

PERMIT TO WORK SYSTEM
(A Familiarization on Safe Working on Board of a Ship)

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ABSTRACT

A job has the potential of causing serious injuries or death. It is necessary to formalize agreed upon work procedures. This prevents the instructions from being missed, forgotten or misinterpreted. It also works as a checklist to ensure that all the hazards, protective measures, work procedures and the general requirements are reviewed with and understood by the assigned worker(s). A work permit serves as a record of the authorization and the completion of the specific work. The authorization must be provided by the competent person after all the necessary conditions have been met. The purpose of this study is to familiarize permit to work system on board of a ship for a safe working environment. The data collecting method use is library research. All parties, the company, the officers and the assigned worker(s) have to commit and comply to all procedures and the requirements of the permit to work system. It has been provided by the regulator. It should be used as needed and required.

Keywords : System, Work permit, Safe working, Board, Ship

Introduction

An accident does not mean that someone has to be injured. Damage to property or near miss is also called an accident. An accident is an unplanned or unexpected event arising from a number of causes. It has the potential to cause injury and must be controlled (<https://www.hseblog.com/>).

The Health, Safety and Environment (HSE) regulation is to set down a system for the safe control of work which provides for maximum safety of both personal and plant. The work permit system is devised to allow work to be carried out safely within the restricted and municipal areas. It is essential to have safety management. It requires the establishment of an effective system of investigating and reporting all events that could cause or have caused physical harm to the people, damage to the property, reduction in production and harm to the environment.

A work permit is a written form used to authorize the jobs that endanger workers to the serious hazards. It recognizes the work to be done, the hazards involved, and the necessary preparation and the precautions for the job. Examples of the jobs needing work permits are those requiring employees to enter and work in confined spaces, to repair, maintain, or inspect the electrical installations or to use the large or the complex equipment (<https://www.hseblog.com/>). The purpose of it is to establish, analyse fact and circumstances, and also determine causes and remedial actions. It is not intended to fix or to find fault with the people, but to help control and minimize accidental losses.

Permit to work serves some functions, such as; prescribes the nature and extend of work, prescribes the condition (isolation, gas test, etc.). It have to be observed, records the place in which process personal for a specified time and allowed to work, given written permission for work to be done, bring all party

attention to the steps that have been taken and that shall be maintained to make the area/plant safe for working.

The objective of permit to work system is to ensure that a written permission and authorization is given to carry out the defined work. Whether it is potentially hazardous and that all possible measures have taken to maintain the safety of the person and equipment in all areas of operation.

Discussion

Based on Code of Safe Working Practices for Merchant Seamen Consolidated Edition, 2010 there are many types of operation on board ship where the routine actions of one person may inadvertently endanger another or when a series of action steps need to be taken to ensure the safety of those engaged in a specific operation. In all instances it is necessary, before the work is done, to identify the hazards and then to ensure that they are eliminated or effectively controlled. Ultimate responsibility rests with the employer to see that this is done.

The permit to work system consists of an organized and predefined safety procedure. A permit-to-work does not in itself make the job safe, but contributes to measures for safe working.

The particular circumstances of individual ships will determine when permit-to-work systems should be used. In using a permit to work, the following principles apply :

- (a) The permit should be relevant and as accurate as possible. It should state the location and details of the work to be done, the nature and results of any preliminary tests undertaken, the measures undertaken to make the job safe and the safeguards that need to be taken during the operation.
- (b) The permit should specify the period of its validity (which should not exceed 24 hours) and any time limits applicable to the work which it authorizes.
- (c) Only the work specified on the permit should be undertaken.
- (d) Before signing the permit, the authorizing officer should ensure that all measures specified as necessary have in fact been taken.
- (e) The authorizing officer retains responsibility for the work until he has either cancelled the permit or formally transferred it to another authorized person who should be made fully conversant with the situation. Anyone who takes over, either as a matter of routine or in an emergency, from the authorizing officer, should sign the permit to indicate transfer of full responsibility.
- (f) The person responsible for carrying out the specified work should countersign the permit to indicate his understanding of the safety precautions to be observed.
- (g) On completion of the work, that person should notify the responsible officer and get the permit cancelled.
- (h) The person carrying out the specified work should not be the same person as the authorizing officer.

This Annex contains suggested minimum headings for a Permit-to-Work under the following categories:

a. Work In Unmanned Machinery Spaces

Note(i) : The Authorising Officer should indicate the sections applicable by ticks in the lefthand boxes next to headings, deleting any subheading not applicable.

Note(ii) : The Authorising Officer should insert the appropriate details when the Sections for Other Work or Additional precautions are used.

Note (iii): The Authorized Person should tick each applicable righthand box as they make their check.

Note (iv) : This Permit-to-Work contains 5 sections.

SECTION A – Scope of Work
Location (designation of space) _____

Plant Apparatus /Identification
(designation of machinery / equipment) _____

Work to be done (description) _____

Permit issued to (name of person carrying out work or in charge of the work party) _____

Section B – Check List / Isolation Data
Has a risk assessment of the proposed work been carried out?

The above apparatus is dead and has been isolated from the system at the following points (Description) _____

Circuit Main Earths have been applied to the equipment at the following points. (Description) _____

Safety Locks
(Detail location fitted and identify lock set) _____

Additional Precautions to avoid danger have been taken by (Description) _____

Caution/Danger notices have been applied at all points of isolation, and Safety Signs appropriately positioned.
TREAT ALL OTHER APPARATUS AND AREAS AS DANGEROUS

SECTION C – Authorising of permit
Period of validity of permit (should not exceed 24 hours) _____ hours
I hereby declare that the above equipment is dead and isolated from all live conductors.
Authorising person
(Name) _____ (Signature) _____
(Time) _____ (Date) _____

SECTION D – Receipt of Permit
I accept responsibility for carrying out the work on the apparatus detailed on this permit to work and no attempt will be made by me or people under my charge to work on any other apparatus or in any other area. I am satisfied that all precautions have been taken and that safety arrangements will be maintained for the duration of the work.
Safety Key No. _____ **Received* /Applied*** _____
Competent person
(Name) _____ (Signature) _____
(Time) _____ (Date) _____

Note: After signing the receipt, this permit to work should be retained by the person in charge at the place where the work is being carried out until work is complete and the clearance section signed.

SECTION E – Clearance of Permit
The work for which this permit to work was issued is now suspended* / completed* and all people under my charge have been withdrawn and warned that it is no longer safe to work on the apparatus detailed in this permit to work.
All work equipment, tools, test instruments etc. have been removed.
Competent person
(Name) _____ (Signature) _____
(Time) _____ (Date) _____
Safety Key No. _____ **Received* /Applied*** _____

SECTION F – Cancellation of Permit
This Permit to work is cancelled.
Authorising Person
(Name) _____ (Signature) _____
(Time) _____ (Date) _____
Safety Key No. _____ **Received* /Applied*** _____
* Delete words not applicable and where appropriate state:
The work is complete* / incomplete* as follows: (description)

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b. Entry Into Enclosed Or Confined Space

- Note (i): The Authorizing Officer should indicate the sections applicable by ticks in the lefthand boxes next to headings, deleting any subheading not applicable.
- Note (ii): The Authorizing Officer should insert the appropriate details when the Sections for Other Work or Additional precautions are used.
- Note (iii): The Authorised Person should tick each applicable righthand box as they make their check.
- Note (iv): This Permit-to-Work contains 4 sections.

SECTION A – Scope of Work
Location (designation of space) _____

Plant Apparatus /Identification
(designation of machinery / equipment) _____

Work to be done (description) _____

Permit issued to (name of person carrying out work or in charge of the work party) _____

SECTION B – Check List / Isolation Data
Has a risk assessment of the proposed work been carried out?
Checklist

	Checked	
1 _____ Space thoroughly ventilated	<input type="checkbox"/>	1
2 _____ Atmosphere tested and found safe	<input type="checkbox"/>	2
3 _____ Space secured for entry	<input type="checkbox"/>	3
4 _____ Rescue and resuscitation equipment available at entrance	<input type="checkbox"/>	4
5 _____ Testing equipment available for regular checks	<input type="checkbox"/>	5
6 _____ Responsible person in attendance at entrance	<input type="checkbox"/>	6

7 _____ Communication arrangements made between person at entrance and those entering 7

8 _____ Access and illumination adequate 8

9 _____ All equipment to be used is of appropriate type 9

10 _____ Personal protective equipment to be used: 10
Hard hat, safety harness as necessary

11 _____ When breathing apparatus is being used 11 (i)
(i) Familiarity of user with apparatus is confirmed

(ii) Apparatus has been tested and found to be Satisfactory 11 (ii)

SECTION C – Certificate of checks:
I am satisfied that all precautions have been taken and that safety arrangements will be maintained for the duration of the work.
Authorising person in charge
(Name) _____ (Signature) _____
(Time) _____ (Date) _____

SECTION D – Cancellation of certificate:
The work has been completed* / cancelled* and all persons under my supervision, materials and equipment have been withdrawn.
Authorising person in charge
(Name) _____ (Signature) _____
(Time) _____ (Date) _____
* Delete words not applicable and where appropriate state:
The work is complete* / incomplete* as follows: (description)

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c. Machinery Or Equipment

- Note(i) : The Authorizing Officer should indicate the sections applicable by ticks in the lefthand

- boxes next to headings, deleting any subheading not applicable.
- Note (ii)* : The Authorizing Officer should insert the appropriate details when the Sections for Other Work or Additional precautions are used.
- Note (iii)* : The Authorized Person should tick each applicable righthand box as they make their check.
- Note (iv)* : This Permit-to-Work contains 5 sections.

<p>SECTION A - Scope of Work</p> <p>Location (designation of space).....</p> <hr/> <p>Plant Apparatus / Identification (designation of machinery / equipment).....</p> <hr/> <p>Work to be done (description).....</p> <hr/> <p>Permit issued to (name of person carrying out work or in charge of the work party).....</p> <hr/> <p>SECTION B - Check List / Isolation Data</p> <p>Has a risk assessment of the proposed work been carried out?</p> <table border="0" style="width: 100%;"> <tr> <td></td> <td style="text-align: right;">Checked</td> </tr> <tr> <td>Removed from service/isolated from sources of power or heat</td> <td style="text-align: right;"><input type="checkbox"/> 1</td> </tr> <tr> <td>All relevant personnel informed</td> <td style="text-align: right;"><input type="checkbox"/> 2</td> </tr> <tr> <td>Warning notices displayed</td> <td style="text-align: right;"><input type="checkbox"/> 3</td> </tr> </table> <hr/> <p>SECTION C - Authorising of permit</p> <p>Period of validity of permit (should not exceed 24 hours)..... hours</p> <p>I am satisfied that all precautions have been taken and that safety arrangements will be maintained for the duration of the work.</p>		Checked	Removed from service/isolated from sources of power or heat	<input type="checkbox"/> 1	All relevant personnel informed	<input type="checkbox"/> 2	Warning notices displayed	<input type="checkbox"/> 3	<p>Authorising person</p> <p>(Name)..... (Signature).....</p> <p>(Time)..... (Date).....</p> <hr/> <p>SECTION D - Receipt of Permit</p> <p>I accept responsibility for carrying out the work on the apparatus detailed on this permit to work and no attempt will be made by me or people under my charge to work on any other apparatus or in any other area. I am satisfied that all precautions have been taken and that safety arrangements will be maintained for the duration of the work.</p> <p>Safety Key No..... Received* /Applied*</p> <p>Competent person</p> <p>(Name)..... (Signature).....</p> <p>(Time)..... (Date).....</p> <p>Note: After signing the receipt, this permit to work should be retained by the person in charge at the place where the work is being carried out until work is complete and the clearance section signed</p> <hr/> <p>SECTION E - Clearance of Permit</p> <p>The work for which this permit to work was issued is now suspended* / completed* and all people under my charge have been withdrawn and warned that it is no longer safe to work on the apparatus detailed in this permit to work.</p> <p>All work equipment, tools, test instruments etc have been removed</p> <p>Safety Key No..... Received* /Applied*</p> <p>Competent person</p> <p>(Name)..... (Signature).....</p> <p>(Time)..... (Date).....</p> <p>* Delete words not applicable and where appropriate state: The work is complete* / incomplete* as follows: (description)</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
	Checked								
Removed from service/isolated from sources of power or heat	<input type="checkbox"/> 1								
All relevant personnel informed	<input type="checkbox"/> 2								
Warning notices displayed	<input type="checkbox"/> 3								

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- d. **Hot Work**
- Note (i)* : The Authorizing Officer should indicate the sections applicable by ticks in the lefthand boxes next to headings, deleting any subheading not applicable.
- Note (ii)* : The Authorizing Officer should insert the appropriate details when the Sections for Other Work or Additional precautions are used.
- Note (iii)* : The Authorized Person should tick each applicable righthand box as they make their check.
- Note (iv)*: This Permit-to-Work contains 5 sections

SECTION A – Scope of Work

Location (designation of space).....

Plant Apparatus /Identification
(designation of machinery / equipment).....

Work to be done (description).....

Permit issued to (name of person carrying out work or in charge of the work party).....

SECTION B – Check List / Isolation Data

Has a risk assessment of the proposed work been carried out?

	Checked
Area clear of dangerous material and gas-free	<input type="checkbox"/> 1
Adjacent areas checked	<input type="checkbox"/> 2
Ventilation adequate	<input type="checkbox"/> 3
Fire watchman posted /instructed	<input type="checkbox"/> 4
Equipment in good order	<input type="checkbox"/> 5
Fire appliances in good order and accessible	<input type="checkbox"/> 6
Personal protective equipment: Hard hats, overalls, leather gauntlets/apron, safety spectacles, visor etc	<input type="checkbox"/> 7

SECTION C – Authorising of permit

Period of validity of permit (should not exceed 24 hours)..... hours
I am satisfied that all precautions have been taken and that safety arrangements will be maintained for the duration of the work.

Authorising person
(Name)..... (Signature).....
(Time)..... (Date).....

SECTION D – Receipt of Permit

I accept responsibility for carrying out the work on the apparatus detailed on this permit to work and no attempt will be made by me or people under my charge to work on any other apparatus or in any other area. I am satisfied that all precautions have been taken and that safety arrangements will be maintained for the duration of the work.

Competent person
(Name)..... (Signature).....
(Time)..... (Date).....

Note: After signing the receipt, this permit to work should be retained by the person in charge at the place where the work is being carried out until work is complete and the clearance section signed

SECTION E – Clearance of Permit

The work for which this permit to work was issued is now suspended* / completed* and all people under my charge have been withdrawn and warned that it is no longer safe to work on the apparatus detailed in this permit to work.
All work equipment, tools, test instruments etc have been removed

Competent person
(Name)..... (Signature).....
(Time)..... (Date).....

* Delete words not applicable and where appropriate state:
The work is complete* / incomplete* as follows: (description)
.....
.....
.....

(Maritime Coastguard Agency.2017)

e. Working Aloft/Overside

- Note (i)* : The Authorizing Officer should indicate the sections applicable by ticks in the lefthand boxes next to headings, deleting any subheading not applicable.
- Note (ii)* : The Authorizing Officer should insert the appropriate details when the Sections for Other Work or Additional precautions are used.
- Note (iii)* : The Authorized Person should tick each applicable righthand box as they make their check.
- Note (iv)* : This Permit-to-Work contains 5 sections.

<p>SECTION A – Scope of Work</p> <p>Location (designation of space) _____</p> <p>Plant Apparatus /Identification (designation of machinery / equipment) _____</p> <p>Work to be done (description) _____</p> <p>Permit issued to (name of person carrying out work or in charge of the work party) _____</p>	<p>Work overside: <input type="checkbox"/> 7</p> <p>- advise duty officer/engineer <input type="checkbox"/></p> <p>- ladders and line ready <input type="checkbox"/></p> <p>Personal protective equipment required: <input type="checkbox"/> 8</p> <p>- safety helmet <input type="checkbox"/></p> <p>- safety harness and line attached to a strong point <input type="checkbox"/></p> <p>- lifeline <input type="checkbox"/></p> <p>As necessary, all tools to be taken aloft secured by lanyard/ bag/ belt <input type="checkbox"/> 9</p>	<p>SECTION E – Clearance of Permit</p> <p>The work for which this permit to work was issued is now suspended* / completed* and all people under my charge have been withdrawn and warned that it is no longer safe to work on the apparatus detailed in this permit to work.</p> <p>All work equipment, tools, test instruments etc. have been removed.</p> <p>Competent person (Name) _____ (Signature) _____ (Time) _____ (Date) _____</p> <p>* Delete words not applicable and where appropriate state: The work is complete* / incomplete* as follows (description)</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>																														
<p>SECTION B – Check List / Isolation Data</p> <p>Has a risk assessment of the proposed work been carried out?</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 80%;">Duty Officer informed</td> <td style="width: 10%; text-align: center;"><input type="checkbox"/></td> <td style="width: 10%; text-align: right;">Checked</td> </tr> <tr> <td>Warning notices posted</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;">1</td> </tr> <tr> <td>On deck supervisor identified</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;">2</td> </tr> <tr> <td>Equipment in good order</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;">3</td> </tr> <tr> <td>Work on funnel:</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;">4</td> </tr> <tr> <td>- advise Duty Engineer</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;">5</td> </tr> <tr> <td>- isolate whistle, if appropriate</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;">6</td> </tr> <tr> <td>Work near Radar Scanners/Radio Aerials</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;">6</td> </tr> <tr> <td>- isolate radar and scanner/radio room notified</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;">6</td> </tr> <tr> <td>- notices placed to stop use of radar/radio</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;">6</td> </tr> </table>	Duty Officer informed	<input type="checkbox"/>	Checked	Warning notices posted	<input type="checkbox"/>	1	On deck supervisor identified	<input type="checkbox"/>	2	Equipment in good order	<input type="checkbox"/>	3	Work on funnel:	<input type="checkbox"/>	4	- advise Duty Engineer	<input type="checkbox"/>	5	- isolate whistle, if appropriate	<input type="checkbox"/>	6	Work near Radar Scanners/Radio Aerials	<input type="checkbox"/>	6	- isolate radar and scanner/radio room notified	<input type="checkbox"/>	6	- notices placed to stop use of radar/radio	<input type="checkbox"/>	6	<p>SECTION C – Authorising of permit</p> <p>Period of validity of permit (should not exceed 24 hours) _____ hours</p> <p>I am satisfied that all precautions have been taken and that safety arrangements will be maintained for the duration of the work.</p> <p>Authorising person (Name) _____ (Signature) _____ (Time) _____ (Date) _____</p>	<p>SECTION D – Receipt of Permit</p> <p>I accept responsibility for carrying out the work on the apparatus detailed on this permit to work and no attempt will be made by me or people under my charge to work on any other apparatus or in any other area.</p> <p>I am satisfied that all precautions have been taken and that safety arrangements will be maintained for the duration of the work.</p> <p>Competent person (Name) _____ (Signature) _____ (Time) _____ (Date) _____</p> <p>Note: After signing the receipt, this permit to work should be retained by the person in charge at the place where the work is being carried out until work is complete and the clearance section signed.</p>
Duty Officer informed	<input type="checkbox"/>	Checked																														
Warning notices posted	<input type="checkbox"/>	1																														
On deck supervisor identified	<input type="checkbox"/>	2																														
Equipment in good order	<input type="checkbox"/>	3																														
Work on funnel:	<input type="checkbox"/>	4																														
- advise Duty Engineer	<input type="checkbox"/>	5																														
- isolate whistle, if appropriate	<input type="checkbox"/>	6																														
Work near Radar Scanners/Radio Aerials	<input type="checkbox"/>	6																														
- isolate radar and scanner/radio room notified	<input type="checkbox"/>	6																														
- notices placed to stop use of radar/radio	<input type="checkbox"/>	6																														

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- f. **General Electrical (Under 1000 Volts)**
- Note (i)* : The Authorising Officer should indicate the sections applicable by ticks in the lefthand boxes next to headings, deleting any subheading not applicable.
- Note (ii)* : The Authorising Officer should insert the appropriate details when the Sections for Other Work or Additional precautions are used.
- Note (iii)* : The Authorised Person should tick each applicable righthand box as they make their check.
- Note (iv)* : This Permit-to-Work contains 6 sections.

<p>SECTION A – Scope of Work</p> <p>Location (designation of space) _____</p> <p>Plant Apparatus /Identification (designation of machinery / equipment) _____</p> <p>Work to be done (description) _____</p> <p>Permit issued to (name of person carrying out work or in charge of the work party) _____</p>	<p>Additional Precautions to avoid danger have been taken by (Description) _____</p> <p>Caution/Danger notices have been applied at all points of isolation, and Safety Signs appropriately positioned.</p> <p>TREAT ALL OTHER APPARATUS AND AREAS AS DANGEROUS</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>SECTION E – Clearance of Permit</p> <p>The work for which this permit to work was issued is now suspended* / completed* and all people under my charge have been withdrawn and warned that it is no longer safe to work on the apparatus detailed in this permit to work.</p> <p>All work equipment, tools, test instruments etc. have been removed.</p> <p>Competent person (Name) _____ (Signature) _____ (Time) _____ (Date) _____</p> <p>Safety Key No. _____ /Revised* /Apply**</p>
<p>Section B – Check List / Isolation Data</p> <p>Has a risk assessment of the proposed work been carried out?</p> <p>The above apparatus is dead and has been isolated from the system at the following points (Description)</p> <p>_____</p> <p>_____</p> <p>Safety Locks (Detail location fitted and identify lock set) _____</p>	<p>SECTION C – Authorising of permit</p> <p>Period of validity of permit (should not exceed 24 hours) _____ hours</p> <p>I am satisfied that all precautions have been taken and that safety arrangements will be maintained for the duration of the work.</p> <p>Authorising person (Name) _____ (Signature) _____ (Time) _____ (Date) _____</p>	<p>SECTION F – Cancellation of Permit</p> <p>This Permit to work is cancelled.</p> <p>Authorising Person (Name) _____ (Signature) _____ (Time) _____ (Date) _____</p> <p>Safety Key No. _____ /Revised* /Apply**</p> <p>* Delete words not applicable and where appropriate state: The work is complete* / incomplete* as follows (description)</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

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g. Electrical High Voltage (Over 1000 Volts)

- Note (i) : The Authorizing Officer should indicate the sections applicable by ticks in the lefthand boxes next to headings, deleting any subheading not applicable.
- Note (ii) : The Authorizing Officer should insert the appropriate details when the Sections for Other Work or Additional precautions are used.
- Note (iii) : The Authorized Person should tick each applicable righthand box as they make their check.
- Note (iv) : This Permit-to-Work contains 6 sections.

The image shows three pages of a Permit-to-Work form. The first page (left) contains Section A (Scope of Work), Section B (Check List / Isolation Data), and Section C (Authorizing of permit). The second page (middle) contains Section D (Receipt of Permit) and Section E (Clearance of Permit). The third page (right) contains Section F (Cancellation of Permit). Each section includes fields for names, signatures, dates, and descriptions. There are also decorative blue wave graphics at the bottom of each page.

(Maritime Coastguard Agency.2017)

The officers and the assigned worker (s) have to committed and complied to all procedures. It is to ensure the health, safety and welfare of its employees and the public in general. Details of any remaining hazards and precaution need to be taken. Therefore, it should be clearly understood that adherence to the system does not in itself guarantee freedom from risk. The supervisor and person involved in the task shall ensure that safe practices prevail throughout the work period.

Conclusion

Every employee has a responsibility for his/her own safety and for the safety of others. It is also a duty to the employer by working safely and following the specified codes of practice, using the protective equipment provided, complying with all safety procedure, reporting defects and accidents also assisting in subsequent investigations. Follow the site rules and regulation for safe system of work, read any work permit condition and obey them. Complying to all statutory requirements relating to health, safety and welfare means providing and maintaining a safe and healthy working environment, ensure all employees received adequate training in the safety aspects of their work and also make all necessary safety devices and protective equipment together with information relating to the health safety available.

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