

EXHIBIT H Infection Control Risk Assessment Guidelines – VA Desert Pacific Healthcare Network

Identify the Type of Construction Project Activity (Types A-D)

| | |
|---|--|
| A | Non-invasive activities, including, but not limited to: <ol style="list-style-type: none"> Removal of ceiling tiles where no dust or asbestos is expected 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 |
| B | Small scale, short duration activities which create minimal dust, including but not limited to: <ol style="list-style-type: none"> Installation of electrical, plumbing, HVAC, telephone and computer cabling Access to chase spaces where asbestos is not present Cutting of walls or ceiling where dust migration can be controlled. |
| C | Work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies, including but not limited to: <ol style="list-style-type: none"> Sanding of surfaces for painting or wall covering Removal of floor coverings, ceiling tiles, and casework New wall construction Minor duct work or electrical work above ceilings Major cabling activities Any type A, B or C activity that cannot be completed within a single work shift. |
| D | Major demolition and construction projects, including but not limited to: <ol style="list-style-type: none"> Activities requiring heavy demolition or removal of a complete utility or cabling system New construction and renovation. Friable asbestos and mold abatement projects. |

Identify the Patient Risk Group that will be affected. If more than one risk group will be affected, select the higher group. For all construction classes, patients must be removed from the room while work is performed.

| Low | Medium | High | Highest Risk |
|--|---|--|--|
| All outpatient clinics, offices areas, administrative and industrial spaces. | All non-critical inpatient areas. cardiology, echocardiography, endoscopy, nuclear medicine, rehabilitation medicine, radiology, MRI, respiratory therapy, dry research labs. | DOU, emergency room, clinical laboratory, wet lab research, ambulatory surgery, pharmacy, surgical and medical inpatient beds, procedure center. | Immunocompromised patient area, cath lab, SPD, ICU, occupied, negative pressure rooms, PACU operating rooms. |

Match the Patient Risk Group with the Construction Project Type (A, B, C, D) to find the Class of Precautions (I – V)

| Patient Risk Group | Type A | Type B | Type C | Type D |
|--------------------|--------|--------|--------|--------|
| Low Risk | I | II | III | V |
| Medium Risk | I | II | IV | V |
| High Risk | I | II | IV | V |
| Highest Risk | II | III | V | V |

Description of Required Infection Control Precautions by Class

| Class | During Construction Project | Upon Completion of Project |
|------------------|---|--|
| Class I | <ol style="list-style-type: none"> 1. Execute work by methods to minimize raising dust from construction operations. 2. Immediately replace ceiling tile if displaced. | |
| Class II | <ol style="list-style-type: none"> 1. High Risk patients must remain out of room for one hour after completion of work and cleanup. 2. Execute work by methods to minimize raising dust. 3. Immediately replace ceiling tile if displaced. | <ol style="list-style-type: none"> 1. Remove all visible debris with a wet towel and/or mop. 2. Housekeeping to wipe work surfaces and floors with disinfectant. |
| Class III | <ol style="list-style-type: none"> 1. Execute work by methods to minimize raising dust. 2. Immediately replace ceiling tile if displaced 3. Provide active means to prevent airborne dust from dispersing into atmosphere. 4. Water-mist work surfaces to control dust while cutting. 5. Seal unused doors with duct tape. 6. Isolate HVAC system in areas where work is being performed to prevent contamination of duct system. 7. Place dust mat at entrance and exit of work area. 8. Cover construction waste before transport in covered containers | <ol style="list-style-type: none"> 1. Cover construction waste before transport in covered containers. 2. Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. 3. Open previously sealed HVAC registers and grills. 4. Housekeeping to wipe work surfaces and floors with disinfectant. |
| Class IV | <ol style="list-style-type: none"> 1. Install plastic dust barriers to seal area from non-work area or implement control cube method (cart with plastic covering and sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins. 2. Isolate HVAC system in areas where work is being performed to prevent contamination of duct system. 3. Maintain negative pressure within work site utilizing HEPA equipped air filtration units. 4. Place dust mat at entrance and exit of work area. 5. Cover construction waste before transport in covered containers. 6. All work associated with a major project that has an approved ICRA authorization form will be assessed on an individual basis. | <ol style="list-style-type: none"> 1. Cover construction waste before transport in covered containers. 2. Wet mop and vacuum with HEPA filtered vacuum. 3. Do not remove barriers from work area until a Health System responsible person inspects completed project. 4. Remove barrier materials carefully to minimize spread of dirt and debris associated with construction. 5. Wet mop and vacuum with HEPA filtered vacuum before leaving work area. 6. Remove isolation of HVAC system in areas where work was being performed. 7. Housekeeping to wipe work surfaces and floors with disinfectant. |
| Class V | <ol style="list-style-type: none"> 1. Construct gypsum board/metal stud dust partition, extend and seal to ceiling. 2. Isolate HVAC system within work areas to prevent contamination of duct system. 3. Seal doors opening to adjacent areas with duct tape. 4. Block off and seal HVAC registers, grills and any openings in ductwork to remain. 5. Maintain negative pressure within work site utilizing HEPA equipped air filtration units. 6. Place dust mat at entrance and exit of work area. 7. Cover construction waste before transport in covered and sealed containers. Biohazards to be double bagged. 8. All work associated with a major project that has an approved ICRA authorization form will be assessed on an individual basis. | <ol style="list-style-type: none"> 1. Cover construction waste before transport in covered containers. 2. Wet mop and vacuum with HEPA filtered vacuum. 3. Do not remove barriers from work area until a Health System responsible person inspects completed project. 4. Remove barrier materials carefully to minimize spread of dirt and debris associated with construction. 5. Wet mop and vacuum with HEPA filtered vacuum before leaving work area. 6. Remove isolation of HVAC system in areas where work was being performed. 7. Housekeeping to wipe work surfaces and floors with disinfectant. |

| | | |
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| | 9. Provide monitoring and clearance samples for mold/asbestos. | |
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Infection Control Construction Permit For Class IV and V Precautions

| | | | |
|---------------------------|--|--|--------------------------|
| | Location of Activity: | Project Start Date: | |
| | Project Coordinator: | Estimated Duration: | |
| | Contractor Performing Work: | Permit Expiration Date: | |
| | Supervisor: | Telephone: | |
| Construction Type: | | Risk Group: | Precaution Class: |
| Class I | 1. Execute work by methods to minimize raising dust from construction operations. | 2. Immediately replace ceiling tile if displaced. 3. Clean work area upon completion of task. | |
| Class II | 1. High Risk patients must remain out of room for one hour after completion of work and cleanup. 2. Execute work by methods to minimize raising dust. | 3. Immediately replace ceiling tile if displaced. 4. Remove all visible debris with a wet towel and/or mop. 5. Housekeeping to wipe work surfaces and floors with disinfectant. | |
| Class III | 1. Execute work by methods to minimize raising dust. 2. Immediately replace ceiling tile if displaced 3. Provide active means to prevent airborne dust from dispersing into atmosphere. 4. Water-mist work surfaces to control dust while cutting. 5. Seal unused doors with duct tape. 6. Isolate HVAC system in areas where work is being performed to prevent contamination of duct system. | 7. Place dust mat at entrance and exit of work area. 8. Cover construction waste before transport in covered containers 9. Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. 10. Open previously sealed HVAC registers and grills. 11. Housekeeping to wipe work surfaces and floors with disinfectant. | |
| Class IV | 1. Obtain infection control permit before construction begins. 2. Install plastic dust barriers to seal area from non-work area or implement control cube method (cart with plastic covering and sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins. 3. Isolate HVAC system in areas where work is being performed to prevent contamination of duct system. 4. Maintain negative pressure within work site utilizing HEPA equipped air filtration units. 5. Place dust mat at entrance and exit of work area. 6. Cover construction waste before transport in covered containers. | 7. All work associated with a major project that has an approved ICRA authorization form will be assessed on an individual basis using the Risk Assessment and Exposure Control Checklist. 8. Wet mop and vacuum with HEPA filtered vacuum. 9. Do not remove barriers from work area until a Health System responsible person inspects completed project. 10. Remove barrier materials carefully to minimize spread of dirt and debris associated with construction. 11. Wet mop and vacuum with HEPA filtered vacuum before leaving work area. 12. Remove isolation of HVAC system in areas where work was being performed. 13. Housekeeping to wipe work surfaces and floors with disinfectant. 14. Complete daily log documenting work activity and completion of remedial and preventive procedures required. | |
| Class V | 1. Obtain infection control permit before construction begins. 2. Construct gypsum board/metal stud dust partition, extend and seal to ceiling. 3. Isolate HVAC system within work areas to prevent contamination of duct system. 4. Seal doors opening to adjacent areas with duct tape. 5. Block off and seal HVAC registers, grills and any openings in ductwork to remain. 6. Maintain negative pressure within work site utilizing HEPA equipped air filtration units. 7. Place dust mat at entrance and exit of work area. 8. Cover construction waste before transport in covered containers. 9. All work associated with a major project that has an approved ICRA authorization form will be assessed on an individual basis using the Risk | 10. Wet mop and vacuum with HEPA filtered vacuum. 11. Cover construction waste before transport in covered and sealed containers. Biohazards to be double bagged. 12. Provide monitoring and clearance samples for mold/asbestos. 13. Do not remove barriers from work area until a Health System responsible person inspects completed project. 14. Remove barrier materials carefully to minimize spread of dirt and debris associated with construction. 15. Wet mop and vacuum with HEPA filtered vacuum before leaving work area. 16. Remove isolation of HVAC system in areas where work was being performed. 17. Housekeeping to wipe work surfaces and floors with disinfectant. 18. Complete daily log documenting work activity and completion of remedial and preventive procedures required. | |

Lessor _____ Gov't. _____

| | | | |
|--|--|--------------------------------|-----------------------------|
| | Assessment and Exposure Control Checklist. | | |
| Exceptions or additions to this permit are noted on the attached page. | | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Permit Requested By: | Date: | Approval By Service Affected: | Date: |
| Approval by Safety Officer/IH: | Date: | Approval by Infection Control: | Date: |

| | | | |
|--|-----------------|-------------------|---|
| VA Department of Veterans Affairs | | | |
| | | | |
| DAILY LOG - FORMAL CONTRACT | | | STATION: |
| PROJECT TITLE | | | NAME OF CONTRACTOR |
| DATE | | | CONTRACT NUMBER |
| DAY OF WEEK | | | PROJECT NUMBER |
| WEATHER | | | TEMPERATURE |
| BRANCH OF WORK | SKILLED WORKERS | UNSKILLED WORKERS | LOCATION AND DESCRIPTION OF WORK |
| | | | |
| DELIVERY OF MATERIALS: | | | |
| | | | |
| REMARKS: | | | |
| Barrier installed | | | <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A |
| Isolate HVAC | | | <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A |
| Seal Doors | | | <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A |
| Maintain negative pressure | | | <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A |
| Dust mat at entrance to work area | | | <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A |
| Cover construction waste for transport | | | <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A |
| Wet mop, HEPA vacuum and inspection prior to barrier removal | | | <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A |
| Remove construction barrier | | | <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A |
| Wet mop and HEPA vacuum | | | <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A |
| Reinstate HVAC | | | <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A |
| Wipe work surfaces with disinfectant | | | <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A |
| Signature of Project Manager | | | |

VA Department of Veterans Affairs
DAILY LOG - SAFETY/ILSM CHECKLIST
STATION:
PROJECT TITLE
NAME OF CONTRACTOR
DATE
CONTRACT NUMBER
DAY OF WEEK
PROJECT NUMBER
Interim Life Safety Measure / Hazard Surveillance

Means of egress is clear in construction and adjacent areas.

☐ YES ☐ NO ☐ N/A

Access for the fire department and emergency services is clear.

☐ YES ☐ NO ☐ N/A

Note the status of the fire detection/sprinkler system

Fire sprinkler system is active.

☐ YES ☐ NO ☐ N/A

Fire alarm system is active.

☐ YES ☐ NO ☐ N/A

Smoke detectors are active.

☐ YES ☐ NO ☐ N/A

Temporary systems are in place

☐ YES ☐ NO ☐ N/A

Construction partitions are being maintained and are smoketight.

☐ YES ☐ NO ☐ N/A

Good housekeeping practices are being maintained.

☐ YES ☐ NO ☐ N/A

Exterior balconies, corridors, and stairways clear of storage

☐ YES ☐ NO ☐ N/A

Flammables & combustibles kept to a minimum and in proper containers.

☐ YES ☐ NO ☐ N/A

Buildings, grounds, and equipment are maintained in a safe manner.

☐ YES ☐ NO ☐ N/A

Smoking regulations are being followed.

☐ YES ☐ NO ☐ N/A

Fire extinguisher are readily available in construction area.

☐ YES ☐ NO ☐ N/A

Hot work permit issued

☐ YES ☐ NO ☐ N/A

Work site inspected after hot work

☐ YES ☐ NO ☐ N/A

Other Environmental Considerations / Hazard Surveillance

Caution/ danger signs and barricades in place where needed.

☐ YES ☐ NO ☐ N/A

Lock out/tagout in place

☐ YES ☐ NO ☐ N/A

Extension cords protected/disconnected at end of day.

☐ YES ☐ NO ☐ N/A

Dust barriers maintained.

☐ YES ☐ NO ☐ N/A

MSDS maintained on site and products labeled.

☐ YES ☐ NO ☐ N/A

Asbestos is properly controlled and interstitial doors are closed & locked.

☐ YES ☐ NO ☐ N/A

Area is secured from public and at the end of the day.

☐ YES ☐ NO ☐ N/A

Odors from construction operations are cleared.

☐ YES ☐ NO ☐ N/A

Safety and temporary signage is in place.

☐ YES ☐ NO ☐ N/A

Emergency recall numbers left at work site.

☐ YES ☐ NO ☐ N/A

Utility systems returned to operation in occupied areas.

☐ YES ☐ NO ☐ N/A

Construction storage/field offices maintained and secured.

☐ YES ☐ NO ☐ N/A

Excavations properly barricaded.

☐ YES ☐ NO ☐ N/A

All external openings in walls/roof are sealed from inclement weather

☐ YES ☐ NO ☐ N/A

Exterior storm drains flushed and cleared of debris

☐ YES ☐ NO ☐ N/A

Subcontractors aware/trained in safety/environmental issues

☐ YES ☐ NO ☐ N/A

HEPA unit in place, functioning, and on E Power

☐ YES ☐ NO ☐ N/A

Environmental monitoring for mold

☐ YES ☐ NO ☐ N/A

Inspected by:

Risk Assessment and Exposure Control Checklist - Construction

VA Desert Pacific Healthcare System

Project: _____

Date: _____

| Hazard | Concern? Y/N | Control Measure | Remarks |
|---|--------------|-----------------|---------|
| Asbestos | | | |
| Dust | | | |
| Moisture/water leaks | | | |
| Vapors/fumes | | | |
| Noise | | | |
| Vibration | | | |
| Air pressure relationships | | | |
| Traffic flow | | | |
| Open outside walls | | | |
| Impact to levels above and below | | | |
| Proximity of air intakes | | | |
| Pest control within construction area | | | |
| Proximity of immune suppressed patients | | | |

Approval Signatures:

Project Manager: _____

Chief Engineering Section: _____

Infection Control: _____

Industrial Hygienist: _____

Contractor: _____

Service/Section/Program Chief: _____

Control Measures

Asbestos

1. Contractor has hired an asbestos abatement contractor for control and cleanup.
2. VA to hire independent IH to inspect and clear area for re-occupancy based on monitoring and/or professional judgment.
3. Published asbestos protocol to be followed for work thru ceiling.
4. Published asbestos protocol to be followed for work above ceilings.
5. Perimeter barrier will be constructed in the interstitial space to isolate the construction area with other areas in the interstitial.
6. Project area will be encased with spray applied hard surface encasement material.
7. Provide mini containments under negative air in public areas.
8. Sealed gypsum board barrier will be constructed to isolate the construction area from the public.
9. Transit Panels will be removed which is considered Class B removal

Dust

1. Sealed gypsum board barrier will be constructed to isolate the construction area from the public.
2. Trash carts will be covered when transported thru the building.
3. Provide negative air machine exhausted to outside.
4. Provide mini containments under negative air in public areas.
5. Provide negative air machine in space as air scrubber.
6. Provide walk off mats at entrances to work area
7. Perimeter barrier will be constructed in the interstitial space to isolate the construction area with other areas in the interstitial.

Moisture Water Leaks

1. Contain any water from core drilling activities.
2. Dike any floor penetrations to minimize risk of leaks from construction zone.

Vapors/Fumes

1. Use of products with low VOC's.
2. Provide negative air in construction zone exhausted to outside away from intakes.
3. Seal work area airtight barrier.
4. Cut all metal outside the building.
5. Seal any floor penetrations to minimize risk of fumes thru construction zone.
6. Shut down air handler to minimize infiltration of fumes from outside.

Noise

1. Schedule demolition work after normal work hours.
2. Cut all metal outside the building.

Vibration

1. Schedule demolition work after normal work hours.
2. Coordinate with occupants in surrounding areas to explain the work occurring

Air Pressure Relationships

1. Provide negative air during asbestos abatement.
2. Provide negative air during construction
3. Seal off supply and exhaust HVAC registers.
4. Provide anti room under negative pressure at entrance to project zone.

Traffic Control

1. Access construction area via exterior door.
2. Schedule delivery of large quantities of material and demolition haul out after hours.

Open Outside Walls

1. Construct temporary outside wall to limit the infiltration of wind, air, and temperature differences into the project site.

Impact to Levels Above and Below

1. Coordinate with occupants in surrounding areas to explain the work occurring.
2. Follow asbestos protocol when doing under floor work
3. Vacate areas when doing below floor work off of the catwalk.

Proximity of Air Intakes

1. Shut down air handlers to reduce infiltration of fumes from exterior activities such as painting, gasoline powered engines, roofing operations, equipment, etc.

Pest Control Within Construction Area

1. Provide barriers to any open outside walls
2. Contact Pest Controller if any evidence of pests are found during the course of the work.

Proximity of immune suppressed patients

1. Relocate patients away from construction zone for entire project.
2. Relocate patients away from construction zone during demolition operations.