X-RAY SCIENCE DIVISION

400/Optics Clean Room (OCR) 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.

pertinent sources of information, and incident reporting contacts.

Scope of work conducted in this facility: Optics Cleaning, Anodic Bonding, and Thin Film Deposition

Hazardous materials/equipment associated with this facility:

Organic Solvents Etchants

Hazards associated with this facility:

High Voltage Magnetic Fields (<500G)

Hazard controls implemented within this facility:

Engineered Controls Procedural Controls PPE

Clean Room Anodic Bonding #4103-00011 Triple Polymer Gloves

Safety Glasses

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. 9.1 General Electrical Safety
- 4) Ch. 7.1 Control of Hazardous Energy and Lockout/Tagout

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

- 1) ESH 196: Lab Hazard Communication
- 2) ESH 574: Chemical Waste Generator
- 3) ESH 371: General Electrical Safety Training
- 4) ESH 114: Lock-out/Tag-out Training
- 5) ESH 375: NFPA 70E Training (8hr)
- 6) DIV804: Hazard Specific Training Flammable and Combustibles

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: Ray Conley 2-1611 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.