



### General

- EH&S has established a program to **annually inspect** all laboratory fume hoods on campus as a service to fume hood users.
- Face velocity measurements are taken at each hood and the hood is then marked with a label which categorizes the hood use
- The inspection provides information about
  - the condition of each hood
  - what operations can be safely performed in it
  - chemical waste, use, and labeling practices in and around the hood
  - hood use practices
  - chemical compatibility
  - other safety inspection items

### Hood Use Categories

- **Approved Laboratory Fume Hood:**
  - The hood is operating satisfactorily for the use of hazardous chemicals or radioactive material if the sash is positioned at or below the height indicated on the label.
  - Hood face velocity is at least 100 fpm with a sash height of at least 15 inches, which is considered the minimum sash height for convenient work in the hood
  - Face velocity should not be more than 160 fpm, as exhaust rates above this level cause turbulence and reduce capture efficiency of the hood.
- **Low Flow:**
  - The hood is not operating adequately to properly remove hazardous vapors - it does not have a face velocity of 100 fpm at a sash height of 15 inches
  - Work area equivalent to a lab bench surface
  - No work which generates hazardous vapor or gas will be performed
  - Because a low-flow hood is exhausting conditioned building air, it must either be repaired to function as a chemical hood or it will be disabled by Facilities Services
- **Out of Service:** The hood has been disabled and posted

### Reports

- EH&S distributes the results of inspections to each Department on request
- Departments should contact Facilities Services to request repair or upgrade of a fume hood that is not operating satisfactorily

**Contact EHS:**  
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