

626A8-12-009; Electrical Panels, Feeders, Switch Upgrades
Infection Control Risk Assessment

Location and type of construction: Bldgs 1, several floors – electrical & minor architectural				Project Start Date: May 2013	
Project Manager: Marle A. Wolf				Estimated Duration: 3-4 months	
Supervisor of Area: Randall Millers				Date notified of project:	

YES	NO	CONSTRUCTION ACTIVITY	YES	NO	INFECTION CONTROL RISK GROUP
	X	TYPE A: Inspection, non-invasive activity.		X	GROUP 1: Least Risk
X		TYPE B: Small scale, short duration, minimal dust generating activity.	X		GROUP 2: Medium Risk
	X	TYPE C: Activity that generates moderate to high levels of dust, requires greater than one work shift for completion.		X	GROUP 3: Medium/High Risk
	X	TYPE D: Major duration and construction activities requiring consecutive work shifts.		X	GROUP 4: High Risk

Class: Class determined by completing above and referring to FM-01 (Red Book) Section II Chapter 7, Risk Assessment Matrix of Precautions for Construction and Renovation.

CLASS I
 Circle all that apply

1. Execute work by methods to minimize raising dust from construction operations.
2. Immediately replace a ceiling tile displaced for visual inspection

CLASS II
 (Circle all that apply)

1. Use tools equipped with dust collectors.
2. Seal unused doors with tape.
3. Block off and seal air vents. ** where needed and applicable **
4. Remove or isolate HVAC system in areas where work is being performed. ** off shift work when possible **
5. Utilize air filtration machine
6. Water mist work surfaces to control dust while cutting.
7. Place dust mat at entrance and exit of work area.
8. Wipe work surfaces with disinfectant.
9. Contain construction waste before transport in tightly covered containers.
10. Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area.
11. Remove isolation of HVAC system in areas where work is being performed.

CLASS III
 (Circle all that apply)

Obtain infection control approval before construction begins.

1. Implement measures from Class II above, plus.
2. Complete all critical barriers i.e. sheetrock, plywood, plastic, to seal area from non-work area before construction begins. * Consider off-shift work if critical barrier is not constructed.
3. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units.
4. Cover transport receptacles or carts. Tape covering unless solid lid. Implement measures from Class II above, plus.
5. Do not remove barriers from work area until completed project is inspected by Safety Section & Infection Control & thoroughly cleaned by Facilities Management.
6. Contain construction waste before transport in tightly covered containers.
7. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction.
8. Vacuum work area with HEPA filtered vacuums.
9. Wet mop area with disinfectant.
10. Remove isolation of HVAC system in areas where work is being performed.

CLASS IV
 (Circle all that apply)

Obtain infection control approval before construction begins.

1. Consider off-shift work.
2. Consider Moving Patients out of area.
3. Implement measures from Class III above, plus
4. Construct anteroom and require all personnel and tools etc. 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.
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.
6. Do not remove barriers from work area until completed project is inspected by Safety Section & Infection Control & thoroughly cleaned by Facilities Management.
7. Remove barrier material 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 unless solid lid
10. Vacuum work area with HEPA filtered vacuums.
11. Wet mop area with disinfectant.
12. Remove isolation of HVAC system in areas where work is being performed.

Exceptions/Additional requirements to this permit are noted by comments or attached memoranda:

Infection Control Manager :	Date:	
	11/29/12	

Construction Project Activity

<u>TYPE A</u>	Inspection and Non-Invasive Activities. Includes, but is not limited to: <ul style="list-style-type: none"> Removal of ceiling tiles for visual inspection limited to 1 tile per 50 square feet. Painting (but not sanding). Wall covering, electrical trim work, minor plumbing, and activities which do not generate dust or require cutting of walls. Access to ceilings or chase spaces for visual inspection.
<u>TYPE B</u>	Small scale, short duration activities which create minimal dust, noise, vibration, short utility outages (1-4 hrs.) Includes, but is not limited to: <ul style="list-style-type: none"> Installation of telephone and computer cabling including removal of multiple ceiling tiles. Cutting, sanding, or demolition of walls, ceilings, or floors where dust migration can be contained within 50 square feet, or contained to one room. Noise: Maximum- small chipping or hammer-drill, less than 4 hours. Utility outage 1-4 hours water, electrical, med. Gas, HVAC.
<u>TYPE C</u>	Work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies, high noise and vibration, utility outage 4-8 hrs. Includes, but is not limited to: <ul style="list-style-type: none"> Sanding of walls for painting or wall covering. Removal of walls, floor coverings, entire ceiling systems, extensive cutting or sanding in areas greater than 50 square feet and where more than one room is affected. New wall construction Duct work, electrical work, cabling etc. above ceilings where multiple ceiling tiles are removed along with aggressive activity within the ceiling space. Noise: small tools i.e. hammer drill up to 8 hours, or any large jack hammer Water, sewer, power, HVAC, med. Gas, outages up to 8 hours.
<u>TYPE D</u>	Major demolition and construction projects Includes, but is not limited to: <ul style="list-style-type: none"> Construction, noise, and utility outages which require consecutive work shifts Heavy demolition over a large area, including removal of walls floors ceilings or complete utility systems, where separation from occupied areas is difficult. New construction.

Occupant/Patient Risk Groups

Low Risk	Medium Risk	High Risk	Highest Risk
<ul style="list-style-type: none"> Single Office Storage Machine Rooms Shops 	<ul style="list-style-type: none"> Physical Therapy Radiology Connecting Corridors Office Suites Psychiatry CDC Dom Outpatient Clinic B1, B28, B111 	<ul style="list-style-type: none"> Laboratories (specimen) Outpatient Surgery Specialty Clinic Pharmacy Endoscopy Respiratory Therapy NHCU Sub-acute unit Kitchen 	<ul style="list-style-type: none"> Any area caring for immunocompromised patients Central Sterile Supply Negative pressure isolation rooms Vent Unit

IC Matrix - Class of Precautions: Construction Project by Occupant/Patient Risk

Construction Project Type

Occupant/Patient Risk Group	TYPE A	TYPE B	TYPE C	TYPE D
LOW Risk Group	I	II	II	III/IV
MEDIUM Risk Group	I	II	III	IV
HIGH Risk Group	I	II	III/IV	IV
HIGHEST Risk Group	II	II	III/IV	IV

Note: Infection Control approval will be required when the Construction Activity and Risk Level indicate that Class III or Class IV control procedures are necessary.