

## **LABORATORY SECURITY**

Laboratory security is everyone's responsibility. The basic requirements are:

1. Control Access - Restrict labs to authorized personnel only
2. Maintain Inventory - Know where and how much hazardous materials are in the lab
3. Reporting - Unaccounted loss and annual inventory
4. Training- all lab staff need to know the security procedures and why they are important.

Security has become an important component of laboratory operations. A good laboratory security system can lessen a number of risks, such as:

- theft or diversion of critical or high-value equipment;
- theft or diversion of dual-use chemicals or materials that may be used for illegal activities;
- accidental or intentional release of or exposure to hazardous materials;
- sabotage of chemicals or high-value equipment;
- release of sensitive information;
- rogue work or unauthorized laboratory experimentation; and
- threats from activist groups.

The type and extent of the security system depend on several factors, including:

- the types of perceived threats and quantities of materials and equipment;
- the knowledge of groups or individuals posing a threat;
- the history of theft, sabotage, and violence directed at or near the laboratory;
- regulatory requirements or guidance;
- the presence of an attractive nuisance; or
- concerns regarding dual use or information security.

All laboratories at Stony Brook University must follow the Security Level 1 guide. Labs with highly hazardous materials must meet the Security Level 2 guide.

### **Normal or Security Level 1**

A laboratory or area characterized as Security Level 1 poses low risk for extraordinary chemical, biological, or radioactive hazards. Loss to theft, malicious pranks, or sabotage would have minimal impact to operations.

#### **Security Features for Security Level 1**

- Lock doors when not occupied

- Make sure all laboratory personnel receive security awareness training
- Control access to keys and use judgment in providing keys to visitors

### **Elevated or Security Level 2**

A laboratory or area characterized as Security Level 2 poses moderate risk for potential chemical, biological, or radioactive hazards. The laboratory may contain equipment or material that is attractive for theft, could threaten the public, or might be misused. Loss to theft, malicious pranks, or sabotage would have moderately serious impact on the research programs and the reputation of the institution.

### **Security Features for Security Level 2**

#### **Physical**

- Lockable doors, windows, and other passageways
- Door locks with high-security cores
- Hardened doors, frames, and locks
- Perimeter walls extending from the floor to the ceiling to prevent access from one area to the other over a drop ceiling

#### **Operational**

- Secure doors, windows, and passageways when not occupied
- Make sure all laboratory personnel receive security awareness training
- Visitors and contractors cannot enter laboratory unless laboratory personnel are present

#### **Electronic**

- Access control system recommended
- Intrusion alarm recommended where sabotage, theft, or diversion is a concern