

**CHAPTER 5 SAFETY TRAINING AND PROMOTION****5.1 SAFETY TRAINING****General**

5.1.1 It is important that all persons involved in PWP projects possess adequate safety knowledge and have a high degree of safety awareness so that they are able to:

- recognize the importance of safety and assign sufficient resources to handle it
- give proper consideration to safety during planning and design stages to eliminate/reduce safety problems during later stages of the projects
- take into account potential safety problems during preparation/vetting of method statements
- avoid performing unsafe acts
- avoid creating unsafe conditions
- identify unsafe acts/conditions and ask for rectification

**5.1.2 Contractor's Responsibility on Safety Training**

- (a) Contractors are required, under Section 6A of the Factories and Industrial Undertakings Ordinance and Section 6(c) of the Occupational Safety and Health Ordinance, to provide such information, instruction, training and supervision as is necessary to ensure, as far as reasonably practicable, the safety and health at work of all persons employed by them on their sites.
- (b) Contractors are required to ensure that all foremen and their workers including gangers, drivers and plant operators working on Site shall have attended and successfully completed a general safety induction training course recognised by Labour Department.
- (c) All persons working on Site shall receive site specific induction training as stipulated in Part II of the "Site Safety & Health Induction Training Manual" published

by the Hong Kong Construction Association Ltd. or any other equivalent courses approved by the Architect/Engineer.

- (d) Contractors are required to provide tool box talks to their workers regularly at a frequency of not less than once in every two weeks.
- (e) Contractors are required to ensure that site specific induction training and tool box talks are carried out by competent trainers who have completed courses on safety training techniques organised by the Hong Kong Construction Association Ltd. (HKCA), CITA or other approved training organisations. The topics and contents shall be proposed by the Safety Officer having regard to the activities of the Site and the prevailing safety concern at that time and approved by the Architect/Engineer's Representatives. They shall be conducted based on training kits published by the HKCA. If the proposed topic is not amongst one of those published by HKCA, the Contractor shall then procure from other sources and/or develop training kits of comparable standard for approval by the Architect/Engineer's Representative.
- (f) Contractors should arrange their management and other staff, other than workers, working on Site to receive appropriate safety training commensurate with their duties, i.e. management staff to receive safety management training and supervisors to receive safety supervisor training.
- (g) Contractors should keep records of all safety training that they have provided to their staff and workers including those on refresher training and make them available for inspection upon the request of the Architect/Engineer's Representative.

**5.1.3 Safety Training for Architect/Engineer's Site Staff**

- (a) It is important that Architect/Engineer's site staff familiarize themselves with safety requirements and safe working methods. Works departments should therefore ensure that their site staff receive adequate safety training and continuing safety education through refresher courses.

Appropriate training are appended as follows:

- Professional staff and technical inspectorate staff shall attend safety management training and site supervisory staff shall receive training for site safety supervisors. From time to time, they shall attend briefing sessions on safety and health legislation organised by the Labour Dept. to keep themselves abreast of up-to-date legal requirements.
  - Other site staff, e.g. surveyors (of the engineering and quantity disciplines) and survey staff, technical officers, artisans, chainmen, workers in direct labour force teams, etc., shall at least receive training equivalent to the Construction Industry Safety Card Course organised by the Construction Industry Training Authority or other training bodies recognised by the Labour Dept.
  - Staff carrying out specific tasks or engaged in particularly hazardous operations are required to receive training specific to their tasks and operations, i.e. training in plant operation, training for working in confined spaces, training in access to steep terrain, etc..
  - Staff should also be encouraged to receive training in fire precautions, fire fighting, first aid to enhance their emergency-preparedness.
- (b) Labour Department will help in organising safety courses and in making available safety films, safety posters, information pamphlets and guides to the Factories and Industrial Undertakings Ordinance and its subsidiary regulations. A selection of safety materials pertaining to the Works should be displayed/kept in each site office and training films and videos on construction safety should be shown on a regular basis to site staff.
- (c) Works departments should and also issue guidelines with respect to special

equipment, substances or processes which pose particular problems (e.g. chlorine handling) if necessary.

#### 5.1.4 Safety Courses Offered by Labour Department

- (a) Labour Department conducts regular industrial safety training courses which aim at familiarizing trainees with the statutory requirements on safety. These courses are offered free of charge throughout the year by the Occupational Safety and Health Training Centre of the Labour Department. The usual language of instruction for these training courses is Cantonese. The courses are held at the Occupational Safety and Health Training Centre, Labour Department, 13/F, City Landmark, 68, Chung On Street, Tsuen Wan, New Territories.
- (b) Some of the standard training courses most suitable to Architect/Engineer's site staff are listed below:
- (i) Construction Sites Safety Regulations - 1 day;
  - (ii) Major Regulations related to Industrial Accident Prevention - 1 day;
  - (iii) Legal Requirements of Working at Height - 1 day;
  - (iv) Legal Requirements of Working in Confined Spaces - 1 day;
  - (v) Lifting Appliances and Lifting Gear Regulations - 1/2 day;
  - (vi) Noise at Work Regulation - 1/2 day;
  - (vii) Safety Management Regulation - 1/2 day;
  - (viii) Electricity Safety Regulations - 1/2 days;
  - (ix) Abrasive Wheels Safety Regulations - 1/2 day;
  - (x) Suspended Working Platform Regulation - 1/2 day;

- (xi) Woodworking Machinery Regulations - 1/2 day.
  - (xii) Legal Requirements on Manual Handling - 1/2 day; and
  - (xiii) Safety Legislation in Operation of Machinery - 1/2 day.
- (c) Half-yearly time-tables for safety training courses conducted by the Labour Department are obtainable from its Occupational Safety and Health Training Centre ( Tel. no. : 2940 7091)
- (d) Labour Department may conduct special courses on safety for works departments upon request, to complement the standard courses. They may also assist in organizing on site safety courses for contractors. Training packages on certain topics are available.
- (e) Labour Department will, in conjunction with the Works Bureau, organise seminars on management of construction safety for senior members of the Architect/Engineer's site staff and Government staff involved in contracts.

#### 5.1.5 Safety Courses Offered by Other Institutions

- (a) The Occupational Safety and Health Council conducts various types of safety courses. The courses currently available are listed at **Appendix I**.
- (b) The Construction Industry Training Authority, Hong Kong Polytechnic University, City University of Hong Kong, University of Hong Kong, Seamen's Training Centre and the Hong Kong Institution of Engineers also conduct safety training courses. The courses currently offered by them are also listed at **Appendix I**.
- (c) The Fire Services Department, the Auxiliary Medical Services, Hong Kong Red Cross and St John Ambulance Association also provide courses on fire fighting and first aid respectively.

## 5.2 SAFETY PUBLICATIONS

### 5.2.1 Safety Publications by Government Departments

- (a) A list of the publications on construction safety and health that can be obtained from Labour Department, Marine Department, Electrical and Mechanical Services Department, Environmental Protection Department and Fire Services Department is set out at **Appendix II**.
- (b) The following safety manuals have been prepared by works departments:
  - (i) The Electrical and Mechanical Services Department Safety Manual
  - (ii) The Water Supplies Department Safety Manual
  - (iii) The Drainage Services Department Safety Manual

**5.2.2 Safety Publications by Occupational Safety & Health Council**

A list of the publications on construction safety and health available from the Occupational Safety and Health Council is set out at **Appendix III**.

**5.3 SAFETY PROMOTION**

**5.3.1 Contractor's Responsibility**

- (a) Contractors are encouraged to promote awareness of safety and health to their staff and workers. This should include training courses, publicity, award schemes, safety quizzes etc.
- (b) Contractors are required to display prominently on site their safety policy statements, emergency procedures, rescue organisation and up-to-date accident statistics.
- (c) Contractors are encouraged to publish safety newsletters to promote safety to their staff and workers on site.

**5.3.2. Works Department's Responsibility**

- (a) Works Departments are also encouraged to promote awareness of safety and health to their staff and workers similarly as stated above in sub-section 5.3.1. Examples of

such activities are the Best Site Supervisory Team Award Scheme (DSD), the Best Office in Safety Record (TDD) and the Best Works Site Competition (WSD).

- (b) Works departments are also encouraged to join hands with contractors in organising promotional activities, examples are the Site Safety Model Worker Award (ASD with contractors) and the Safety Award Scheme for Ground Investigation Contractors (GEO with the Hong Kong Construction Association - Site Investigation Contractors Committee).

**APPENDIX I**

**SAFETY TRAINING COURSES OFFERED BY NON-GOVERNMENT ORGANISATIONS**

**1. Occupational Safety & Health Council**

- (a) Safety Supervisors Certificate Course (Construction) -42 hours
- (b) Advanced Construction Safety Supervisor Course - 18 hours
- (c) Certificate of Competence in the Safe Handling of Asbestos - 24 hours
- (d) Certificate of Competence in Workplace Noise Assessment - 24 hours
- (e) Certificate of Competence in Laser Safety - 12 hour evening course - 9 hours
- (f) Safety Auditing Certificate Course - 36 hours
- (g) Safety for Asbestos Workers - 6 hours
- (h) Job Safety Analysis - 6 hours
- (i) Accident Investigation - 6 hours
- (j) Pneumoconiosis and its Prevention - 6 hours course organised jointly with the Pneumoconiosis Compensation Fund Board
- (k) Safety in Electrical Work - 6 hours
- (l) Basic Accident Prevention - 12 hours
- (m) General Safety for Workers in Confined Spaces - 6 hours
- (n) Certificate of Competence in Safe Working in Confined Spaces - 12 hours
- (o) Construction Safety - 6 hours
- (p) Safety Inspection - 3 hours
- (q) Basic Safety Management - 12 hours
- (r) Successful Implementation of Works Bureau and Housing Authority Health and Safety Management Systems - 18 hours



- (s) Health and Safety Plan - 9 hours
- (t) Risk Assessment - 12 hours
- (u) Organising Safety and Health Committee - 12 hours
- (v) Health and Safety Programme for Sub-Contractors - 12 hours
- (w) Health and Safety for Graduate Engineers - 5 modules (3 hours each module)

(Note: Quarterly time-tables for training courses are obtainable from its Education and Information Centre (Tel. no. : 2311 3322)

The Council can also organise tailor-made in-house training for individual companies)

## 2. **Hong Kong Polytechnic University**

- (a) Industrial Safety Law & Hygiene
- (b) Industrial Safety Technology
- (c) Industrial Safety Inspection & Accident
- (d) Industrial Safety Management Techniques
- (e) Advanced Industrial Hygiene
- (f) Advanced Industrial Safety Technology
- (g) Applied Statistical Methods
- (h) Post-Experience Certificate in Industrial Safety
- (i) Post-Experience Certificate in Advanced Industrial Safety
- (j) Certificate of Attainment in Safety Management & Loss Control
- (k) Certificate of Attainment in Safety Auditor Training
- (l) Graduate Diploma in Occupational Safety & Health
- (m) Master of Applied Science in Safety Management - organised in collaboration with the University of Western Sydney,

3. **Construction Industry Training Authority**

- (a) Construction Safety Officer Course - 1 year (day courses and evening courses available)
- (b) Construction Safety Supervisor Course - 28 hours (day courses and evening courses available)
- (c) Safety Course for Graduate Engineers - 18 hours
- (d) Safety Plan and Implementation - 8 hours
- (e) Safety Training Techniques - 4 hours
- (f) Safety Auditing - 12 hours
- (g) ISO 9000 and Safety Management - 8 hours
- (h) Safety Laws/F&IU Ordinance and New Development - 8 hours
- (i) Refresher Course for Construction Safety Officers - 18 hours
- (j) Off-shore General Shipping Safety for Marine Construction Work - 12 hours
- (k) Safety Training Course for Competent Persons Working with Confined Space - 14 hours
- (l) Safety Training Course for Certified Workers in Confined Space - 1 day
- (l) Safety Training Course for Construction Workers (Green Card) - 1 day
- (m) Advanced Safety Training Course for Construction Workers ( Silver Card ) - 2 days

4. **Hong Kong Construction Association Ltd**

Effective Site Safety Training and Instruction Techniques - 2 days

5. **Hong Kong Institution of Engineers**

Health and Safety for Graduate Engineers (Construction Industry) - 3 days course organised jointly with OSHC.

6. **City University of Hong Kong**

- (a) Continuing Education Certificate in Occupational Safety and Health - 1 year course organised jointly with OSHC

- (b) Continuing Education Higher Certificate in Occupational Safety and Health - 144 hours course organised jointly with OSHC
- (c) Continuing Education Certificate in Safety Auditing - 129 hours course organised jointly with OSHC
- (d) MSc programme in Occupational and Environmental Health and Safety Management - organised in collaboration with OSHC and the University of Portsmouth

**7. University of Hong Kong**

- (a) MSc in Occupational Safety and Health - Distance Learning course organised in collaboration with the University of Greenwich
- (b) Msc in Occupational Hygiene - Distance Learning course organised in collaboration with the University of Greenwich

**8. Chinese University of Hong Kong**

- (a) Diploma in Occupational Hygiene - 1 year course
- (b) Diploma in Occupational Health Practice - 1 year course

**9. Open University of Hong Kong**

- (a) Introduction to Occupational Safety and Health - 30 hours course
- (b) Bachelor of Science (Health and Safety) - organised in collaboration with Curtin University of Technology, Australia.
- (c) Diploma in Occupational Safety and Health - one-year part-time programme).

**10. Seamen's Training Centre**

Marine Industrial Safety Course - 2 day course

APPENDIX II

**SAFETY AND HEALTH PUBLICATIONS OBTAINABLE FROM  
GOVERNMENT DEPARTMENTS**

1. **Labour Department**

Most of the following publications can be viewed from the CD-Rom entitled OSH Bookshelf, jointly developed by Labour Department and Occupational Safety and Health Council

(a) **Code of Practice**

Control of Lead at Work

Safety and Health at Work with Asbestos

Safety and Health at Work for Industrial Diving

Protection of Quarry and Construction Workers from Silicosis

Protection of Tunnel Workers from Silicosis

Scaffolding Safety

Safe Use of Mobile Cranes and Tower Cranes

Safety at Work (Lifts and Escalator)

Safety Use and Operation of Suspended Working Platform

(b) **Reference Manuals**

Reference Manual for Inspection Reports on Construction Sites

Reference Manual for Inspection Reports on Workplaces

(c) **Safety Guides/Handbooks/Hints**

A Guide to the Factories and Industrial Undertakings Ordinance (Sections 6A & 6B) - Know Your General Duties

A Guide on Employer's Safety Policy

A Practical Guide to Employers' Duties under Labour Legislation

A Guide to Construction Safety Management

A Guide to the Factories and Industrial Undertakings (Cartridge-operated Fixing Tools) Regulations

A Guide to the Factories and Industrial Undertaking  
(Electricity) Regulations

A Brief Guide to the Requirements of the Factories and  
Industrial Undertakings (Noise at Work) Regulations

A Practical Guide to Industrial Noise Reduction

A Guide to the Factories and Industrial Undertakings  
(Protection of Eyes) Regulations

A Guide to the Factories and Industrial Undertakings  
(Woodworking Machinery) Regulations

A Guide to Safety and Health at Work for Gas Welding and  
Flame Cutting

Guidance Notes on Safe Use of Earth-moving Machinery

Guidance Notes on Factories and Industrial Undertakings  
(Noise at Work) Regulations

Guidance Notes on Classification and Use of Safety Belts  
and their Anchorage Systems

Guidance Notes on Appointment of Competent Persons for  
Noise Assessment at Workplaces

Guidance Notes on Fire Safety at Workplaces

Guide to Factories and Industrial Undertakings (Abrasive  
Wheels) Regulations

Guide to the Factories and Industrial Undertakings  
(Asbestos) Special Regulations

Guide to the Factories and Industrial Undertakings  
(Carcinogenic Substances) Regulations

Guide to Factories and Industrial Undertakings (Cargo and  
Container Handling) Regulations

Guide to the Factories and Industrial Undertakings  
(Confined Spaces) Regulations

Guide to the Construction (Safety) Regulations

Guide to the Factories and Industrial Undertakings  
(Dangerous Substances) Regulations

Guide to General Rules on Handling Chemicals and the  
First Aid

Guide to Lifting Appliances and Lifting Gears Regulations

Guide to Operation of Air Receivers

Guide to Safety Regulations on Goods Lift

Guide to the Factories and Industrial Undertakings (Safety Officers and Safety Supervisors) Regulations

Guide to Factories and Industrial Undertakings (Spraying of Flammable Liquids) Regulations

Guide to the Factories and Industrial Undertakings (Suspended Working Platforms) Regulation

Brief Guide to Industrial Safety

Construction Site Safety & Health Checklist

Safety at Construction Sites

Safety at Work - Falsework - Prevention of Collapse

Safety in the Use of Abrasive Wheels

Safety Guide to Bamboo Scaffolding Safety

Safety Guide to Working in Confined Spaces

Safety Guide to Working At Height

Safety Hints for Users of Acetylene Cylinders

Safety Hints for Asbestos Removal

Safety Hints for Users of Boatswain's Chair at Height

Safety Hints for Using Chemicals in Industry

Safety Hints for Electric Arc Welding

Safety Hints for Using Electrical Apparatus

Safety Hints for Users of Gondola at Height

Safety Hints on Operation of Suspended Working Platforms

Safety Handling of Chemicals Commonly Used in Industry

Safety Hints in Manhole Work

Safety Hints for Caisson Works

Safe Practices in Operating Fork Lift Trucks

Safe Systems at Work

Safety and Health Guide for Summer Job Workers

First Aid and Safety Hints for Chemical Handling

Good Site Management

Handbook on Guarding and Operation of Machinery

Know Your General Duties

General Duties of Proprietors

General Duties of Persons Employed

Five Steps to Risk Assessment

No Need to Wear Armour if you Guard Your Machine

Noise in Industry, the Invisible Hazard

Essential Points for the Safe Use of Electrical Appliances

Classification and Labelling of Dangerous Substances Commonly Used in Industry

Hints on General Duties of Employees at Work  
Safe/Danger Wearing Apparels of Workers

Lock Attendant's Handbook (Factories and Industrial Undertakings) (Work in Compressed Air) Regulations

(c) **Occupational Health**

A Reference Note on the Control of Asbestos at Work

A Reference Note on Occupational Exposure Limits for Chemical Substances in the Work Environment

A Reference Note on Ventilation and Maintenance of Ventilation System

Guide to Occupational Diseases Prescribed for Compensation Purposes

Hints on First Aid (For Notifiable Workplaces, Quarries, Cargo & Container Handling Undertakings and Construction Sites)

Notes on the Diagnosis of Occupational Diseases Prescribed under the Employees' Compensation Ordinance

(d) **The Protection of Workers' Health Series**

Asbestos

Control of Toxic Substances in Workplace

Cyanide Hazard in Industry - Poisoning Prevention and Treatment

Electroplating - Health Hazards

Health Guide on the use of Visual Display Units

Health Hazards in Demolition Work

Health Hazards of Diving

Manganese Dioxide

Prevention of Back Injury

Respiratory Protective Equipment

Silica

Solvents

(e) **Health Brochures**

Health Hazards of Asbestos

Hazards During Chemicals in Use and Safety Guidelines

Health Hazards of Welding

Respirator for Silica Dust

Safe Use of Toluene-di-isocyanats

Skin Diseases in Industry

(f) **Miscellaneous**

Classification and Labelling of Dangerous Substances

Film Catalogue

Occupational Safety Charter

Reporting Accidents and Dangerous Occurrences

Safety Committees - A Guide to their Establishment and Operation

Safety Training Prospectus



2. **Marine Department**(a) **Marine Department Notices**

[These notices are issued to draw the attention of ship repairers, stevedores, and owners, masters and operators of vessels to the danger of various malpractices of operations and works on vessels and to advise them to observe safety practices and precautions.]

No. 10 of 1978	Precautions Recommended whilst Bunkering Miscellaneous Local Vessels
No. 139 of 1979	Hopper Type Vessels and Dredgers Operating with Open Holds
No. 42 of 1980	The Use of Hooks Attached to Ropes
No. 63 of 1981	Extract of Merchant Shipping (Safety) Ordinance
No. 125 of 1981	Use of Internal Combustion Engines in Confined Spaces
No. 93 of 1983	Use of Liquefied Petroleum Gas and Inflammable Liquids on Pleasure Vessels
No. 165 of 1983	Accidents Involving Winches
No. 70 of 1984	Precautions to be Observed in the Hoisting and Lowering Operation of Heavy and Unwieldy Loads
No. 123 of 1986	Observance of Safe Working Practices on Local Craft
No. 40 of 1987	Safety of Small Craft
No. 41 of 1987	Dangers of Riding a Storm at Anchorage
No. 99 of 1988	Berthing Operation Ahead or Astern of Other Vessels
No. 106 of 1988	Proper Use of Radar and Dangers in Use of VHF Radio in Collision Avoidance
No. 200 of 1988	Vessels Leaving Piers Stern-first
No. 48 of 1991	Amendment of the International Regulations for Preventing Collisions at Sea 1972
No. 52 of 1991	Observance of Collision Regulation

- No. 113 of 1991 Port Operations (Very High Frequency, Radio VHF) Service
- No. 52 of 1992 Use of Emergency Position Indicating Radio Beacons (EPIRBs) For Search and Rescue (SAR) Operations
- No. 81 of 1992 Length of Towline
- No. 115A of 1992 Precautions to be Taken Before Entering Tanks and Other Closed Spaces
- No. 54 of 1993 Typhoon Season
- No. 14 of 1994 Safe Operation of Open Mechanised Sampans
- No. 18 of 1994 Avoidance of Entering Marine Works Areas
- No. 27A of 1994 Precautions to be Taken in respect of Roller Fairleads on board Vessels
- No. 72A of 1994 Need for Lighter and Barge Crew to wear Lifejackets
- No. 73 of 1994 Wave Disturbances in Victoria Harbour
- No. 88 of 1994 Distress Communication in River Trade Area
- No. 89 of 1994 Use of Public Landing Steps
- No. 129A of 1994 Cranes mounted on Flat-top Barges
- No. 18 of 1995 Safe Marine Transportation of Workers
- No. 63 of 1995 Legislation Amendments affecting the Display of Licence No. of Lighters**
- No. 70A of 1995 Precautions to be taken by vessels carrying deck cargo
- No. 71 of 1995 Safe Embarkation and Disembarkation on Launches and Ferries
- No. 75A of 1995 Guidelines to the Testing, Examination and Record Keeping of Lifting Appliances and Lifting Gear
- No. 27 of 1996 Display of Donning Instruction in wearing a lifejacket
- No. 33 of 1996 Vessels engaged in Towage Operation
- No. 62 of 1996 Salvage operation by Local Crafts

- No. 67 of 1996 Typhoon Season
- No. 83 of 1996 VHF Radiotelephone Safety Message Broadcast
- No. 96 of 1996 Vessel Traffic Centre - Telephone, Facsimile and Telex Numbers
- No. 129 of 1996 Wearing of Protective Headgear
- No. 34 of 1997 Exhibition of Navigation Lights
- No. 53 of 1997 Application of Promulgation of Marine Dept. Notices
- No. 67 of 1997 Observance of safe working practice on Local Craft involving winch operations
- No. 83 of 1997 Tsing Ma & Kap Shui Mun Bridge Max. Per. Air draught and safety precautions
- No. 93 of 1997 General guide to safety during Towing and Lightering operation
- No. 109 of 1997 Establishment of height restriction in HK waters
- No. 20 of 1998 Application for Sand Barge Route Approval Permit
- No. 29 of 1998 Requirements of light buoys for marking Marine Works Area
- No. 60 of 1998 Precautions to be taken by local vessels using extendible hydraulic crane
- No. 18 of 1999 Safe navigation in poor visibility

(b) **Safety Newsletters**

Cargo Handling Safety

Derrick Post Stays

Duty to Report Accident

Electrical Temporary Lighting Systems

Fibre Ropes Used for Lifting Purposes

Lifting Gear

Information for Competent Examiners of Lifting Appliances and Lifting Gear

Information on the Requirements of the Cargo Handling Regulations in respect of Derrick Lighters and Other Local Vessels

Inspections of Derricks and Lifting Gear

Safe Working Load of Four-leg Slings

Safe Working Loads of Wire Rope Slings

Shipping and Port Control (Cargo Handling) Regulations

The Air You Breathe

The Competent Person and His Duties

Use of Synthetic Fibre Ropes for Mooring and Towing

Wire Ropes and Wire Rope Slings

Requirements for Using Straight Stern/Bow Ramps on Inland Flattop Barges

(c) **Safety Pamphlets/Leaflets**

[Safety pamphlets and leaflets convey lessons learned from typical accidents which have occurred in the past.]

The Dangerous Winch Warping Drum

Beware of Grab

Aloft Working is Hazardous

A Boy was Strangled to Death by a Rope on a Warping Drum on Board of a Fishing Vessel

A CO<sub>2</sub> Bottle Weighing Tragedy

The Unsupported Side of a Stack of Cargo Collapsed

A Crew Lost His Life After Entering a Fire Affected Confined Space with a Breathing Apparatus

A Broken Guide Rope

The Cost of Using an Internal Combustion Engine in a Confined Space

It is of Paramount Importance to Ensure that Cargo Gear of a Derrick Would Not Hit Any Person on the Deck During the Slewing of a Derrick

A Swinging Cargo Tragedy

Steel Sheet Coils Move Easily. They should be Properly Secured

A Stevedore Fell Off from a Lorry Platform After Being Hit by a Moving Sling of Cargo

Confined Space if Hazardous

A Stevedore Fell Off the Roof of a Container when He was Giving Hand Signals and was Moving up Together with the Container at the Same Time.

A Welder was Electrocuted and Drowned

Collapse of Cargo Derrick Due to the Fatigue Failure of Gooseneck Pin

A Worker Fell together with Unsecured Hatchboards into the Hold Bottom of a Lighter

A Workman Fell to the Bottom of a Cargo Hold whilst Climbing a Vertical Ladder after Sustaining Finger Injury

A Workman Sustained Fatal Injury Whilst Working on Top of the Driver's cabin of a Lorry

A Falling Pallet

Fire on Board a Tanker

Worker Died after Falling Off from a Container

The Use of Heavy Cargo as a Land Anchor in Shifting Berth is Dangerous

Ratchet on Manual Type Winch should be Engaged before Heaving up Anchor

Ligherman Lost Balance and Struck Against the Bulwark while Boarding a Tug Boat from a Hopper Barge

Never use oxygen gas for engine starting

The tragic account of a seaman handicapped in handling heavy and bulky loads in a small ship hold

A 2-tonne safe toppled under hook killing a stevedore worker on a coaster at berth

A mechanic fell to his death while working on the turntable of a deck crane aboard a foreign going ship

The steel plate fixture holding the mast head swivel on mast top was fractured. The derrick boom fell and bent as it struck on the deckhouse

A worker was crushed to death inside the mixer of a batching plant fitted on board a dumb steel lighter

Safety at shifting vessel

Local Vessels Safety Practice

Greasing the heaving in wire falls of stern ramp

A lighter winch operator was hit by a parted cargo runner connected to a grab for unloading granulated rocks

Two riggers fell with suspended scaffold as lifting sling parted

No. 1 lighterman fatally injured by a heavy steel strip coil that rolled upon him when the lighter swayed during a mid-stream cargo handling operation.

Hoisted cargo collapsed and fell due to improper slinging

Testing and Examination of Lifting Appliances

(d) **Safety Guides**

Stevedoring Safety Guide

Guideline for Use of Bottled Liquefied Petroleum Gas on Board Fishing Vessels, Motor Boats, Dumb Steel Lighters and Sailing Junks

Works involving Asbestos

Handling of Mooring Ropes

General Guide to Safety during Towing & Lightering Operation

(e) **Safety Posters**

Eye Splicings of Wire Slings

An Operator Must be at the Winch Control whenever a Warping Drum is in Use

Safety Working Loads of Wire Rope Slings and Man Made Fibre (Polypropylene) Rope Slings

Poster Concerning Regulation 35 of the Shipping and Port Control (Cargo Handling) Regulation Cap. 313

The Life Supporting Oxygen

No person under age 18 & no person not sufficiently competent and reliable shall be employed to operate lifting appliances or to give signals or to attend falls

Mind the sling hooks and wear safety helmet (sticker)  
To prevent accident, check your wire ropes regularly

**(f) Other Materials**

Safety Hint on Marine Vessels

Safety inspection checklist for Marine Vessels

Guidance Notes on Incidents Involving Explosive Ordnance during Marine Dredging

**3. Electrical and Mechanical Services Department**

Code of Practice for the Electricity (Wiring) Regulations

Code of Practice for Design and Construction of Builders Lift

Code of Practice for Design and Construction of Tower Working Platforms

**4. Environmental Protection Department**

Code of Practice on the Packing, Handling, Transport and Disposal of Asbestos Wastes.

**5. Fire Services Department**

Fire Protection Notice No. 4 - Dangerous Goods General

Fire Protection Notice No. 5 - Safe Use of Kerosene and Liquefied Petroleum Gases Appliances

Fire Protection Notice No. 11 - Use and Maintenance of Fire Extinguishers

Fire Protection Notice No. 13 - Fire Protection at Construction Site

What to do in case of fire

Fire Safety Guide

APPENDIX III

SAFETY AND HEALTH PUBLICATIONS OBTAINABLE FROM  
OCCUPATIONAL SAFETY & HEALTH COUNCIL

- (a) Guidance on Fall Protection at Edges of Top-Most Floors of Structures under Construction
- (b) A Guide to the Safe Use of Chemicals in Construction
- (c) Code of Safe Working Practices for Hand-dug Caissons
- (d) Safety in the Use of Gondola
- (e) Green Cross - a bi-monthly magazine on occupational safety and health
- (f) Safety Advisory Pamphlets:
  - Safe use of hand tools
  - Safe use of power tools
  - Safe use of ladders
  - Safety hints on manual lifting
  - General safety rules for employees
  - Hazards of welding and cutting
  - Safe use of cartridge-operated fixing tools
  - Hazards of confined space
  - Safety precautions for entering confined space
  - Safety hints for entering drainage
  - Safety hints for using tower platforms
  - Safety hints for using gondolas
  - Occupational deafness
  - Site transport
  - Excavation
  - Safe operation of mobile cranes