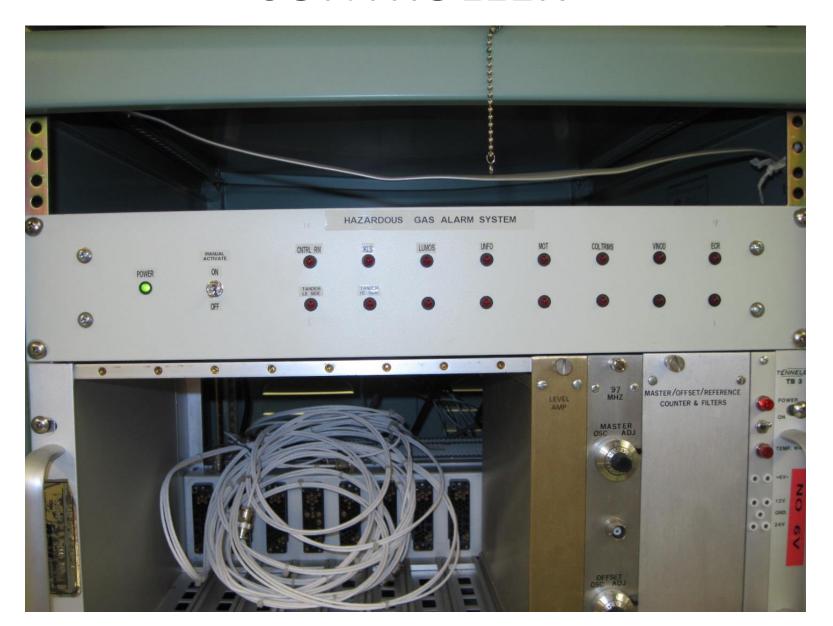
Hazardous Gas Alarm System

- Monitors Nitric Oxide (NO) and Carbon Monoxide (CO) gases and Sulfur Dioxide (SO₂).
- Alarm boxes in every area of the lab.
- Controller is in the control room console.
- The controller has a manual activate switch on the front panel.
- If you hear this alarm, evacuate the lab and call 911.



CONTROLLER



ALARMS





LAB CHILLERS

- Located in the equipment room.
- Cool turbo pumps and other expensive equipment in the lab.
- Two chillers. One as backup.
- If you hear this alarm during the day, come and get me or one of the technical staff.
- If you hear this alarm after 5pm, follow the steps on the chiller to restart it.







EXHAUST MANIFOLD FAILURE

- Exhausts gases from roughing pumps to the outside air.
- There are four monitors in the lab; control room, ECR area, HITS pump closet, and the equipment room.
- The green arrow indicates normal vacuum levels.
- The red arrow indicates the trip point.
- If you hear this alarm, contact one of the technical staff members.

MONITOR AND ALARM





OXYGEN DEPLETION MONITOR

- Monitors the percent of oxygen in the lab.
- The controller and alarm is located in the control room.
- There are seven sensors located throughout the lab, mostly around the accelerator.
- If you hear this alarm, evacuate the lab immediately.



