

Beamline Hazard Analysis - Beamline X20C

LS-BHA-X20C

Revision: 02

Effective: 10/17/11

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.

Prepared By: J. Jordan-Sweet

Approved By: Lori Stiegler

| Tasks / Equipment | Performed by: | | Controls |
|---|----------------|-------|---|
| | Beamline Staff | Users | |
| Inert compressed gas | 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 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 |
| Ergonomics concerns – pinch points/sharp edges – moving table | Y | Y | <ul style="list-style-type: none"> Training |
| Soldering | Y | Y | <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 cutting tasks |