X-RAY SCIENCE DIVISION

401/L3128 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: Mossbauer spectroscopy of Mossbauer isotopes.

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Hazardous materials/equipment	associated with this facility:	
Mossbauer spectrometer	Sealed radioactive sources	Lead bricks
Methane/helium compressed gases	s Methane/argon compressed gases	High voltage commercial equipment
Cryogenic Liquids		
Hazards associated with this faci	lity:	
Radiological exposure	Potential lead exposure	Electrical shock hazard
Magnetic fields	Skin burns (cryogenic fluids)	Compressed Gases
Hazard controls implemented wi	thin this facility :	
Engineered Controls	Procedural Controls	PPE
Lead shielding	Leak-testing of radioactive sources	Safety Glasses
Containment of radioactive sources		Gloves
Backscatter radiation monitor	No hot electrical work permitted	TLD
	High magnetic fields are posted	
 Ch. 5.20 – Accountabil Ch. 6.3 – Electric and I Ch. 9.1 – Electrical Sat Ch. 13.2 – Compressed Pertinent safety training courses ESH371: Electrical Sat ESH700: Radiation Wo ESH738: General Emp 	Tety I Gas Cylinders that may be associated with this facility: Training - General	irad to work within this facility. The
	aining is depicted by the individual's JHQ.	irea io work wiinin inis jaciiiiy. The
Incident reporting contacts :		
	****Dial 911 in an emergency****	
Lab Safety Captain:	E. Ercan Alp	Extension: 2-4775
Group Leader:	Thomas Gog	Extension: 2-0320
ES&H Coordinator:	Paul Rossi	Extension: 2-4192
Facility hazard analysis completed	by:	
5 5 1	Lab Safety Captain or designe	ee 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 should be posted in a conspicuous space within the facility.