equipment (other than disposable), it shall be inspected every 28 days to ensure it remains in good condition and fit for purpose. Inspections to be recorded on form L91g or similar.
- g) Where the COSHH assessment identifies the need for health surveillance individuals potentially exposed are to be under an appropriate health surveillance regime.
- h) Risk are to be assessed and controls are to be in place for the risks posed to the environment and other people outside the site from dust, fumes, spillage, etc.
- i) Debris and dust is to be removed by damping down and using a rake or shovel to remove larger pieces where necessary. A class H or M vacuum is to be used for finer material and dust. The method of emptying the vacuum is to be in accordance with the vacuum manufactures guidance and minimise exposure of those in the vicinity to the dust waste.

Possible Controls for Consideration:

- a) Minimise number of personnel in work area.
- b) Utilise electrical plant instead of petrol/diesel.

For additional guidance see:

- CIP Manual Section C4

ASSESSMENT CONSIDERATION N° : D18	Issue: 7
RISK HAZARD/HAZARDOUS ACTIVITY : Noise	Date: May 14
Mandatory Controls (Legislative/Company Requirements): Where "noisy" operations cannot be avoided the following is to be done: a) Noise levels will be reduced at source where possible by: - obtaining noise information from suppliers and obtaining least noisy equipment - plant and equipment being maintained in a good state of repair (silencers, etc) - siting noise sources remote from workforce and others where possible b) Where noise levels at the workforce remain above 80 dB(A)), formal noise assessments will be recorded by either: - subcontractors for subcontractors works - site team using Interserve Construction information (L12) or supplier's information, recording on Form L13 - safety adviser using noise meter, recording on Form L13a c) Where noise levels are above 85 dB (A), ear protection zones will be established and signed. d) Ear protection will be worn when required by noise assessment and within established ear protection zones	
Possible Controls for Consideration: a) Reduce noise by the provision of enclosures, eg: acoustic booths or barriers b) Give notice to the public who may be subject to noise nuisance by letter drops, etc	
For additional guidance see: ▪ CIP Manual Section C6	

RISK ASSESSMENT CONSIDERATIONS

ASSESSMENT CONSIDERATION N°	: D30	Issue: 4
RISK HAZARD/HAZARDOUS ACTIVITY	: Inclement/Extreme Weather	Date: Aug 16

Mandatory Controls (Legislative/Company Requirements):

NOTE: The following controls are additional and complimentary to those detailed in D1, "Vehicle & Plant Movements", D4, "Working at Height - General", D4, "Underfoot conditions (Slips, Trips and Falls)", D5, "Working at Height - General", D11, "Lifting Operations - Craneage", D26 "Lone Working", and numerous other Risk Assessment Considerations.

Cold Weather - Ice and Snow

- Arrangements to be considered, planned with responsibilities allocated to ensure during periods of ice and snow that:
 - Parking and pedestrian routes are gritted and clear.
 - Vehicular routes are gritted and clear.
 - Working areas (inc. scaffold platforms, roof work etc.) together with associated access/egress routes are maintained in a slip free condition, or activities suspended at times when working areas cannot be maintained.
- Welfare arrangements are provided and sited to afford shelter/protection and maintained such that water supplies are maintained for toilet, washing and canteen facilities.
- "Cold Weather" toolbox talk reference L33.D30 to be delivered to the workforce undertaking outside activities.

Hot Weather

- Arrangements to be considered, planned with responsibilities allocated to ensure during periods of hot weather:
 - The environment in working areas (eg roof spaces etc.) is maintained or working practices developed/timed to reduce the risk of heat exhaustion.
- Welfare arrangements are provided and sited to afford shelter/protection with additional drinking water stations as appropriate.
- Individuals are to be encouraged to cover up with loose fitting clothing; Individuals are to wear full length trousers and have their torso's covered.
- "Sun Safety" toolbox talk reference L33.D29b to be delivered to the workforce undertaking outside activities.

High Winds

- Arrangements to be considered and planned with responsibilities allocated for periods of high winds. This to include minimising materials and waste being stored in exposed locations (rooftops etc.) and securing or tying down materials and waste that is stored.
- Temporary works (hoardings, sheeted "heras" fencing etc.) is designed and installed to withstand anticipated wind loadings as risk consideration D25, "Structural Instability".
- Operations involving handling and moving materials and items presenting a large surface area (e.g. sheet materials/cladding panels), including lifting operations, wind loading to be considered when planning operation, with safe wind speed parameters established, included in method statement or lifting plan, wind speed measured (anemometer) and works suspended when wind is out-with the safe wind speed.