

The Royal Navy Submarine Museum

Educational and Group Visits Risk Assessment

2006

For a full site risk assessment please see the museum's publication scheme.

**The Royal Navy Submarine Museum
Haslar Jetty Road
Gosport
Hampshire
PO12 2AS**

Tel: 02392 510354

Fax: 02392 511349

e-mail: rnsubs@rnsusmus.co.uk

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This risk assessment has been compiled to assist in the planning of organised group visits to the Royal Navy Submarine Museum and is intended for guidance only.

It comprises excerpts of the full site risk assessment copies of which may be obtained from;

Mr JJ Molloy
Technical Services Manager
The Royal Navy Submarine Museum
Haslar Jetty Road
Gosport
Hampshire
PO12 2AS

Tel: 02392 510354 ext 235.

e-mail: tecsupport@rnsbmus.co.uk

The full site risk assessment covers areas not normally accessible to the public such as machinery spaces, plant rooms and administration offices. It also covers arrangements museum operations and contractors. All areas out of bounds to the public are clearly marked and kept locked when not occupied or in use.

Pre visit inspections.

If a pre-visit risk assessment is required please arrange this through the member of staff with whom the booking is being made.

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Gallery Monitoring

Uniformed Museum Assistants regularly patrol all public areas and the majority of public areas are also covered by a CCTV system

First Aid

All Museum Assistants are in radio contact with trained first aiders who will respond to all incidents.

Protection for venerable persons

All Museum staff and volunteers have been staff CRB checked.

Fire and Fire Risk Assessments

Fire risk assessments are carried out in association with the MoD Fire Officer Fort Blockhouse
All uniformed members of staff are required to take part in an annual fire prevention course.
Annual fire and evacuation exercises are carried out throughout the Museum.

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: General Site Arrangements				
Date: October 2006, Assessor: JJ Molloy, Technical Services Manager				
Locations: General.				
Source	Risk	In Place	Level	TBD
Staff	Human Interaction	Policies Training Vetting Procedures	L	
Staff	Inappropriate Behaviour	Policies Training Vetting Procedures	L	
Members of the Public	Aggression / unacceptable behaviour	Security staff CCTV Policies Training Procedures	L	
Fire	Injury from fire related incident	Fire exercises Inspection of fire fighting equipment. Maintenance of fire fighting Equipment. Fire exit signage Emergency lighting Staff training Procedures Staff presence Good communications Liaison with local authorities	L	
First Aid / Medical		Dedicated first aid post Trained first aid staff Procedures Communications	L	
Emergency Procedures / Incident Control		Staff training Exercises Consultation with local authorities Policies	L	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit to the Submarine Museum				
Date: October 2006 Assessor: JJ Molloy, Technical Services Manager				
Locations: Car Park				
Source	Risk	In Place	Level	TBD
Moving Vehicles	Collision between Vehicle and Pedestrian	<ul style="list-style-type: none"> • Pedestrian areas defined • Speed limit in force • Warning signs 	L	
Moving Vehicles	Collision between two or more Vehicles	<ul style="list-style-type: none"> • Parking spaces clearly defined. • Blind spots reduced. 	L	
Large groups of pedestrians alighting from coaches	Collision between pedestrians and moving vehicles	<ul style="list-style-type: none"> • Coach parking areas defined • Marshalling areas defined • Supervision 	L	
Extreme weather	Slips and falls due to Ice etc	<ul style="list-style-type: none"> • Grit (sand) available to treat surface 	L	
Exhibits	Falls whilst climbing on exhibits	<ul style="list-style-type: none"> • Keep off signs • Restricted access to exhibits • Supervision 	L	
Exhibits	Cuts from sharp edges	<ul style="list-style-type: none"> • Sharp edges / protrusions removed or covered. 	L	
Moving vehicles	Accident between moving vehicles and static objects	<ul style="list-style-type: none"> • Road marking • Barriers • Marker lighting 	L	
Vehicles making deliveries to Torbay building	Collision between vehicles reversing and manoeuvring, pedestrians and other vehicles	<ul style="list-style-type: none"> • Vehicles to use audible warnings, • Defined reversing Delivery area. • Timed Delivery periods 	L	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit to the Submarine Museum Education Centre				
Date: October 2006 Assessor: JJ Molloy, Technical Services Manager				
Locations: Education Centre				
Source	Risk	In Place	Level	TBD
Unruly members of the public	Aggression	<ul style="list-style-type: none"> • Restricted Access • Adequate staffing • Surveillance to prevent access to class room 	L	
Fire	Panic/burns/aggression	<ul style="list-style-type: none"> • Pre class brief provided • Fire Exits clearly marked • Visitor Numbers controlled • Adequate staffing • Housekeeping • Trained first aiders available • Fire Fighting Equipment Supplied • Fire Fighting Equipment Maintained 	L	
Electrical Supplies	Electrical shock	<ul style="list-style-type: none"> • Supply testing • PAT testing • Restricted access • Staff presence 	L	
Climbing	Fall injuries	<ul style="list-style-type: none"> • Adequate supervision 	L	
Coat hooks	Cuts and Bruises	<ul style="list-style-type: none"> • Verbal warning • Supervision 	L	
Toilets	Interference	<ul style="list-style-type: none"> • Non public • Girls supervised • Boys may be accompanied if requested 	L	
Water	Slips	<ul style="list-style-type: none"> • Issued by adults • Supervision • Remedial action 	L	
Paper clips	Cuts. Punctures	<ul style="list-style-type: none"> • Plastic clips used • Verbal warning 	L	
Scissors	Cuts. Punctures	<ul style="list-style-type: none"> • Safety Scissors used • Supervision • Restricted Use 	L	
Pencils	Punctures	<ul style="list-style-type: none"> • Verbal warning • Supervision • Restricted use 	L	
Objects	Cuts	<ul style="list-style-type: none"> • Instruction • Supervision 	L	
Objects	Choking	<ul style="list-style-type: none"> • Small objects removed • Instruction • Supervision • Maintenance 	L	
Objects - hygiene	Contamination	<ul style="list-style-type: none"> • Treated • Disinfected after use 	L	
Objects - weight	Knocks, bruises, cuts.	<ul style="list-style-type: none"> • Viewing tables used • Supervision 	L	
Costumes - wearing	Trips and Falls	<ul style="list-style-type: none"> • One on one supervision 	L	
Costumes - Decency	In appropriate costumes	<ul style="list-style-type: none"> • Warn over own clothes • One on one supervision 	L	
Costumes - Hygiene	Contamination	<ul style="list-style-type: none"> • Treated • Monitored • Remedial action 	L	

Objects – closures & Lids	Nips, traps and cuts	<ul style="list-style-type: none"> • Handling advice • Supervision 	L	
Objects – sharps and Points	Punctures	<ul style="list-style-type: none"> • Removal • Covering • Handling advice • Supervision 	L	
Objects – leads	Trips	<ul style="list-style-type: none"> • Stowage devices • Supervision 	L	
Objects – moving parts	Traps, pinches, cuts	<ul style="list-style-type: none"> • Removal • Locking • Supervision 	L	
Lighting	Light triggering disabilities	<ul style="list-style-type: none"> • Light effects not present • Maintenance • Flicker free 	L	
Lighting	Eye Strain	<ul style="list-style-type: none"> • Adequate Lighting • Monitoring 	L	
Contamination	Ill effects from interaction with exhibits	<ul style="list-style-type: none"> • Removal • Regular monitoring • Inspections • Testing 	L	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record
Activity: school or group visit to the Submarine Museum Education Centre

Date: October 2006 **Assessor:** JJ Molloy, Technical Services Manager

Locations: Torbay Building Toilets

Source	Risk	In Place	Level	TBD
Fire	Injury from fire related incident	<ul style="list-style-type: none"> • Exercises • Fire Exits clear • Fire Alarm • Housekeeping 		
Electrical Supplies	Electrical shock	<ul style="list-style-type: none"> • Supply testing • PAT testing • Restricted access 		
Lighting	Light triggering disabilities	<ul style="list-style-type: none"> • Light effects not present • Maintenance • Flicker free 		
Toilets	Hygiene Issues	<ul style="list-style-type: none"> • Hot water / soap provided • Regular (daily) cleaning • Monitoring • Remedial action 		
Fire	Injury from fire related incident	<ul style="list-style-type: none"> • Exercises • Fire Exits clear • Fire Alarm • Housekeeping 		

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit to the Weapons Gallery				
Date: October 2006 Assessor: JJ Molloy, Technical Services Manager				
Locations: Weapons Gallery				
Source	Risk	In Place	Level	TBD
Fire	Panic/burns/ aggression	<ul style="list-style-type: none"> • Fire Exits clearly marked • Adequate staffing • Housekeeping • Fire Fighting equipment supplied • Fire fighting equipment maintained 	L	
Exhibits	Cuts from sharp edges	<ul style="list-style-type: none"> • Keep off signs • Sharp edges / protrusions removed or covered. 	L	
Exhibits	Falls whilst climbing on exhibits	<ul style="list-style-type: none"> • Keep off Signs • Supervision 	L	
Exhibits / heavy objects	Stability	<ul style="list-style-type: none"> • Barriers • Suitable supports • Inspections • Staff Presence 	L	
Extreme weather	Slips and falls	<ul style="list-style-type: none"> • Non slip deck 	L	
Electrical Supplies	Electric shock	<ul style="list-style-type: none"> • Supply testing • PAT testing • Restricted access • Staff presence 	L	
Lighting	Eye strain	<ul style="list-style-type: none"> • Spot Lighting 	L	
Lighting	Light triggering disabilities	<ul style="list-style-type: none"> • Light effects not present • Maintenance • Flicker free 	L	
Toilets	Hygiene Issues	<ul style="list-style-type: none"> • Hot water / soap provided • Regular (daily) cleaning • Monitoring • Remedial action 	L	
Members of the Public	Aggression / unacceptable behaviour	<ul style="list-style-type: none"> • Security staff • Policies • Training • Procedures 	L	
Contamination	Ill effects from interaction with exhibits	<ul style="list-style-type: none"> • Removal • Regular monitoring • Inspections • Testing • Barriers 	L	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit to the Submarine Museum				
Date: October 2006 Assessor: JJ Molloy, Technical Services Manager				
Locations: Millennium Walkway				
Source	Risk	In Place	Level	TBD
Moving vehicles	Collision between vehicle and pedestrian	<ul style="list-style-type: none"> • Restricted / controlled vehicle access. • Speed limits in force • Restricted parking • Pedestrian warning signs in place 	L	
Vehicles manoeuvring	Collision between vehicle and pedestrian	<ul style="list-style-type: none"> • Vehicle control systems • Turning area provided 	L	
Exhibits	Falls whilst climbing on exhibits	<ul style="list-style-type: none"> • Keep off signs • Barriers • Supervision 	L/M	
Exhibits	Cuts from sharp edges	<ul style="list-style-type: none"> • Barriers • Sharp edges / Protrusions removed or covered. 	L	
Historic Walkway - Uneven surface	Trips and falls	<ul style="list-style-type: none"> • Inspections • Hazard warnings in Place • Barriers in use 	L	
Uneven surface	Trips and falls	<ul style="list-style-type: none"> • Inspections • Remedial action • Hazard warnings in Place • Barriers in use 	L	
Extreme weather	Slips and falls	<ul style="list-style-type: none"> • Grit (sand) available to treat surface. • Drainage inspected and maintained. • Street lighting provided 	L	
Debris on walkway	Trips, slips and falls	<ul style="list-style-type: none"> • Regular sweeping and clearing • Inspections • Remedial action 	L	
Lighting	Trip slips though poor visibility	<ul style="list-style-type: none"> • Street Lighting 	L	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit to the John Fieldhouse Building				
Date: October 2006 Assessor: Bob Mealings, Curator				
Locations: John Fieldhouse Building, Ground Floor, X24.				
Source	Risk	In Place	Level	TBD
Exhibits	Falls whilst climbing on exhibits, exhibits falling over, falling off	Keep off signs Barriers Suitable fixings and supports Regular maintenance checks Supervision by Museum Supervisor, Museum Assistant Monitored by CCTV	Low (1)	
Midget Submarine X24	Falls whilst climbing on the submarine or inside the submarine. Collision with pointed edges.	Shape and size make climbing not possible. Signs indicate that the interior is not accessible; barriers indicate the interior is not accessible. Pointed edges protected with rubber or similar Supervision by Museum Assistant & Supervisor Monitored by CCTV	Low	
Electrical supplies	Electric shock	Supply testing Pat Testing Restricted Access Socket tamper guards Supervision by Museum Assistant	Low (1)	
Stairs Ramp to X24	Trip hazard / falling	Handrails Brightly painted steps Suitable lighting Friction grip flooring Supervision by Museum Assistant	Low (1)	
Showcases	Collision – breaking glass	Safety glass (shatter proof) Suitable lighting Supervision by Museum Assistant	Low (1)	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit to the John Fieldhouse Building				
Date: October 2006 Assessor: Bob Mealings, Curator				
Locations: Submarine and Science Interactive Gallery				
Source	Risk	In Place	Level	TBD
Interactive Exhibits	Cuts from sharp edges	Permanent Protection rail Exposed edges all bevelled Supervision by Museum Assistant CCTV monitoring Supervision by Museum Assistant Maintenance	Low (1)	
Interactive Exhibits	Trapped fingers	Turning and moving parts all protected or enclosed Supervision by Museum Assistant CCTV monitoring Supervision by Museum Assistant Maintenance	Low (1)	
Interactive Exhibits	Collision	Good lighting Permanent protection rail Strong colour contrasts Supervision by Museum Assistant Maintenance	Low (1)	
Exhibits (Battery and helm)	Cuts from sharp edges	Protected with padding Supervision by Museum Assistant	Low (1)	
Exhibits	Falls whilst climbing on exhibits, exhibits falling over, falling off	Keep off signs	Low (1)	
AV enclosure	Collision with seating bars	Bars heavily padded	Low (1)	
Bunk Space Enclosure	Falls whilst climbing on exhibits, or falling off Cuts from sharp edges	Low level access Good lighting Barriers that restrict access (top bunks) Low level edges bevelled Supervision by Museum Assistant	Low (1)	
Electrical supplies	Electric shock	Supply testing Pat Testing Restricted Access Socket tamper guards Supervision by Museum Assistant	Low (1)	
Showcases	Collision – breaking glass	Safety glass (shatter proof) Suitable lighting Marking on glass Supervision by Museum Assistant	Low (1)	
Visual displays	Eye strain	Flicker free Short duration	Low (1)	
Lighting	Eye strain	Individually lit cases Spot lighting	Low (1)	
Lighting (Fin Display)	Light triggered disabilities from Flashing lights	Low cycle of flash Not direct light Low wattage Not constant	L/M	
Lighting	Light triggered disabilities	Limited strip/florescent lighting Flicker free Maintenance	Low (1)	
Stairs	Trip hazard / falling	Handle rails Brightly finished steps Suitable lighting	Low (1)	

Contamination	Synthetic oil - irritant Water – infection Alcohol in jars – toxic, irritant, flammable	Not toxic or poisonous, Sealed in containers. Sealed in container chlorinated to prevent infection Sealed in glass jars located in protective enclosures Maintenance	Low (1)	
Fire	Panic/burns/aggression	Fire exits clear marked Adequate staff Housekeeping Fire fighting equipment supplied and maintained Fire/smoke detection system	Low (1)	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit to the submarine history galleries.				
Date: October 2006 Assessor: Alexandra Geary, Keeper of Artefacts				
Locations: John Fieldhouse Building History Galleries				
Source	Risk	In Place	Level	TBD
Exhibits - general	Cuts from sharp edges	Keep off signs Sharp edges removed or covered Supervision by Museum Assistant	Low (1)	
Exhibits - open display	Falls whilst climbing on exhibits	Keep off signs Barriers Suitable fixings and supports Regular maintenance checks Supervision by Museum Assistant All exhibits covered by CCTV	Low (1)	
Exhibit – Turtle model	Moving parts hazard/finger trapping	Mannequin placed in model to discourage visitors reaching in Do not touch signage Supervision by Museum Assistant	Low (1)	
Exhibit - bells	Finger trapping	Bells have been secured to the base with a chain Do not touch signage Supervision by Museum Assistant	Low (1)	
Exhibit – medal display drawers	Cuts/finger trapping	Bevelled edges on drawers Well lit area Brightly coloured unit – in contrast to the rest of the display area Safety glass used in drawers	Low (1)	
Exhibit – Handling collection	Trip hazard/children hurting themselves on objects	Low hazard items, e.g. soft fabrics, chosen Supervision by Museum Assistant, who checks that the items have been put away properly	Low (1)	
Exhibit – Conqueror Cabin enclosure	Finger traps/cuts from sharp edges	Trap hazards sealed Sharp edges removed Good lighting	Low (1)	
Exhibit – Periscopes	Falling/finger trapping	Regular maintenance Supervision and monitoring by Museum Assistant	Low (1)	
Electrical supplies	Electric shock	Supply testing Pat Testing Restricted Access Supervision by Museum Assistant	Low (1)	
Stairs	Trip hazard / falling	Handle rails Brightly painted steps Suitable lighting Stairs are kept clean Regular inspections by museum staff	Low (1)	

Showcases	Collision – breaking glass/ bruising	Safety glass (shatter proof) Suitable lighting Marking on glass Sufficient space between display cases Children are requested not to run or lean on glass Supervision by Museum Assistant	Low (1)	
Visual displays	Eye strain	Flicker free Short duration	Low (1)	
Lighting	Eye strain	Individually lit cases Spot lighting	Low (1)	
Contamination	Contamination	Construction materials and paint finishes are safe to visitor contact	Low (1)	
Fire	Panic/burns/aggression	Fire exits clear marked Adequate staff Housekeeping Fire fighting equipment supplied and maintained Fire/smoke detection system	Low (1)	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit around the Holland Gallery.				
Date: October 2006				
Assessor: JJ Molloy, Technical Services Manager				
Locations: Holland Gallery				
Source	Risk	In Place	Level	TBD
Fire	Panic/burns/aggression	<ul style="list-style-type: none"> • Fire Exits clearly marked • Adequate staffing • Housekeeping • Fire Fighting equipment supplied • Fire fighting equipment maintained 	L	
Support cradle of submarine	Trips on projections	<ul style="list-style-type: none"> • Hazard markings • Staff presence 	L	
Members of the Public	Aggression / unacceptable behaviour	<ul style="list-style-type: none"> • Security staff • Policies • Training • Procedures • CCTV 	L	
Stairs	Trips and Falls	<ul style="list-style-type: none"> • Hand Rails • Adequate lighting • Staff Presence 	L	
Lighting	Eye strain	<ul style="list-style-type: none"> • Individually lit cabinets • Spot Lighting 	L	
Lighting	Light triggering disabilities	<ul style="list-style-type: none"> • Light effects not present • Limited strip lighting • Natural Light • Maintenance • Flicker free 	L	
Submarine Interior – Protrusions	Cuts, bruises	<ul style="list-style-type: none"> • Sharpe edges covered • Suitable lighting • CCTV • Warning Signs 	L/M	
Submarine Interior – Protrusions	Trips and falls	<ul style="list-style-type: none"> • Warning Signs • CCTV • Maintenance • Inspections 	L/M	
Submarine Interior – Low Head Room	Cuts and knocks on hard edges	<ul style="list-style-type: none"> • Warning Signs • CCTV • Staff presence • Adequate lighting 	L/M	
Submarine interior – low head room	Trips and falls	<ul style="list-style-type: none"> • Warnings • CCTV • Staff presence • Adequate lighting • Markings and paint 	L/M	
Submarine interior – confined space	Claustrophobia	<ul style="list-style-type: none"> • CCTV • Staff presence • Adequate lighting 	L/M	
Contamination	Ill effects from interaction with exhibits	<ul style="list-style-type: none"> • Removal • Regular monitoring • Inspections • Testing • Barriers 	L	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit to HMS Alliance.				
Date: October 2006				
Assessor: JJ Molloy, Technical Services Manager				
Locations: HMS Alliance				
Source	Risk	In Place	Level	TBD
General	First aid	<ul style="list-style-type: none"> Trained first aid personnel in communication with each compartment 	L	
General	Unforeseen incidents	<ul style="list-style-type: none"> Escorted groups only Alliance Guides in attendance Alarms fitted in each compartment. 	L	
Fire	Panic/burns/aggression	<ul style="list-style-type: none"> Fire Exits clearly marked Smoke/Fire detection systems installed. Adequate staffing Housekeeping Fire Fighting equipment supplied Fire fighting equipment maintained Evacuation exercises 	L	
Electrical Supplies	Electrical shock	<ul style="list-style-type: none"> Supply testing PAT testing Restricted access Staff presence 	L	
Lighting	Eye strain	<ul style="list-style-type: none"> Suitable Lighting 	L	
Lighting	Light triggering disabilities	<ul style="list-style-type: none"> Maintenance Flicker free 	L	
Members of the Public	Aggression / unacceptable behaviour	<ul style="list-style-type: none"> Security staff Policies Training Procedures 	L	
Extreme weather	Slips and falls	<ul style="list-style-type: none"> Hand rails Inspections Maintenance Supervision 	L	
Steps	Trips and falls	<ul style="list-style-type: none"> Hand rails Access gate Signage Supervision 	L/M	
Gangways	Slips, trips, falls	<ul style="list-style-type: none"> Testing & monitoring Hand Rails Access gate Supervision 	L	
Contamination	Ill effects from interaction with exhibits	<ul style="list-style-type: none"> Removal Regular monitoring Inspections Testing Barriers 	L	
Submarine Interior – Protrusions	Cuts, bruises	<ul style="list-style-type: none"> Sharpe edges covered Suitable lighting Supervision Instructional brief 	L/M	

Submarine Interior – Protrusions	Trips and falls	<ul style="list-style-type: none"> • Instructional brief • Supervision • Maintenance • Inspections 	L/M	
Submarine Interior – Low Head Room	Cuts and knocks on hard edges	<ul style="list-style-type: none"> • Safety brief by guide • Staff presence • Adequate lighting 	L/M	
Submarine interior – low head room	Trips and falls	<ul style="list-style-type: none"> • Safety brief by guide • Staff presence • Adequate lighting • Markings and paint 	L/M	
Submarine interior – confined space	Claustrophobia	<ul style="list-style-type: none"> • Safety Brief by guide • Staff presence • Adequate lighting 	L/M	
Special effects - noise	Panic	<ul style="list-style-type: none"> • Special effects supervised by guide • Verbal warnings prior to operation 	L	
Special effects - Lighting	Panic Light Activated disabilities	<ul style="list-style-type: none"> • Special effects supervised by guide • Verbal warnings prior to operation 	L	
Extreme temperatures - heat	Faints	<ul style="list-style-type: none"> • Local ventilation fans. • Local control of tour size. • First aid staff in communication with each compartment 	L/M	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit around the Jolly Roger Cafe				
Date: October 2006 Assessor: JJ Molloy, Technical Services Manager				
Locations: Jolly Roger Cafe				
Source	Risk	In Place	Level	TBD
Fire	Panic/burns/ aggression	<ul style="list-style-type: none"> • Fire Exits clearly marked • Adequate staffing • Housekeeping • Fire Fighting equipment supplied & maintained 	L	
Electrical Supplies	Electric shock	<ul style="list-style-type: none"> • Supply testing • PAT testing • Restricted access • Staff presence 	L	
Contamination	Ill effects from contamination	<ul style="list-style-type: none"> • Procedures • Training • Supervision • Inspections 	L	
Members of the Public	Aggression / unacceptable behaviour	<ul style="list-style-type: none"> • Security staff • Policies • Training • Procedures 	L	
Lighting	Light triggering disabilities	<ul style="list-style-type: none"> • Light effects not present • Strip lighting / Natural light • Maintenance • Flicker free 	L	
Spillages	Slips	<ul style="list-style-type: none"> • Inspections • Housekeeping • Remedial Action 	L	
Activity: school or group visit around the Jolly Roger Café Annex.				
Date: October 2006 Assessor: JJ Molloy, Technical Services Manager				
Locations: Café Annex				
Source	Risk	In Place	Level	TBD
Display Cases	Cuts	<ul style="list-style-type: none"> • Rounded Edges 	L	
Fire	Panic/burns/ aggression	<ul style="list-style-type: none"> • Fire Exits clearly marked • Adequate staffing • Housekeeping • Fire Fighting equipment supplied • Fire fighting equipment maintained 	L	
Electrical Supplies	Electric shock	<ul style="list-style-type: none"> • Supply testing • PAT testing • Restricted access • Staff presence 	L	
Lighting	Eye strain	<ul style="list-style-type: none"> • Spot Lighting 	L	
Lighting	Light triggering disabilities	<ul style="list-style-type: none"> • Light effects not present • Limited strip lighting • Maintenance • Flicker free 	L	
Members of the Public	Aggression / unacceptable behaviour	<ul style="list-style-type: none"> • Security staff • Policies • Training • Procedures 	L	
Spillages	Slips	<ul style="list-style-type: none"> • Inspections • Housekeeping • Remedial Action 	L	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit around the Gift Shop / Ticket Office.				
Date: October 2006 Assessor: JJ Molloy, Technical Services Manager				
Locations: Gift Shop / Ticket Office				
Source	Risk	In Place	Level	TBD
Display Cases	Cuts	<ul style="list-style-type: none"> • Rounded Edges 	L	
Fire	Panic/burns/aggression	<ul style="list-style-type: none"> • Fire alarm / smoke detection installed • Fire Exits clearly marked • Adequate staffing • Housekeeping • Fire Fighting equipment supplied • Fire fighting equipment maintained 	L	
Electrical Supplies	Electric shock	<ul style="list-style-type: none"> • Supply testing • PAT testing • Restricted access • Staff presence 	L	
Lighting	Eye strain	<ul style="list-style-type: none"> • Spot Lighting 	L	
Lighting	Light triggering disabilities	<ul style="list-style-type: none"> • Light effects not present • Limited strip lighting • Maintenance • Flicker free 	L	
Members of the Public	Aggression / unacceptable behaviour	<ul style="list-style-type: none"> • Security staff • Policies • Training • Procedures 	L	
Spillages	Slips	<ul style="list-style-type: none"> • Inspections • Housekeeping • Remedial Action 	L	

Royal Navy Submarine Museum Health & Safety Risk Assessment Record				
Activity: school or group visit around Haslar Jetty.				
Date: October 2006 Assessor: JJ Molloy, Technical Services Manager				
Locations: Haslar Jetty				
Source	Risk	In Place	Level	TBD
Waterside	Falls into water	<ul style="list-style-type: none"> • Non slip surfaces on gangways • Non slip surfaces on pontoon • Training • Rescue equipment • Supervision • Barriers / Fencing / Gates • Warning Signs • Lighting • Rescue equipment available 	L	
Boats/vessels manoeuvring alongside	Slips trips and falls whilst boarding or alighting from boats	<ul style="list-style-type: none"> • Training • Barriers • Procedures • Rescue equipment 	L/M	
Exhibits on Jetty	Falls whilst climbing on exhibits	<ul style="list-style-type: none"> • Keep off signs • Supervision 	L/M	
Exhibits on Jetty	Cuts from sharp edges	<ul style="list-style-type: none"> • Keep off signs • Sharp edges / Protrusions removed or covered. 	L/M	
Extreme weather	Slips and Falls	<ul style="list-style-type: none"> • Grit (Sand) available • Non slip surfaces on gangways • Non slip surface on pontoon • Lighting 	L	
Debris on Jetty	Trips, slips and falls	<ul style="list-style-type: none"> • Regular sweeping and clearing • Inspections • Remedial action 	L	
Jetty Structure	Structural failure	<ul style="list-style-type: none"> • Inspections • Structural test (MOD) 	L	
Water Bus Gang Way	Structural Failure	<ul style="list-style-type: none"> • Inspections • 3 yearly inspection and testing 	L	
Visibility	Trips and falls	<ul style="list-style-type: none"> • Adequate lighting provided • Hazard warnings in place 	L/M	