

JOB SAFETY ANALYSIS



FINANCE AND OPERATIONS
Environment, Health and Safety

Safety Information for the University of North Carolina at Chapel Hill

FACILITIES SERVICES

MAINTENANCE

CLEANING SURFACE MOLD GROWTH ON HARD SURFACES

Level III: Large Isolated Areas (30 - 100 sq. ft.) – e.g., several wallboard panels

TASK	HAZARDS	CONTROLS
1. Inspect for all visible mold and outline scope of work for removal.	Improper scope of work	<ul style="list-style-type: none">• Contact EHS for direction or inspection assistance.
2. The work area and areas directly adjacent should be unoccupied. Conduct after hours, if possible. Removing people from spaces near the work area is recommended for infants (less than 12 months old), persons recovering from recent surgery, immune-suppressed people, or people with chronic inflammatory lung diseases (e.g., asthma, hypersensitivity pneumonitis, and severe allergies).	Can cause health related concerns for Infants (less than 12 months old), persons recovering from recent surgery, immune-suppressed people, or people with chronic inflammatory lung diseases (e.g., asthma, hypersensitivity pneumonitis, and severe allergies).	<ul style="list-style-type: none">• Open line of communication with occupants and building contacts.
3. Gather PPE and cleaning materials	Personal exposure and incomplete cleaning	<ul style="list-style-type: none">• Proper PPE (see below) and cleaning materials

	<p>4. Surfaces in the work area and directly adjacent that could become contaminated should be covered with a secured plastic sheet(s) before remediation to contain dust/debris and prevent further contamination.</p> <p>Dust suppression methods, such as misting (not soaking) surfaces prior to remediation, are recommended.</p> <p>Seal ventilation ducts/grills in the work area and areas directly adjacent with plastic sheeting.</p> <p>a) Operate HEPA Air scrubber in the contaminated area b) HEPA Vac all surfaces c) Clean all visible mold with plain water or with water and detergent solution. d) Remove or discard all contaminated porous surfaces e) Repeat HEPA vac of all surfaces</p>	<p>Spreading of spores outside work area</p>	<ul style="list-style-type: none"> • Use of negative air HEPA filtration and containment barriers will be required. Contact EHS for assistance.
	<p>5. Don PPE</p>	<p>Personal exposure</p>	<ul style="list-style-type: none"> • Proper Donning of PPE
	<p>6. Clean all visible mold with plain water or with water and detergent solution.</p>	<p>Areas of mold not thoroughly cleaned can regrow</p>	<ul style="list-style-type: none"> • Replace wiping cloths frequently to prevent re-contamination • Inspect area to ensure that all visible mold has been removed
	<p>7. Place all used cleaning materials in trash bags, tie bags and dispose of in regular trash</p>	<p>Improper handling can cause spreading of spores</p>	<ul style="list-style-type: none"> • Ask supervisor for assistance if unsure
	<p>8. Inspect area for possible leaks or water intrusion.</p>	<p>If water intrusion continues mold growth will re-occur</p>	<ul style="list-style-type: none"> • Report findings to supervisor and EHS
	<p>Required Training:</p> <ol style="list-style-type: none"> 1. Mold Remediation 2. PPE 3. Ladder Safety 4. Respiratory Protection 	<p>Required Personal Protective Equipment (PPE)</p> <ol style="list-style-type: none"> 1. Protective gloves 2. Eye protection 3. Tyvek suit if needed (EHS will advise) 4. N-95 Respirator 	

Other Information:

This JSA applies to: 1) Surfaces such as metal, plastic, vinyl, glass, and solid building materials and 2) Only surface cleaning and not aggressive remediation methods that create airborne mold spores such as removal/demolition of building materials. For areas 130 – 100 sq. ft. 3
Reference: A Brief Guide to Mold in the Workplace, OSHA, Updated 11-08-13

Contributors:

Created:

June 2019

JSA Library Number:

For more information about this JSA, contact the
UNC-CH Department of Environment, Health and Safety
1120 Estes Dr.
Chapel Hill NC 27599
919-962-5507- <https://ehs.unc.edu>