

Beamline Hazard Analysis - Beamline X18A

LS-BHA-X18A

Revision: 02

Effective: 10/17/11

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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.

Prepared By: S. Ehrlich

Approved By: Lori Stiegler

Tasks / Equipment	Performed by:		Controls
	Beamline Staff	Users	
Inert compressed gas	Y	N	<ul style="list-style-type: none"> 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	Y	<ul style="list-style-type: none"> Compressed gas training – TQ-COMPGAS1 or NSLS User training Transport cylinders using a cylinder cart Properly secure cylinders Use small quantities or a ventilated gas cabinet Wear safety glasses with side shields while connecting lines Leak check gas lines
Flammable compressed gases	Y	Y	<ul style="list-style-type: none"> Compressed gas training – TQ-COMPGAS1 or NSLS User training Transport cylinders using a cylinder cart Properly secure cylinders Use small quantities or a ventilated gas cabinet Use a flash arrestor Wear safety glasses with side shields while connecting lines Leak check gas lines
Solvents	Y	Y	<ul style="list-style-type: none"> Limit quantities at beamline to < 250 ml Use PPE - safety glasses, nitrile gloves
Class 2/3a laser	Y	N	<ul style="list-style-type: none"> Laser registration, warning signs
Soldering	Y	N	<ul style="list-style-type: none"> Use a designated area, periodically clean surfaces
High temperature	Y	Y	<ul style="list-style-type: none"> Warning signs Training
Beryllium use	Y	Y	<ul style="list-style-type: none"> Handle articles with gloves, Leave area and contact OpCo if damaged
Cutting/razor blades	Y	Y	<ul style="list-style-type: none"> Be aware of hand positioning Use safety knife when possible Consider using cut resistant gloves for frequent

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