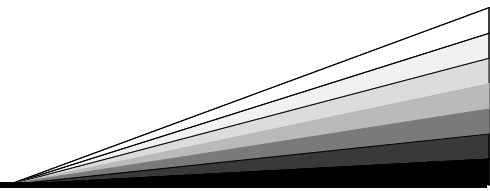


X-RAY SCIENCE DIVISION

401/L0104 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: Etching, cleaning, and polishing of Germanium/Silicon Crystals, Photo Development

Hazardous materials/equipment associated with this facility:

Corrosive Materials	Abrasives	Flammable Liquids
Compressed Gases	Organic Solvents	

Hazards associated with this facility:

Chemical Exposure	Rotating Machinery	Chemical Waste
Pressurized gases	Furnace	

Hazard controls implemented within this facility:

Engineered Controls	Procedural Controls	PPE
Chemical Fume Hood	Etching Procedure	Safety Glasses/goggles
Furnace ventilation		Chemical-resistant gloves
		Rubber Apron

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
- 3) Ch. 7.15 – General Requirements for All Machines
- 4) Ch. 12.1 – Personal Protective Equipment

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

- 1) ESH 115:Laboratory Hazard Communication Training
- 2) ESH 574: Chemical Waste Generator
- 3) ESH 195: Personal Protective Equipment
- 4) DIV 832: Hazard Specific Training - Agents Which Damage Skin/Mucous Membrane/ Eye
- 5) DIV 824: Hazard Specific Training - Corrosives, Irritants, & Sensitizing Chemicals

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:	XianRong Huang	2-3593
Group Leader:	Lahsen Assoufid	2-2774
ES&H Coordinator:	Paul Rossi	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 whenever conditions change. Once approved, this hazard analysis must then be posted in a conspicuous space within the facility.