

# X-RAY SCIENCE DIVISION

## 401/L0120 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:** X-ray diffractometry

**Hazardous materials/equipment associated with this facility:**  
Analytical X-Ray Generator

**Hazards associated with this facility:**  
X-Ray Exposure

**Hazard controls implemented within this facility:**

**Engineered Controls**  
Interlocked X-Ray Enclosure  
Backscatter monitor

**Procedural Controls**  
Rotating Anode procedure

**PPE**

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

- 1) Control of Radiation-Generating Devices – LMS-PROC-109

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

- 1) ESH 705: Analytical X-Ray Device Safety
- 2) ESH 713: Radiological Worker for X-Ray Users

*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.*