X-RAY SCIENCE DIVISION

433/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: sample preparations for current experiments at the beam line; equipment setup

Hazardous materials/equipment associated with this facility:

Compressed Gas	Organic Solvents	Mechanical Oven 40c – 300c
Glove Box with Evacuation Chamber	Pneumatic Press	Cryogenics
Vacuum Equipment	Acids	

Hazards associated with this facility:

Electrical	Chemical	Cryogenic
High Temperature	Pressure	

Hazard controls implemented within this facility :

Engineered Controls	**Procedural Controls**	**PPE**
Chemical fume hood	SWAA	Safety Glasses/goggles
GFCI outlets	Flammable Storage Cabinet	Face Shields
Safety Shower	Corrosives Storage Cabinet	Lab Coats
	Broken Glass Disposal	Smock
	Sharps Disposal	Gloves

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
3) Ch. 9.1 Electrical Safety

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

1) ESH115 Laboratory Hazard Communication Training
2) ESH141 Portable Hand & Power Tool Safety
3) ESH371 Electrical Safety Training – General
4) DIV816 Hazard Specific Training - Compressed Gas
5) ESH119 Pressure Safety 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:	Richard Spence	x 2-2797
Group Leader:	Peter Chupas	x 2-8651
ES&H Coordinator:	Paul Rossi	x 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 accordingly whenever conditions change. Once approved, this hazard analysis must then be posted in a conspicuous space within the facility.