

PRELIMINARY SAFETY AND HEALTH PLAN AT DESIGN STAGE

General

The Safety, Health and Welfare at Work Act 2005 section 15 - Person in control of place of work

The Appointed PSCS will take on the responsibility of the 'person in control of places of work' as identified in section 15 of the 2005 Act. In that they so far as is reasonably practicable, the PSCS will ensure that access, egress, articles or substance provided for use are safe and without risk to health. The PSCS must review and fully implement the requirements of section 15 as it applies to their designated sites and compound areas.

The Safety, Health and Welfare at Work (Construction) Regulations 2013

This Preliminary Safety and Health Plan has been developed by the PSDP as required by Regulation 12 of The Safety, Health and Welfare at Work (Construction) Regulations 2013.

Client Responsibilities

The document is intended to fulfill the obligations of the Client under Regulation 9, by providing information, on health, safety and welfare matters that need to be considered when undertaking work on the construction project to any persons being considered for the role of Project Supervisor Construction Stage (PSCS) for the Project. This document provides a general description of the project, Client's considerations and Management requirements, Environmental restrictions and existing on-site risks i.e. Safety hazards, health hazards and any significant design and construction hazards. This information may assist the PSCS in the further development of the Safety & Health Plan as required under Regulation 16 of The Safety, Health & Welfare (Construction) Regulations 2013, in order to demonstrate that appropriate account will be taken of the health and safety arrangements, prior to the commencement of works on site.

Design

Appendix D contains Designers Risk Assessments provided by the design team, which provide details of the health, and safety risks as far as they are known. This includes information provided by the Client's Design Team about the hazards they were unable to eliminate and assumptions they have made about precautions, which may be taken by the Contractor to limit their impact. If further hazards are identified during the construction phase the Contractor/Designer may be required to further develop this Hazard Assessment. The Project Supervisor for the Construction Stage on the project should review the information included or referenced within this document in order to demonstrate that appropriate health & safety arrangements will be implemented. Any conflict between the details contained in this document and any other contract document should be brought to the attention of the ER for resolution.

Purpose

This document provides a structure for the Engineer Officer when acting as the PSDP to develop a structured template into a site specific Preliminary Safety & Health Plan. The

Structure and contents illustrated below can be used in both a hard copy and electronic file structure.

Scope

The scope of this document is to comply with the duties of the PSDP as imposed by Regulation 12 of The Safety, Health and Welfare at Work (Construction) Regulations 2013.

Definitions

PSDP – Project Supervisor Design Process

PSCS - Project Supervisor Construction Stage

ER – Employer’s Representative

Site Information

Site Address

Haulbowline Naval Base, Cork. The site is indicated on the Site Layout Drawing.

Site Contact Details

All initial contact should be made through the Engineer Officer, Comdt. Conor Butler at 0851155102.

Project Information

Project Description

The project involves the Repointing of External Stonework on Block 8.

Commencement and Completion Dates

Refer to Tender & Schedule.

Particular Risks

The following is a non-exhaustive list of particular risks, as defined within the first schedule of The Safety, Health and Welfare at Work (Construction) Regulations 2013. This information will be required where applicable as part of the risks identified by the PSDP for inclusion in the Preliminary Safety and Health Plan. Detailed Risk information is provided in Appendix A.

No.	Particular Risk	Yes	No
1	Burial under earth falls		✓
2	Engulfment in swampland		✓
3	Working at heights or falling from a height	✓	
4	Work which puts persons at risk from chemical or biological substances constituting a particular danger to the safety and health of such persons or involving a legal requirement for health monitoring		✓
5	Work with ionising radiation requiring the designation of		✓

	controlled or supervised areas as defined in Article 20 of Directive 80/836/Euratom		
6	Work near high voltage power lines	✓	
7	Work involving the disturbance or removal of asbestos		✓
8	Work in confined spaces	✓	
9	Demolition which could compromise existing structure		✓
10	Working near existing services (internally)	✓	
11	Excavations presenting the potential for buried services	✓	
12	Work exposing persons at work to the risk of drowning		✓
13	Work on wells, underground earthwork and tunnels		✓
14	Work carried out by divers at work having a system of air supply		✓
15	Work carried out in a caisson with a compressed air atmosphere		✓
16	Work involving the use of explosives		✓
17	Work involving the assembly or dismantling of heavy prefabricated components		✓
18	Any other work, which may involve 'Particular' risks	✓	

Table 3.1 – List of Risks

Particular Risks

Health and Safety File

There is not an existing Safety & Health File for this site.

Residual Hazards

The elements, which need to be addressed specifically by the PSCS, as noted within this document are highlighted below:

(These include residual significant hazards that are to be noted by the PSCS (i.e. taken from design risk workshop, examples include all temporary works, deep excavations etc...)

Designers Risk Assessments (DRA)

The PSCS must ensure that the Designers' Risk Assessments (DRAs) are taken into consideration. The DRAs are attached as Appendix D to this preliminary Safety & Health Plan.

Site Wide Elements

Position of Access/Egress

The position of general access and egress and for means of transport of materials to site is to be arranged with the client. Note however that consideration should be given to the following:

Protection of general public and military personnel from site activities

General access / egress routes to be kept clear at all times

Delivery of materials to be under supervision to avoid contact with persons and to be

programmed to be during the road opening hours

The location of the delivery/unloading point should be identified within the Safety and Health Plan for Construction after consideration of the following:

There is limited space for delivery of materials to site. (Position to be agreed with Client and PSDP).

Unloading should NOT be done without supervision.

Vehicles should not manoeuvre without suitable and trained Banksmen.

Welfare Arrangements

Under Regulation 17 (3) a & b, The Project Supervisor for the Construction Stage shall co-ordinate the arrangements for the provision and maintenance, in an appropriate condition, of site welfare facilities for all persons at work on the construction site, in accordance with Part 14 of the Safety, Health & Welfare at Work Regulations 2013. Welfare arrangements are to be suitable and sufficient considering the site undertaking. A description and location of these facilities is to be included in the Safety and Health Plan for Construction.

Storage Provisions

The Contractor should avoid where possible the storage of flammable materials on-site. Should this be unavoidable then the exact position should be agreed with the Client / PSDP. All materials should be stored within appropriate storage containers.

Housekeeping / Disposal of Waste

Good housekeeping is an essential part of a safe and efficiently run site. Waste materials should be disposed of promptly and into suitable containers. Waste should be removed from site at regular intervals to avoid a build up of rubbish.

Emergency Procedures / Routes / Exits

The Contractor is to provide suitable fire fighting equipment and maintain an emergency evacuation procedure throughout the progress of the works. A competent person should be appointed to act as a fire marshal and the proposed fire emergency procedures are to be described in the Safety and Health Plan for Construction. The adopted procedures are to be brought to the attention of all operatives and visitors to the site. Care should be taken to ensure all emergency routes are to remain open throughout the duration of the project. Materials, stores, skips, site accommodation etc. should be positioned so as to ensure that emergency access/egress routes remain unobstructed.

First Aid

The Contractor is to provide adequate provisions for the administering of first aid. The amount of first aid equipment is to be assessed based upon the risk of the project and the numbers of personnel on site.

On Site Traffic

The movement of delivery vehicles is to be closely monitored and should only be done under the supervision of a suitable and trained banksman. Where there is an overlap between site

activities and public space then an assessment should be carried out to identify potential risk. Suitable control measures are to be put in place to protect the public. Contractors must also make themselves aware of any vehicular weight restrictions, which may apply in or around the site.

Clients and Occupiers Activities

Third Party Considerations

The Contractor is to be responsible for ensuring that the site remains secure at all times. Surrounding lands are to remain occupied and used by 3rd parties. In order to protect the general public from on site activities a detailed description of security arrangements including hoarding, fencing, signage, signing in/out procedures etc. should be included within the Safety and Health Plan for Construction.

Emergency Procedures

Specific emergency procedures must be in place prior to works commencing on site. The Contractor should liaise with the client prior to formulating the emergency specifics. The procedures are to be included within the Safety and Health Plan for Construction.

Permits to Works

Permits to work are to be used where the risks are high. Such activities should include:

Hot Works;

Working on Live Services;

Work in Confined Spaces;

Working near or under overhead lines.

Should the Contractor be aware of such activities that require a permit to work then they must be drawn to the attention of the Project Supervisor and be included within the Safety and Health Plan for Construction. Further permits to work may be enforced by the Client or their representative. Liaison with the Client is therefore advised prior to commencing the works.

Designers' Risk Assessments

Designer

Under Regulation 15 (1) (a) of the 2013 Regulations, a person who designs a construction project has a responsibility to take account of –

- i. The General Principles of Prevention contained within Schedule 2 of the Safety, Health & Welfare at Work Act, 2005 and can also be found in the core information document.
- ii. The relevant Safety and Health Plan, and Safety File under the Regulations. The term Designers has a very broad meaning and can include any of the following:
 - Architects, Civil & Structural Engineers, Building services consultants, Building Surveyors, Landscape Architects and other design practices and individuals who contribute to, or have a responsibility for analysing, calculating, preparatory design work, designing, detailing or specifying and/or preparing bills of quantities for

construction work;

- Mechanical, Electrical or Chemical and other engineers as appropriate to the project being undertaken; and
- Those who specify or alter a design, or who specify the adoption of certain methods of work or the use of specific materials (this may include the Client). This definition also includes temporary works designers, interior designers, specialist subcontractors with design input such as engineering services sub-contractors and others involved in the choice of construction materials.

Under Regulation 15 (1) (b), a Designer also has an obligation to provide in writing to the PSDP all relevant necessary information to enable him to carry out the Project Supervisor's duties under these regulations. A Designer also has an obligation to co-operate with the PSDP and PSCS and other designers to enable them to comply with the Regulations. A designer should also comply with all directions from the PSDP and PSCS that are issued pursuant to Regulation 14 or 20.

Designers' Risk Assessments

Particular Risk	Rating	Hazards Identified	Recommended Mitigation Measures
Working at heights or falling from a height	High	Falling items/debris Working on scaffolding and other heights	Detailed Method statements and risk assessments Daily coordination of activities Ensure that containment is provided and that activities are properly sequenced where there is a danger of falling material Ensure adherence to HSA Guidelines and Safety, Health and Welfare Legislation Scaffolding to be erected, modified and dismantled by suitably trained, competent scaffolder. Scaffolding to be inspected regularly and maintained in good order Scaffolding to be fitted with a 'Scaff Tag' indicating the date of inspection and installation Adequate lighting to be provided for persons working at heights Safety harnesses, lifelines, fall arrestors and other approved fall protection to be used where staging or scaffolding or other safe means of access is not practicable. In all cases, persons must be fully trained and certified in the use of the equipment used

			Ensure adherence to HSA Guidelines and Safety, Health and Welfare Legislation
Work near high voltage power lines	Med	Plant, equipment or scaffolding coming in contact with power lines	Ensure adherence to HSA Guidelines and Safety, Health and Welfare Legislation Signage to indicate the location of electrical services in and around the building Ensure a competent banksman is present
Work in confined spaces	Med	Installation of internal services	Ensure adherence to HSA Guidelines and Safety, Health and Welfare Legislation
Excavations presenting the potential for buried services	Med	Excavating for drainage, Heat Pump services and other provisions	Liaise with BFW staff to locate services that may be buried on-site Ensure a competent banksman is present Ensure adherence to HSA Guidelines and Safety, Health and Welfare Legislation
Any other work, which may involve 'Particular' risks	Med	Maintenance of safe access and egress from the site	Consideration to this in preparation of Safety & Health Plan Ensure adherence to HSA Guidelines and Safety, Health and Welfare Legislation

Table 3.3 Designers' Risk Assessments