RISK ASSESMENT FORM

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| **Topic: Leisure Vessels** | |  |  |  |  | **Serial Number: RYHA 002** |
| **Subject** | **Hazard/s** | **Affected** | **Consequence** | **Fqcy** | **Risk\*** | **Control Measures** |
| Excessive speed | Collision  Excessive wash | Harbour users  Harbour user | Injury 3  Damage 3  Injury 3 | 3  3  3 | 9 | Advice from Harbour Master  Harbour staff trained in emergency first aid  Harbour Launch visible to harbour users for excessive speed prevention  Speed and wash rules in harbour guide and web site, signage on buoys and around harbour.  Other harbour users. |
| 9  9 |
| Vessel Colliding with Pontoon or other vessel, moored or under way | Vessel/s sinkingor capsized  Entrapment  Falling overboard | Harbour Staff Harbour User | Drowning 5  Pollution 5  Damage 2 | 1  1  2 | 5  5  4 | Advice in Harbour Guide and web site on restricted maneuverability in the harbour and effect of tidal flow on vessels maneuvering near to main pontoon, especially on the channel side.  Harbour staff monitor mooring activities when available and give advice, guidance and assist if required.  Lifejackets to be worn by harbour staff. |
| Mooring Activities | Entanglement with Mooring  Injury due to lifting mooring  Falling Overboard  Weather | Harbour Staff Harbour User | Damage 2  Injury 2  Falling Overboard 5 | 2  1  1 | 4  2  5 | Advice in Harbour Guide and web site on restricted maneuverability in the harbour  Harbour staff monitor mooring activities when available and give advice, guidance and assist if required  Harbour staff aware of Emergency Plan  Pick up ropes inspected annually and the use of wire ropes prohibited  Advise/direct skippers to moor in a sheltered area of harbour.  Harbour staff trained in emergency first aid  Lifejackets to be worn by harbor staff |
| Vessels under sail and/or Motor within Authority’s Demarcation Area | Collision  Running aground  Sinking  Entanglement with mooring. | Harbour Staff  Harbour users  Environment | Injury 3  Damage to vessel 3  Pollution 3  Sinking 5 | 2  3  1  1 | 6 | Advice in Harbour Guide and web site on restricted maneuverability in the harbour.  Advise yachts not to sail in harbour  Navigational aids checked regularly and maintained  Harbour staff trained in emergency first aid  Depth of main channel and Bar regularly monitored  Harbour staff aware of Authority’s Environmental Pollution Policy  Speed restrictions enforced  Emergency Contacts list available  Lifejackets to be worn by harbour staff |
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| 3 |
| 5 |
| Vessel observed by Harbour Staff carryout illegal activities | Aggression towards Harbour Staff | Harbour Staff | Injury 3 | 1 | 3 | Harbour staff aware of Authority’s Aggression Policy and Procedure  Emergency contact list available. |
| Carbon Monoxide suspected or discovered aboard visiting vessel | Becoming unconscious or death | Harbour user  Harbour Staff | Unconscious 5  Death | 1 | 5 | Harbour staff trained in emergency first aid  Harbour staff aware of emergency plan |
| Access and Egress to Pontoons, foreshore | Slip, trip or fall.  Fall from height | Harbour Staff  Harbour users | Injury 5  Drowning 5 | 2  1 | 10 | Access and egress to steps, ladders, quays, slipways and pontoons regularly inspected.  Harbour staff trained in emergency first aid  Harbour Staff to wear appropriate PPE (Deck shoes and Lifejacket)  Harbour Staff advised to keep three points of contact whilst accessing and egressing |
| 5 |
| Medical Emergency | Major trauma within Harbour Demarcation Area | Harbour Staff  Harbour users | Injury 5  Death 5 | 1  1 | 5 | Emergency Contacts list available  Harbour Staff trained in emergency first aid  Harbour Staff aware of Authority’s emergency plan |
| 5 |
| Fire on board a vessel | Vessel set adrift  Neighbouring vessels  Gas bottle explosion | Harbour Staff  Harbour Users  Public  Environment | Injury 5  Damage to vessel 5  Pollution 3 | 1  1  1 | 5 | Emergency Contacts list available  Harbour staff aware of Authority’s emergency plan Harbour staff aware of Authority’s Environmental Pollution Policy and Procedures  Harbour staff trained in emergency first aid  Fire extinguisher kept on harbour launch |
| 5 |
| 3 |
| Vandalism, arson or break into a vessel | Vessel set adrift  Vessel sunk  Fire on vessel  Gas bottle explosion | Harbour Staff  Harbour Users  Public  Environment | Injury 2  Damage to vessel 3  Pollution 2 | 1  2  1 | 2 | CCTV surveillance  Harbour staff making regular patrols  Emergency Contacts list available  Harbour staff aware of Authority’s Environmental Pollution Policy and Procedures  Harbour staff aware of Authority’s emergency plan |
| 6 |
| 2 |
| Alcohol/Drugs | Collision  Running aground  Falling overboard  Aggression towards Harbour Staff or other harbour users | Harbour Staff  Harbour User | Injury 3  Damage to vessel 3  Drowning 5 | 4  2  1 | 12 | Information about alcohol dangers publicised around harbour, in harbour guide and web site.  Emergency Contacts list available  Harbour Staff aware of Authority’s emergency plan  Harbour staff trained in emergency first aid  Harbour staff to wear lifejacket |
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| 5 |
| Re-fueling of vessel | Fire  Fuel or Oil Spill  Digestion or ingestion of fuel | Harbour Staff  Harbour User | Injury 3  Pollution 3 | 1  1 | 3  3 | Emergency Contacts list available  Harbour staff trained in emergency first aid  Harbour Staff aware of Authority’s emergency plan  Harbour staff to wear lifejacket |
| Maintenance work | Fire  Fuel or Oil Spill  Fall from Height  Health risk from substances | Harbour Staff  Harbour User  Contractor | Injury 5  Pollution 5 | 1  1 | 5  5 | Harbour Staff aware of Authority’s emergency plan  Harbour staff trained in emergency first aid  Harbour staff to wear appropriate PPE |
| Swimming from Moored Vessels | Swept away by current  Cold water shock  Hypothermia  Run over by vessel | Harbour User | Injury 5  Downing 5 | 1  1 | 5  5 | Harbour Staff aware of Authority’s emergency plan  Emergency Contacts list available  Advice in Harbour Guide and web site on tidal flow and the dangers of swimming in main channel |
| Tender transfers | Falling overboard  Collision  Fall from height  Dinghy Overturning  Weather conditions | Harbour user | Injury 3  Damage to vessel 2 or tender  Pollution 2 | 3  2  1 | 9 | Promote wearing lifejackets, harbour guide and website  Provide lifejacket lockers  Harbour Staff aware of Authority’s emergency plan  Harbour Staff trained in emergency first aid  Harbour staff aware of Authority’s Environmental Pollution Policy and Procedures  Regular bailing of tenders by owner |
| 4  2 |
| Vessel drifting | Collision  Running aground  Mooring Equipment Failure  Failure to moor correctly  Weather conditions | Harbour user | Injury 3  Damage to vessel 3  Pollution 3 | 1  2  1 | 3 | Maintenance regime for moorings instigated  Checks by Harbour Staff of dock and bow lines in adverse weather conditions.  Harbour staff monitor mooring activities when available and give advice, guidance and assist if required.  Harbour staff trained in emergency first aid |
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| 3 |

\* Post application of control measure

Reviewed by

Name: Signature: Date: