

## Infection Prevention and Control Procedures During Construction or Renovation

<b>Level 1</b>	<ul style="list-style-type: none"> <li>• Execute work by methods to minimize raising dust from construction operations.</li> <li>• Immediately replace any ceiling tile displaced for visual inspection.</li> </ul>
<b>Level 2</b>	<ul style="list-style-type: none"> <li>• Water-mist work surfaces to control dust while cutting.</li> <li>• Seal unused doors with duct tape.</li> <li>• Block off and seal air vents.</li> <li>• Wipe surfaces with disinfectant.</li> <li>• Contain construction waste before transport in tightly covered containers.</li> <li>• Wet mop and/or vacuum with HEPA-filtered vacuum before leaving work area.</li> <li>• Place dust mat at entrance and exit of work area.</li> </ul>
<b>Level 3</b>	<ul style="list-style-type: none"> <li>• Isolate HVAC system in area where work is being done to prevent contamination of the duct system.</li> <li>• Complete all critical barriers or implement control cube method before construction begins.</li> <li>• Maintain negative air pressure within worksite using HEPA-filtered air filtration units.</li> <li>• Do not remove barriers from work area until complete project is thoroughly cleaned by Environmental Management Service (EMS).</li> <li>• Vacuum work area with HEPA-filtered vacuum.</li> <li>• Wet mop with disinfectant.</li> <li>• Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction.</li> <li>• Contain construction waste before transport in tightly covered containers.</li> <li>• Cover transport receptacles or carts. Tape covering.</li> <li>• Remove or isolate HVAC system in areas where work is being performed.</li> </ul>
<b>Level 4</b>	<ul style="list-style-type: none"> <li>• Isolate HVAC system in area where work is being done to prevent contamination of the duct system.</li> <li>• Complete all critical barriers or implement control cube method before construction begins.</li> <li>• Maintain negative air pressure within worksite using HEPA-filtered air filtration units.</li> <li>• Seal holes, pipes, conduits, and punctures appropriately.</li> <li>• Construct anteroom and require all personnel to pass through this room so they can be vacuumed using a HEPA vacuum cleaner before leaving worksite or they can wear cloth or paper coveralls that are removed each time they leave the worksite.</li> <li>• All personnel entering worksite are required to wear shoe covers.</li> <li>• Do not remove barriers from work area until complete project is thoroughly cleaned by EMS.</li> <li>• Vacuum work area with HEPA-filtered vacuum.</li> <li>• Wet mop with disinfectant.</li> <li>• Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction.</li> <li>• Contain construction waste before transport in tightly covered containers.</li> <li>• Cover transport receptacles or carts. Tape covering.</li> <li>• Remove or isolate HVAC system in areas where work is being performed</li> </ul>

## Infection Control Construction Checklist

Location of Construction:				Project Number:			
Project COTR:				Project Start Date:			
Contractor Performing Work:				Estimated Duration:			
Supervisor:				Telephone:			
YES	NO	CONSTRUCTION ACTIVITY	YES	NO	INFECTION CONTROL RISK GROUP		
		TYPE A: Inspection non-invasive activity			GROUP 1: Low Risk		
		TYPE B: Small scale, short duration, moderate to high levels of dust			GROUP 2: Medium Risk		
		TYPE C: Activity generates moderate to high levels of dust, requires > 1 work shift for completion			GROUP 3: Medium-high Risk		
		TYPE D: Major duration and construction activities requiring consecutive work shifts.			GROUP 4: High Risk		
LEVEL 1		1. Execute work by methods to minimize raising dust from construction operations. 2. Immediately replace any ceiling tile displaced for visual inspection.			3. Minor demolition for remodeling.		
LEVEL 2		1. Provide active means to prevent airborne dust from dispersing into atmosphere. 2. Water mist work surfaces to control dust while cutting. 3. Seal unused doors with duct tape. 4. Remove or isolate HVAC system in areas where work is being performed. 5. Block off and seal air vents.			6. Contain construction waste before transport in tightly covered containers. 7. Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. 8. Place dust mat at entrance and exit of work area. 9. Wipe surfaces with disinfectant.		
LEVEL 3		1. Isolate HVAC system in area where work is being done to prevent contamination of the duct system. 2. Complete all critical barriers or implement control cube method before construction begins. 3. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 4. Do not remove barriers from work area until complete project is thoroughly cleaned by EMS. 5. Vacuum work with HEPA filtered vacuums.			6. Remove or isolate HVAC system in areas where work is being performed. 7. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 8. Contain construction waste before transport in tightly covered containers. 9. Cover transport receptacles or carts. Tape covering. 10. Wet Mop with disinfectant.		
LEVEL 4		1. Isolate HVAC system in area where work is being done to prevent contamination of the duct system. 2. Complete all critical barriers or implement control cube method before construction begins. 3. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 4. Seal holes, pipes, conduits and punctures appropriately. 5. Construct anteroom and require all personnel to pass through this room so they can be vacuumed using a HEPA vacuum cleaner before leaving work site or they can wear cloth or paper coveralls that are removed each time they leave the work site. 6. Remove or isolate HVAC system in areas where work is being performed.			7. All personnel entering work site are required to wear shoe covers. 8. Do not remove barriers from work area until completed project is thoroughly cleaned by EMS. 9. Vacuum work area with HEPA filtered vacuums. 10. Wet mop with disinfectant. 11. Remove barrier material carefully to minimize spreading of dirt and debris associated with construction. 12. Contain construction waste before transport in tightly covered containers. 13. Cover transport receptacles or carts. Tape covering.		
Additional requirements:							
Completed by: Engineering Project Staff				Reviewed by: Infection Control staff			
Date:				Date:			

Attachment A.

Attachment B

Attachment C

Matrix to determine Infection Prevention and Control Procedures During Construction or Renovation

		LEVEL OF PREVENTION AND CONTROL BY INFECTION RISK			
		Highest	Medium-High	Medium	Lowest
		Surgery, In-patient Operating Rooms Intensive Care Units Anesthesia and pump areas Endoscopy Rooms Pharmacy Admixture Room Radiation Therapy	Emergency Room Radiology/MRI Post-Anesthesia Recovery Unit Out-patient Surgery Nuclear Medicine Admission/discharge areas Echocardiography Dialysis Phlebotomy areas SPD Cardiopulmonary Clinic Oncology unit	All other Patient Care Units	Office areas Non-Patient Care Buildings Laboratory
<b>Construction Type</b>					
<b>Type A</b>	Inspection and non-invasive activities. Includes removal of ceiling tiles for visual inspection (limited to 1 tile per 50 sq. ft.), painting (but not sanding), wall covering, electrical trim work, minor plumbing activities that do not generate dust or require cutting of walls or access to ceilings other than for visual inspection	3	1	1	1
<b>Type B</b>	Small-scale, short duration activities that create minimal dust. Includes installation of telephone and computer cables, access to chase spaces, cutting of walls or ceiling where dust migration can be controlled.	4	3	2	2
<b>Type C</b>	Any work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies. Includes sanding walls for painting or wall coverings, removing floor coverings, ceiling tiles and casework; new wall construction, minor ductwork or electrical work above ceilings; major cabling activities and any activity that cannot be completed with a single work shift.	4	4	4	2
<b>Type D</b>	Major demolition and construction projects. Includes activities that require consecutive work shifts, heavy demolition or removal of a complete ceiling system and new construction.	4	4	4	3