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  | CollisionExcessive wash | Harbour usersHarbour user | Injury 3Damage 3Injury 3 | 333 | 9 | Advice from Harbour MasterHarbour staff trained in emergency first aidHarbour Launch visible to harbour users for excessive speed preventionSpeed and wash rules in harbour guide and web site, signage on buoys and around harbour.Other harbour users. |
| 99 |
| Vessel Colliding with Pontoon or other vessel, moored or under way | Vessel/s sinkingor capsizedEntrapmentFalling overboard | Harbour Staff Harbour User | Drowning 5Pollution 5Damage 2 | 112 | 554 | 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 MooringInjury due to lifting mooringFalling OverboardWeather | Harbour Staff Harbour User | Damage 2Injury 2Falling Overboard 5 | 211 | 425 | Advice in Harbour Guide and web site on restricted maneuverability in the harbourHarbour staff monitor mooring activities when available and give advice, guidance and assist if requiredHarbour staff aware of Emergency PlanPick up ropes inspected annually and the use of wire ropes prohibitedAdvise/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 agroundSinkingEntanglement with mooring. | Harbour StaffHarbour usersEnvironment | Injury 3Damage to vessel 3Pollution 3Sinking 5 | 2311 | 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 maintainedHarbour staff trained in emergency first aidDepth of main channel and Bar regularly monitoredHarbour staff aware of Authority’s Environmental Pollution PolicySpeed restrictions enforcedEmergency Contacts list availableLifejackets to be worn by harbour staff |
| 9 |
| 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 ProcedureEmergency contact list available. |
| Carbon Monoxide suspected or discovered aboard visiting vessel | Becoming unconscious or death | Harbour userHarbour Staff | Unconscious 5Death | 1 | 5 | Harbour staff trained in emergency first aidHarbour staff aware of emergency plan |
| Access and Egress to Pontoons, foreshore  | Slip, trip or fall.Fall from height | Harbour StaffHarbour users | Injury 5Drowning 5 | 21 | 10 | Access and egress to steps, ladders, quays, slipways and pontoons regularly inspected.Harbour staff trained in emergency first aidHarbour 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 StaffHarbour users | Injury 5Death 5 | 11 | 5 | Emergency Contacts list availableHarbour Staff trained in emergency first aidHarbour Staff aware of Authority’s emergency plan |
| 5 |
| Fire on board a vessel | Vessel set adriftNeighbouring vessels Gas bottle explosion | Harbour StaffHarbour UsersPublicEnvironment | Injury 5Damage to vessel 5Pollution 3 | 111 | 5 | Emergency Contacts list availableHarbour staff aware of Authority’s emergency plan Harbour staff aware of Authority’s Environmental Pollution Policy and ProceduresHarbour staff trained in emergency first aidFire extinguisher kept on harbour launch |
| 5 |
| 3 |
| Vandalism, arson or break into a vessel | Vessel set adriftVessel sunkFire on vesselGas bottle explosion | Harbour StaffHarbour UsersPublicEnvironment | Injury 2 Damage to vessel 3Pollution 2 | 121 | 2 | CCTV surveillanceHarbour staff making regular patrolsEmergency Contacts list available Harbour staff aware of Authority’s Environmental Pollution Policy and ProceduresHarbour staff aware of Authority’s emergency plan |
| 6 |
| 2 |
| Alcohol/Drugs | CollisionRunning agroundFalling overboardAggression towards Harbour Staff or other harbour users  | Harbour StaffHarbour User | Injury 3Damage to vessel 3Drowning 5 | 421 | 12 | Information about alcohol dangers publicised around harbour, in harbour guide and web site.Emergency Contacts list availableHarbour Staff aware of Authority’s emergency planHarbour staff trained in emergency first aidHarbour staff to wear lifejacket |
| 6 |
| 5 |
| Re-fueling of vessel | FireFuel or Oil SpillDigestion or ingestion of fuel | Harbour StaffHarbour User | Injury 3Pollution 3 | 11 | 33 | Emergency Contacts list availableHarbour staff trained in emergency first aidHarbour Staff aware of Authority’s emergency plan Harbour staff to wear lifejacket |
| Maintenance work  | FireFuel or Oil SpillFall from HeightHealth risk from substances  | Harbour StaffHarbour UserContractor | Injury 5Pollution 5 | 11 | 55 | Harbour Staff aware of Authority’s emergency plan Harbour staff trained in emergency first aidHarbour staff to wear appropriate PPE |
| Swimming from Moored Vessels | Swept away by currentCold water shockHypothermiaRun over by vessel | Harbour User | Injury 5Downing 5 | 11 | 55 | 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 overboardCollisionFall from heightDinghy OverturningWeather conditions | Harbour user | Injury 3Damage to vessel 2 or tenderPollution 2 | 321 | 9 | Promote wearing lifejackets, harbour guide and websiteProvide lifejacket lockers Harbour Staff aware of Authority’s emergency plan Harbour Staff trained in emergency first aidHarbour staff aware of Authority’s Environmental Pollution Policy and ProceduresRegular bailing of tenders by owner |
| 42 |
| Vessel drifting | CollisionRunning agroundMooring Equipment FailureFailure to moor correctlyWeather conditions | Harbour user | Injury 3Damage to vessel 3 Pollution 3 | 121 | 3 | Maintenance regime for moorings instigatedChecks 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 |
| 6 |
| 3 |

\* Post application of control measure

Reviewed by

Name: Signature: Date: