4-9-12
Renovate 6th Floor

Infection Control Risk Assessment (ICRA)
Precautions for Construction & Renovations at VAMC Iron Mountain

Step 1. - Use the following chart to identify the Type of Construction Project Activity (Type A-D)

Type A	**Inspect and Non-invasive Activities:** Includes, but not limited to: ***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 or access to ceilings other than for visual inspection.
Type B	**Small scale, short duration activities which create minimal dust:** Includes, but not limited to: Installation of telephone and computer cabling. Access to chase spaces. Cutting of walls or ceiling where dust migration can be controlled.
Type C	**Work that generates a moderate high level of dust or requires demolition or removal of any fixed building components or assemblies:** Includes, but not limited to: Sanding of walls for painting or wall covering. Removal of floor covering, ceiling tiles and casework. New wall construction. Minor duct work or electrical work above ceilings. Major cabling activities. Any activity which cannot be completed within a single work shift.
Type D	**Major demolition and construction projects:** Includes, but not limited to: Activities that require consecutive work shifts. Requires heavy demolition or removal of a complete cabling system. New construction.

Selected Type of Construction: D

Step 2. - Using the following table, identify the Patient Risk Group that will be affected. If more than one group is affected, select the higher risk group.

Low Risk	Medium Risk	High Risk	Highest Risk
Office areas 6th Floor Unoccupied	Cardiology Echocardiography Endoscopy Nuclear Medicine Physical Therapy Radiology/MRI Respiratory Therapy	CCU Emergency Room Laboratories Outpatient Surgery Pharmacy Post Anesthesia Care Unit Surgical Units	Any area caring for immunocompromised patients Cardiac Cath Lab Central Supply Intensive Care Units Medical Units Negative airflow rooms Oncology Operating Rooms

Select Patient Risk Group: Low

Step 3. - Match the Patient Risk Group with the planned Construction Project Type (A, B, C, D) on the following matrix, to find the **Class of Precautions (I, II, III, IV)** or level of infection control activities required.

Patient Risk Group	Type A	Type B	Type C	Type D
Low risk	I	II	II	III/IV
Medium risk	I	II	III	IV
High risk	I	II	III/IV	IV
Highest risk	II	III/IV	III/IV	IV

Select Control Procedures: III/IV

	During Construction Project	Upon Completion of Projects
Class I	1. Execute work by method to minimize raising dust from construction operations. 2. Immediately replace a ceiling tile displaced for visual inspection.	1. Clean work upon completion of task.
Class II	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. Block off and seal air vents. 5. Place dust mat at entrance and exit of work area. 6. Remove or isolate HVAC system in areas where work is being performed.	1. Wipe work surfaces with disinfectant. 2. Contain construction waste before transport in tightly covered containers. 3. Wet mop &/or vacuum before leaving work area. 4. Remove isolation of HVAC system in area where work is being performed.
Class III	1. Remove or isolate HVAC system in area where work is being done to prevent contamination of duct system. 2. Complete all critical barriers, i.e. sheetrock, plywood, plastic, to seal area from non-work area or implement control cube method (cart with plastic covering & sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins. 3. Maintain negative air pressure within worksite utilizing HEPA-equipped air filtration units. 4. Contain construction waste before transportation in tightly covered containers. 5. Cover transport receptacles or carts. Tape covering unless solid lid is used.	1. Do not remove barriers from work area until completed project is inspected by Safety Management & Infection Control & thoroughly cleaned by Environmental Management. 2. Remove barrier materials carefully to minimize spreading of dirt & debris associated with construction. 3. Vacuum work area with HEPA-filtered vacuums. 4. Wet mop with disinfectant. 5. Remove isolation of HVAC system in areas where work is being performed.
Class IV	1. Isolate HVAC system in area where work is being done to prevent contamination of duct system. 2. Complete all critical barriers, i.e., sheetrock, plywood, plastic, to seal area from non-work area or implement control cube method (cart with plastic covering & sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins. 3. Maintain negative air pressure within worksite 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 the can wear cloth or paper coveralls that are removed each time they leave the work site. 6. All personnel entering the work site are required to wear shoe covers. Shoe covers must be changed each time the worker exits the work area. 7. Do not remove barriers from work area until completed project is inspected by Safety Management & Infection Control & thoroughly cleaned by Environmental Management.	1. Remove barrier materials carefully to minimize spreading of dirt & debris associated with construction. 2. Contain construction waste before transport in tightly covered containers. 3. Cover transport receptacles or carts. Tape covering unless solid lid. 4. Vacuum work area with HEPA-filtered vacuums. 5. Wet mop with disinfectant. 6. Remove isolation of HVAC system in areas where work is being performed.

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

Project Renovate 6th floor for lab

Class Type III/IV

Project COTR

Pam Boucher RN
Infection Control Nurse

4-9-12
Date

Attachment C
Policy 138-03

Step 4. **Identify the areas surrounding the project area, assessing potential impact**

Unit Below	Unit Above	Lateral	Lateral	Behind	Front
MR	LR	LR	LR	LR	LR
Risk Group	Risk Group	Risk Group	Risk Group	Risk Group	Risk Group

Step 5. **Identify specific site of activity eg, patient rooms, medication room, etc.**
6TH Floor - Unoccupied floor

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tep 6. **Identify issues related to: ventilation, plumbing, electrical in terms of the occurrence of probable outages.** SAME PRECAUTIONS & REQUIREMENTS AS 6TH FLOOR AREA.
AFTER HOURS WORK for 1ST & 5TH/MLS YES, ~~will be determined at later date~~
~~* will affect 5th Floor for the ins. requirements will be done separately for those areas.~~ AS PER PAH DURING MEETING 9 APRIL S

tep 7. **Identify containment measures, using prior assessment. What types of barriers? (Eg, solids wall barriers); Will HEPA filtration be required?**
Plastic - HEPA

(Note: Renovation/construction area shall be isolated from the occupied areas during construction and shall be negative with respect to surrounding areas)

Step 8. **Consider potential risk of water damage. Is there a risk due to compromising structural integrity? (eg, wall, ceiling, roof)** Yes

Step 9. **Work hours: Can or will the work be done during non-patient care hours?** Yes

Step 10. **Do plans allow for adequate number of isolation/negative airflow rooms?** N/a

Step 11. **Do the plans allow for the required number & type of handwashing sinks?** Yes

Step 12. **Does the infection control staff agree with the minimum number of sinks for this project?** (Verify against AIA Guidelines for types and area) Yes

Step 13. **Does the infection control staff agree with the plans relative to clean and soiled utility rooms?** Yes

Step 14. **Plan to discuss the following containment issues with the project team. Eg, traffic flow, housekeeping, and debris removal (how and when),**
Covered Shoot from 6th floor

Appendix: Identify and communicate the responsibility for project monitoring that includes infection control concerns and risks. The ICRA may be modified throughout the project. Revisions must be communicated to the Project Manager.

Infection Control Construction Permit

Permit No: —

Location of Construction: 6th Floor

Project Start Date: 7-2012

Project Coordinator: Mike Seda

Estimated Duration: 1 year

Contractor Performing Work

Permit Expiration Date: 7-31-2013

Supervisor: —

Telephone: Ext 32036

NO	CONSTRUCTION ACTIVITY	YES
	TYPE A: Inspection, non-invasive activity	X
	TYPE B: Small scale, short duration, moderate to high levels	
	TYPE C: Activity generates moderate to high levels of dust, requires greater 1 work shift for completion	
X	TYPE D: Major duration and construction activities Requiring consecutive work shifts	

NO	INFECTION CONTROL RISK GROUP
	GROUP 1: Low Risk
	GROUP 2: Medium Risk
	GROUP 3: Medium/High Risk
	GROUP 4: Highest Risk

CLASS I

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

CLASS II

1. Provides active means to prevent air-borne dust from dispersing into atmosphere
2. Water mist work surfaces to control dust while cutting.
3. Seal unused doors with duct tape.
4. Block off and seal air vents.
5. Wipe surfaces with disinfectant.
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. Isolate HVAC system in areas where work is being performed; restore when work completed.

CLASS III

1. Obtain infection control permit before construction begins.
2. Isolate HVAC system in area where work is being done to prevent contamination of the duct system.
3. Complete all critical barriers or implement control cube method before construction begins.
4. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units.
5. Do not remove barriers from work area until complete project is thoroughly cleaned by Env. Services Dept.
6. Vacuum work with HEPA filtered vacuums.
7. Wet mop with disinfectant
8. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction.
9. Contain construction waste before transport in tightly covered containers.
10. Cover transport receptacles or carts. Tape covering.
11. Upon completion, restore HVAC system where work was performed.

Date

Initial

PB 4-9-12

CLASS IV

1. Obtain infection control permit before construction begins.
2. Isolate HVAC system in area where work is being done to prevent contamination of duct system.
3. Complete all critical barriers or implement control cube method before construction begins.
4. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units.
5. Seal holes, pipes, conduits, and punctures appropriately.
6. 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.
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 the Environmental Service Dept.
9. Vacuum work area with HEPA filtered vacuums.
10. Wet mop with disinfectant.
11. Remove barrier materials 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.
14. Upon completion, restore HVAC system where work was performed.

Date

Initial

Additional Requirements:

Date Initials

Exceptions/Additions to this permit

Date Initials are noted by attached memoranda

Permit Request By:

Permit Authorized By: Pam Borchardt

Date:

Date: 4-9-12