

## LABORATORY VENTILATION

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Compliance: Chemical and biological laboratories where hazardous materials are handled or stored shall comply with all of the requirements of the American National Standard for Laboratory Ventilation (ANSI/AIAH Standard #Z9.5), a publication of the American Industrial Hygiene Association.

Air Change Rate:

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system becomes interruptible service. Note: Although rarely provided, N+1 supply air units should be considered as well.

**Manifolded vs. Dedicated Systems:** Chemical fumes from dissimilar service hoods may be exhausted through a common manifolded exhaust system as long as adequate dilution is achieved prior to the mixing of potentially reactive substances. Vapors from hoods in which highly concentrated volatile acids or highly radioactive isotopes are used at elevated temperatures shall not be exhausted through a common manifolded exhaust system that also serves other dissimilar service hoods without first obtaining approval from NU Environmental Health and Safety (EHS). Fume hoods in which perchloric acid, highly toxic vapors, or pyrophoric gases (i.e., gases that spontaneously ignite in air) are used shall always be served by a dedicated exhaust system with special features