

X-RAY SCIENCE DIVISION

431/D030

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: Vacuum parts cleaning and etching of sapphire crystals

Hazardous materials/equipment associated with this facility:

Glove Box	Laser	Oven
Organic Solvents	Acids	

Hazards associated with this facility:

Corrosive Materials	Thermal Surfaces	Flammable Liquids
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Hazard controls implemented within this facility :

Engineered Controls

Fume Hood
Glove Box
Eyewash and Safety Shower
GFCI Outlets

Procedural Controls

Sapphire Crystal Etching
Laser
Satellite Waste Accumulation

PPE

Safety Glasses/goggles
Chemical Resistant Glove/Apron/Sleeve
Face shield
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
- 3) Ch. 6.2 Laser Safety

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

- 1) ESH115 Laboratory Hazard Communication
- 2) ESH195 Personnel Protective Equipment
- 3) ESH574 Chemical Waste Generator

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:	Jiyong Zhao	Extension: 9195
Group Leader:	Thomas Gog	Extension: 0320
ES&H Coordinator:	Paul Rossi	Extension: 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.