

X-RAY SCIENCE DIVISION

431/A030 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: Conduct assembly and troubleshooting activities related to optics instrumentation and components in support of beam-line experiments. This laboratory is designated as a non-Chemistry laboratory. Any work involving hazardous chemicals requires explicit approval and appropriate change in lab postings.

Hazardous materials/equipment associated with this facility:

| | | |
|-------------|-------------------|------------------|
| Solder Iron | Power Drill | Heat Gun |
| Dremel | Pneumatic crimper | Organic Solvents |
| Lead Solder | Hot plate | |

Hazards associated with this facility:

| | | |
|--------------------|---------------|---------------|
| Mechanical hazards | Lead exposure | Thermal burns |
|--------------------|---------------|---------------|

Hazard controls implemented within this facility:

| | | |
|----------------------------|----------------------------|----------------|
| Engineered Controls | Procedural Controls | PPE |
| Chemical fume hood | None specified | Safety glasses |

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) **ESH141: Portable Hand & Power Tool Safety**
- 2) **ESH195: Personal Protective Equipment**
- 3) **APS201: 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: | Ali Mashayekhi | Extension: 2-0123 |
| Group Leader: | Jonathan Almer | Extension: 2-1049 |
| 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 whenever conditions change. Once approved, this hazard analysis must then be posted in a conspicuous space within the facility.