

Building Air Quality



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Building air and water quality can play an important role in the health of its occupants. While airborne contaminants are always present to some extent, there are strategies to reduce the viability and spread of viruses, spores and bacteria.

▶ ASHRAE Guidelines Implementation

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) is the industry leader in HVAC research, standards writing, and continuing education. ASHRAE's Epidemic Task Force has developed guides focused on several specific types of buildings, including commercial, healthcare, schools and universities, residential, and multifamily. The guides include information on topics such as:

- » Building Readiness
- » Equipment/System Specific Checks and Verifications
- » New/Modified Facility Design Recommendations
- » Filtration Upgrades
- » Operations of Occupied Facilities
- » Controlling Infection Outbreak in School Facilities

Scheeser Buckley Mayfield's engineers know how to interpret these standards to retrofit HVAC systems, prioritizing ventilation, filtration, and maintenance.

▶ How SBM Can Assist

Every building and HVAC system should be evaluated individually, but best practices include:

- » Proper pressure relationships between spaces.
- » Laminar airflow patterns.
- » High efficiency filtration.
- » Increased outside air ventilation rates.
- » Air cleaning methods and proper placement.
- » Rebalancing and modifications of air distribution system sequences.

▶ Next Steps

Contact us for a free initial consultation to see if SBM can help. We will be happy to talk about your needs to determine what steps might be advisable, and whether design or contractor assistance is required. Together, we can form a partnership to provide a safer environment.