

LAB SAFETY AWARENESS WEEK

Engineering Controls

Identifying, getting familiar via training, & keeping and maintaining engineering control equipment is critical in protecting and saving lives and health, especially in emergency situations.

- Examples include fume hoods, biological safety cabinets (BSC), glove boxes, secondary containment for tanks and containers, neutralization systems for wastewater discharges, air cleaning systems, and others.
- When the hazard assessment process indicates a potential impact, an evaluation to implement engineering controls to prevent or reduce workplace exposures or minimize compliance issues is conducted.
- Chemical fume hoods and BSCs are the most commonly used engineering controls at LSUHSC. Knowing the [difference between laboratory hoods](#) is critical for conducting research safely.
- Having a regular training and maintenance program of engineering control equipment is imperative. Before using a [fume hood](#) or [BSC](#), ensure the operator is familiar with the standard operating procedures for each device.
- If your fume hood or other equipment monitor alarm sounds or you feel that the exhaust ventilation is not working correctly, cease work and take immediate action by submitting an [online work request](#). Do **NOT** mute and continue working!