Brookhaven National Laboratory – Photon Sciences - National Synchrotron Light Source						
Beamline Hazard Analysis - Beamline X1A1						
LS-BHA-X1A1	Revision: 02	Effective: 9/16/11	Page 1 of 1			
The following tasks are included in the beamline safety review. Any operations not listed here, or performed by others than						
those listed, need additional review by ES&H personnel and/or beamline personnel.						

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Tasks / Equipment	Performed by:		Controls		
, , ,	Beamline Staff	Users			
Inert compressed gas	Υ	Y	 Compressed gas training – TQ-COMPGAS1 or NSLS User training Transport cylinders using a cylinder cart Properly secure cylinders Wear safety glasses with side shields while connecting lines Leak check gas lines 		
Toxic compressed gases	Y	N	 Compressed gas training – TQ-COMPGAS1 or NSLS User training Properly secure cylinders Use small quantities or a ventilated gas cabinet Wear safety glasses with side shields while connecting lines Leak check gas lines 		
High temperature - bakeout	Υ	N	Training		
Solvents	Y	Y	 Limit quantities at beamline to < 250 ml Use PPE - safety glasses, nitrile gloves 		
Using the LN2 Fill Station or pressurized transfer	Y	Y	 LS-PROC-LN2FILL-MANL training for fill station Use full face shield along with goggles or safety glasses Long pants and sleeves - avoid clothing which can trap cryogens (pockets, cuffs) Cryogen or heavy gloves Enclosed shoes 		
Cutting/razor blades	Y	Y	 Be aware of hand positioning Use safety knife when possible Consider using cut resistant gloves for frequent cutting tasks 		