

Beamline Hazard Analysis - Beamline X25

LS-BHA-X25

Revision: 01

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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.

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| Tasks / Equipment | Performed by: | | Controls |
|--|----------------|-------|--|
| | Beamline Staff | Users | |
| Solvents | Y | Y | <ul style="list-style-type: none"> • Limit quantities at beamline to < 250 ml • Use PPE - safety glasses, nitrile gloves |
| Pouring cryogenics \leq 5L | Y | Y | <ul style="list-style-type: none"> • Use goggles • Long pants and sleeves - avoid clothing which can trap cryogenics (pockets, cuffs) • Cryogen or heavy gloves • Enclosed shoes • Never pour from above chest level |
| Using the LN2 Fill Station or pressurized transfer | Y | N | <ul style="list-style-type: none"> • LS-PROC-LN2FILL-0709 training for Auto station • Use full face shield along with goggles or safety glasses • Long pants and sleeves - avoid clothing which can trap cryogenics (pockets, cuffs) • Cryogen or heavy gloves • Enclosed shoes |
| Manipulating cryogenic samples | Y | Y | <ul style="list-style-type: none"> • Use goggles • Long pants • Impervious disposable gloves over cotton liners • Enclosed shoes • Use tongs or tools whenever possible |
| Cryogenic autofill system | Y | Y | <ul style="list-style-type: none"> • Ensure hutch ventilation system is operating |