

X-RAY SCIENCE DIVISION

432/E030

Facility Hazard Analysis

The purpose of this form is to serve as a summary of facility characteristics, recognized hazards, implemented hazard controls, pertinent sources of information, and incident reporting contacts.

Scope of work conducted in this facility: sample preparations for current experiments at the beamline; equipment setup; Kapton window testing

Hazardous materials/equipment associated with this facility:

Acids	Organic solvents	Compressed gasses
Cryogenic liquids	Hot plates	Vacuum Ovens
Beryllium (Windows)	Nanomaterial	

Hazards associated with this facility:

Electrical	Chemical	Cryogenic
Open flames	Nanomaterial	

Hazard controls implemented within this facility:

Engineered Controls

Flammable storage cabinet
Chemical fume hood
Shower & eye wash station
GFCI outlets

Procedural Controls

Acid Storage area
Open flame permit
Sharps/Glass Disposal Bins

PPE

Safety glasses
Gloves
Lab Coats

Relevant ANL Procedures that may be associated with this facility:

- 1) Ch. 4.10 Cryogenic Liquid Safety
- 2) Ch. 4.3 Laboratory and Chemical Safety
- 3) Ch. 9.1 Electrical Safety
- 4) LMS-PROC-83, Safe Handling of Engineered Nanomaterial

Pertinent safety training courses that may be associated with this facility:

- 1) APS208: 8ID sector specific orientation
- 2) Standard APS training courses for users
- 3) ESH590: Nanomaterial Safety

Note: This is not intended to be an all-inclusive list of training that is required to work within this facility. The authoritative record of required training is depicted by the individual's JHQ.

Incident reporting contacts:

****Dial 911 in an emergency****

Lab Safety Captain:	Ray Ziegler:	Extension: 2-5527
TRR Group Leader:	Alec Sandy	Extension: 2-0281
ES&H Coordinator:	Paul Rossi	Extension: 2-4192

Facility hazard analysis completed by: _____
Lab Safety Captain or designee Date

Reviewed and approved by: _____
ES&H Coordinator Date

_____ Date
Line Management

This hazard analysis must be reviewed and updated accordingly on an annual basis or whenever conditions change. Once approved, this hazard analysis must then be posted in a conspicuous space within the facility.