

Mold & Indoor Air Quality

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Microbiological Contaminants

- Bacteria
- Yeasts
- Molds
- Other

General IAQ Problems

- Temperature & Humidity
- Fresh Air Ventilation
- Outdoor Source-Contamination
- Indoor Source-Contamination
- Poor Moisture Control
- Poor Maintenance Practices

Temperature & Humidity

- Mold can grow over a wide range of temperatures
- Most molds prefer moist environments
- Humidity >70%
- Water Condensation

Ventilation

- Poor ventilation can encourage mold growth
- The HVAC system can be the source of the problem

Outdoor Source Problems

- Dusts
- Pollens
- Molds
- Combustion Exhaust
- Other

Indoor Source Problems

- People-body odor to perfumes
- VOCs
- ETS
- Microbiological
- Pesticides
- Lead, Asbestos, Radon
- Other

Poor Moisture Control

- Water is Relentless
- Leaking Roof
- Plumbing Leaks
- Poor Landscaping
- Humidity Control
- Poor Design
- Acts of God

Poor Maintenance

- Improper Schedule
- Cleaners
- Stale Mop Water
- Deodorizers
- Misc.

Mold Food

- Paper-like Products
 - Gypsum Wallboard
 - Gypsum Sheathing
 - Particle Board
 - Oriented Strand Board (OSB)
 - Ceiling Tiles
- Other Mold Food
 - Wall Paper Paste
 - Misc. Organic Materials

Enablers

- Carpeting
- Upholstery
- Fabrics
- Vinyl Wall Covering
- Porous Duct Insulation

Are People Today Just Crazy?

- Yes & No
- Tighter Buildings
- New (pronounced "Bad") Materials
- More Indoor Sources
- Psychosocial Factors
 - The Water Cooler
 - The Internet
 - Your Company Intranet

Health Effects

- Irritants
- Allergens
- Toxins
- Pathogens

Molds May Produce

- Mold Spores
- Microbial VOCs (MVOCs)
- Toxins