

X-RAY SCIENCE DIVISION

433/A020 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, Equipment Testing

Hazardous materials/equipment associated with this facility:

Acids	Compressed Gases	Liquid Nitrogen
Bases	Flammable Gases	Nanomaterials
Organic Solvents	High Temperature Furnace	

Hazards associated with this facility:

Chemical exposure	Exposure to hot surfaces
Flammable gases	Exposure to Nanomaterials

Hazard controls implemented within this facility:

Engineered Controls	Procedural Controls	PPE
Chemical fume hood	Satellite accumulation area	Chemical-resistant gloves
Eyewash station/safety shower	Standard Operating Procedures	Heat / Cold resistant gloves
Gas Manifold Control System		Safety glasses/goggles/Face Shield
GFCI outlets		

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

- 1) **Ch. 4.3 – Laboratory and Chemical Safety**
- 2) **Ch. 7.12 – Safe Use of Tools**

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) **ESH195: Personal Protective Equipment**
- 4) **ESH590: Engineered Nanomaterials Orientation**
- 5) **APS209: Sector Specific 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:	Tianpin Wu	Extension: 2-1482
Line Manager:	Steve Heald	Extension: 2-9795
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 whenever conditions change. Once approved, this hazard analysis must then be posted in a conspicuous space within the facility.