X-RAY SCIENCE DIVISION

401/L3104 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: Benchtop measurements of liquid spray and cavitation systems, including optical imaging. Maintenance and development of spray and cavitation equipment in support of beamline operations.

Hazardous materials/equipment associated with this facility:

Flammable Liquids Corrosives

Hazards associated with this facility:

Chemical Exposure Sharp Objects Chemical Waste

Hazard controls implemented within this facility:

Engineered Controls Procedural Controls PPE

Chemical Fume Hood Satellite Waste Accumulation area Safety Glasses/goggles
Flammable liquid storage cabinet
Eyewash station/safety shower
GFCI Outlets
Satellite Waste Accumulation area
Chemical-resistant gloves
Chemical – resistant 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. 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

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: Alan Kastengren 2-3116 Group Leader: Alec Sandy 2-0281 **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.