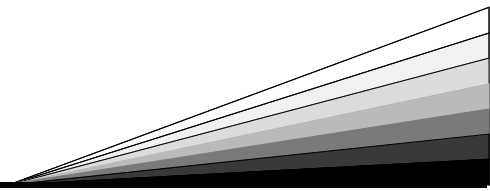


# X-RAY SCIENCE DIVISION

## 401/L1104 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 preparation for diamond anvil cell experiments

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

Oven	Carcinogenic metals	Organic Solvents
Toxic metals	Acids	Cryogenics

**Hazards associated with this facility:**

Thermal Surfaces	Corrosive Materials	Flammable Liquids
High pressure gas		Flammable gasses
Class 3b laser (in Class 1 Enclosure)		

**Hazard controls implemented within this facility:**

**Engineered Controls**

Fume Hood  
Shower/Eyewash  
GFCI Outlets  
Oxygen Monitor  
Laser Enclosure

**Procedural Controls**

**PPE**

Safety Glasses/Goggles  
Chemical Resistant Glove/Apron/Sleeve  
Face Shield  
Cryogenic gloves  
  
Temperature Resistant Gloves

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

- 1) Ch. 4.1 – Hazard Communication
- 2) Ch. 4.3 – Laboratory and Chemical Safety

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

- 1) ESH 115 – Laboratory Hazard Communication
- 2) ESH 195 – Personnel Protective Equipment
- 3) ESH 574 – Chemical Waste Generator
- 4) ESH 121 – Low power laser safety training

*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:	Maria Baldini	2-0494
Group Leader:	Wenge Yang	2-0487
ES&H Coordinator:	Paul Rossi	2-4192

Facility hazard analysis completed by: \_\_\_\_\_ Date \_\_\_\_\_

Lab Safety Captain or designee

Reviewed and approved by: \_\_\_\_\_ Date \_\_\_\_\_

ES&H Coordinator

\_\_\_\_\_ 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.*