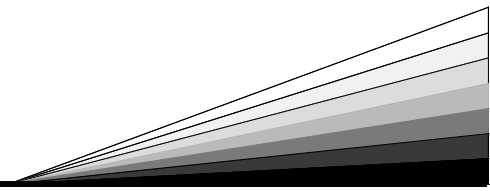


# X-RAY SCIENCE DIVISION

## 432/B030 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:** Beamline sample preparation, equipment set-up, repair, and testing.

**Hazardous materials/equipment associated with this facility:**

High voltage supplies	Cryogenic liquids	Portable power tools
Compressed gases	Acids and bases	Organic solvents and lubricants
Carcinogens		

**Hazards associated with this facility:**

Electrical	Chemical	Cryogenic
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**Hazard controls implemented within this facility:**

**Engineered Controls**

Chemical fume hood  
GFCI outlets  
Safety shower  
Eyewash station

**Procedural Controls**

SWAA  
Flammable storage cabinets  
Chemical storage cabinets  
SOPs—Carcinogen work

**PPE**

Safety glasses/goggles  
Gloves  
Lab coats  
Resin coated aprons

**Relevant ESH manual chapters that may be associated with this facility:**

- 1) Ch. 4.3 Laboratory and Chemical Safety
- 2) Ch. 4.5 Chemical Carcinogens
- 3) Ch. 7.12 Safe Use of Tools
- 4) Ch. 9.1 Electrical Safety
- 5) Ch. 12.1 Personal Protective Equipment
- 6) Ch. 13.1 & 13.2 Pressure Safety

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

- 1) ESH115 Laboratory Hazard Communication Training
- 2) ESH141 Portable Hand & Power Tool Safety
- 3) ESH371 Electrical Safety Training – General
- 4) DIV816 Hazard Specific Training - Compressed Gas
- 5) ESH119 Pressure Safety Orientation

*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:	Doug Robinson	Extension: 2-0247
Group Leader:	Daniel Haskel	Extension: 2-7758
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  
\_\_\_\_\_  
Line Management Date

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