

HOSPITAL EPIDEMIOLOGY AND INFECTION CONTROL:

GUIDELINES FOR CONSTRUCTION/RENOVATION/DEMOLITION PROJECTS AND ENVIRONMENTAL CONTROL OF ASPERGILLOSIS AND OTHER NOSOCOMIAL INFECTIONS

POLICY 5.1A Issued: 12/06 Last Approval: 6/16

Appendix A

Infection Control Risk Assessment and Infection Control Mitigation Plan including Preventive Measures Checklist for Medical Center Construction and Renovation

Instructions for Completing the Checklist

The Risk Assessment and Plan including the Preventive Measures Checklist will be completed during the design planning phase of the construction/renovation project by the multidisciplinary planning group. Infection Control personnel must be involved in each phase of the project to ensure that the appropriate prevention measures are initiated and maintained.

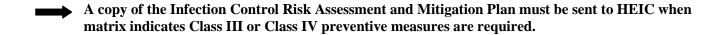
Table A describes the type of construction activity. The type of "Construction Activity" is first identified by selecting the level of activity that best describes the project being planned.

Table B identifies the "Population and Geographic Risk Group" that may be affected by the project because of its physical proximity or potential exposure to the activity.

Table C identifies the appropriate class of infection prevention measures by matching the construction activity with the population risk group. As indicated in Table C, the appropriate dust mitigation measures for the project are identified. A copy will be reviewed and approved by HEIC and filed by Design and Construction or Facilities Management for all Class III and IV categories. Adaptations to the prevention measures may be made only after approval has been provided by HEIC.

Construction compartment negative air monitoring

- A. If required for the project, negative air pressure must be monitored at all times during the duration of the project and documented daily by Design and Construction.
- B. If positive or neutral air pressure is identified, work must be suspended, barrier investigation must be completed, and negative air pressure restored before resuming work.
- C. When the option to vent the exhaust of the HEPA filter unit is determined either not to be feasible or necessary, the Project Manager in consultation with HEIC and Facilities Management may conclude that the HEPA unit be used as a "scrubber only".





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PROJECTS AND ENVIRONMENTAL CONTROL OF ASPERGILLOSIS AND OTHER NOSOCOMIAL INFECTIONS

Infection Control Risk Assessment Project # and Location: Project Start Date: Estimated Duration: Project Manager (PM): Infection Control Practitioner (ICP): Contractor(s): PM's phone number: ICP's phone number: Contractor's phone number: Comments: **Table A Type of Construction Activity Inspection and non-invasive activities.** These include, but are not limited to: Type A removal of ceiling tiles for inspection (up to 4 sq. feet) movement of equipment, building structures, etc. for visual inspection painting (but not sanding) putting up wall covering, electrical trim work, minor plumbing, and activities which do not generate dust or require cutting of walls or access to ceilings other than for visual inspection. Small scale, short duration activities that create minimal dust. These include, but are not limited to: Type B installation of telecommunications cabling ☐ access to chase spaces cutting of walls or ceiling where dust migration can be controlled. Work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or Type C assemblies (e.g., counter tops, cupboards, sinks). These include, but are not limited to: sanding of walls for painting or wall covering

LOWEST R	ISK	MEDIUM RISK	HIGH RISK	HIGHEST RISK				
GROUP	1	GROUP 2	GROUP 3	GROUP 4				
Table B Population and Geographic Risks Groups*								
	□ heavy demolition or removal of a complete cabling system is required□ new construction.							
Type D		activities which	require consecutive work shifts					
	Major	demolition, const	ruction and renovation projects. Th	lese include, but are not limited to:				
		any activity whi	ch cannot be completed within a sing	e work shift.				
		major cabling a	ctivities					
		minor duct worl	or electrical work above ceilings					
		new wall constr	uction					
	L	removal of floor	and wall coverings, baseboards, ceili	ng tiles and casework				

Table B Population and Geographic Risks Groups*							
GROUP 1	GROUP 2	GROUP 3	GROUP 4				
LOWEST RISK	MEDIUM RISK	HIGH RISK	HIGHEST RISK				
☐ Office areas	□Lobby	☐ Emergency Department	☐ All Critical Care areas				
☐ Administrative	☐ Cafeteria	☐ Radiology/CT scan	☐ Comprehensive Cancer Center				
areas	☐ Clinical Labs	☐ Labor and Delivery	☐ Peri-operative areas (including PACU, L&D OR)				
☐ Areas not used		☐ Well Baby Nurseries	☐ Sterile Processing				
for patient		☐ Pediatrics Med/Surg	☐ Cardio-Pulmonary Acute Care Units				
care, patient holding or		☐ Nuclear Medicine	☐ Cardiac Catheterization & Angiography areas				
transport of		☐ Admission/Discharge area	☐ Dialysis areas				
patients		☐ Rehabilitation Therapy	☐ Inpatient Oncology & Bone Marrow Transplant Units				
1		□Echocardiography	☐ Endoscopy areas				
		☐ General Medical/Surgical Units	☐ Pharmacy admixture areas				
		☐ Outpatient Care Clinics	☐ Ambulatory Surgery Center				
			☐ Pediatric Treatment Center				
Permit Request By	:	(PM)	Permit Authorized By: (ICP)				
Date:			Date:				



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Infection Control Risk Mitigation Plan and Preventive Measures Checklist

Project # and Location	n:	Project Start Date		Estimated Duration:		
Project Manager (PM):	Contractor(s):		Infection Control Practitioner (ICP):		
PM's phone number:		Contractor's phone number:		ICP's phone number:		
Please check the ICF	RM Plan for the project determ	ined by the ICRA				
	1. Execute work by method	ds that minimize	3.	Immediately remove incidental dust using HEPA vacuum or		
CLASS I	generating dust from construction operations.			damp dusting.		
	Immediately replace ceil	ling tile displaced for	4.	Clean work area upon completion of task.		
	visual inspection.					
	 Obtain infection control 	permit before	7.	Construction workers will vacuum clothes with HEPA Vacuum		
CLASS II	construction begins.			before leaving work area. Contain construction waste before transport in covered containers.		
	2. Provide active means to		8.			
(includes Class I)	dispersing into atmosphe					
_	3. Water mist work surface	es to control dust while	9.	Wet mop and/or vacuum with HEPA filtered vacuum before		
Ш	cutting.			leaving work area.		
	4. Seal unused doors with t		10.	Place adhesive walk-off mats inside work area (and outside of		
	Air vents may require se Facilities Mgmt.	ealing; consult w/	1.1	work area if safety allows). Ceiling or wall access outside construction zone may require		
	6. Wipe surfaces with disir	nfectant	11.	separate enclosure (permit required).		
	Seal air vents and Isolate		5.	Do not remove barriers from work area is thoroughly cleaned.		
CLASS III	where work is being dor		5. 6.	Vacuum work with HEPA filtered vacuum		
CLASS III	specifications.	ie. Consuit with project	7.	Wet mop with disinfectant.		
(includes Class II)		riers or implement portable	8.	Remove barrier materials to minimize dirt and debris.		
(merades crass ii)	mitigation unit before co		9.			
	3. Seal all holes, pipes, cor		7.			
	appropriately.	idents and penduations				
	4. Maintain negative air pr	essure within work site				
Initial	utilizing HEPA-equippe					
	If walls are not full height	nt, exposed wall or ceiling	3.	Do not remove barriers from work area until completed project is		
CLASS IV	space must be sealed.	, 1		inspected by Design and Construction or Facilities Management		
(includes Class III) 2. Construct vestibule and		require all personnel to		representatives and thoroughly cleaned. Remove barrier materials		
	vacuum off in this room			to minimize dust and debris.		
		ork site. Alternatively, they	4.	Upon completion of work, remove isolation of HVAC system in		
		coveralls that are removed		areas where work is being performed. Follow established		
Initial	each time they leave the	work site.		procedures for re-starting HVAC or water.		
			5.	All personnel entering work site are required to wear shoe covers.		
				Shoe covers must be changed each time the worker exits the work		
area.						
Exceptions/Additions to this permit are noted below or by attached memoranda Date Initials						
Permit Request By:	(PM)	Date: Permit Author	orizec	d By: (ICP) Date:		



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Table C: Construction Activity and Risk Group Matrix

CONSTRUCTION	TYPE	TYPE	TYPE	TYPE
ACTIVITY→	"A"	"B"	"C"	"D"
RISK LEVEL				
\downarrow				
Group 1	Class I	Class II	Class II	Class III/IV
Group 2	Class I	Class II	Class III	Class IV
Group 3	Class II	Class III	Class III/IV	Class IV
Group 4	Class III	Class III/IV	Class III/IV	Class IV

^{*}Designation of Grouping for any location may be changed at the discretion of HEIC

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