

APPENDIX A of
CONSTRUCTION, RENOVATION, AND MAINTENANCE INFECTION
CONTROL RISK ASSESSMENT

**INFECTION CONTROL RISK ASSESSMENT
AUTHORIZATION**

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|--|-------------------------------|-------------------|---|------------------------|-------------------|
| Project: | | | | Class: | |
| WO#: | | | Location of Construction (BLD#): | | |
| Project Description/Scope of Work: | | | | | |
| Project Start Date: | | | Project Duration/Project End Date: | | |
| UVa Project Manager Contact Info (Cell # & email) | | | UVa Construction Adm. Manager Contact Info (Cell # & email) | | |
| Contracted Company Performing Work: | | | Contractor PM or Superintendent Contact Info (Cell # & Email): | | |
| Check highest | Risk Group | Check 1 | Construction Activity TYPE | | |
| | Low Risk Area | | TYPE A: Inspection, non-invasive activity | | |
| | Medium Risk Area | | TYPE B: Small scale, short duration, minimal levels of dust | | |
| | High Risk Area | | TYPE C: Activity generates moderate to high levels of dust. | | |
| | Highest Risk Area | | TYPE D: Major duration and construction activities. | | |
| Risk Group↓ | CONSTRUCTION ACTIVITY→ | TYPE A | TYPE B | TYPE C | TYPE D |
| Low Risk | | I | I | II | III |
| Medium Risk | | I | II | III | IV |
| High Risk | | I | II | III or IV ² | IV |
| Highest Risk | | II | II or III ¹ | III or IV ² | IV |
| ¹ Higher class when working above ceiling ² Higher class may be required dependent on duration, location and potential impact of work Check here <input type="checkbox"/> if: Plenum Ceilings exist (complete negative pressure cannot be obtained) or negative pressure rooms will be affected | | | | | |
| Note: Infection Prevention & Control approval of the ICRA Authorization Form will be required for Class III or Class IV projects. | | | | | |
| Complete the following for Class III and Class IV projects. | | | | | |
| <i>Identify the areas surrounding the project area and the risk group for those locations. If more than one risk group is identified, select the higher risk group.</i> | | | | | |
| Unit Below | Unit Above | Lateral | Lateral | Behind | Front |
| | | | | | |
| Risk Group | Risk Group | Risk Group | Risk Group | Risk Group | Risk Group |
| | | | | | |
| Has IP&C been consulted on the design (e.g. clean/soiled rooms, handwashing sinks, isolation rooms, etc.)? | | | | | |
| Specific site of activity (patient room, corridor, medication room, storage room, etc.). Specify room numbers. | | | | | |
| How will unit based equipment be protected? If equipment is to be moved, provide specifics: | | | | | |

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| Possible HVAC, plumbing, and electrical issues and the probability of unplanned outages that will impact patient care: | |
| Is there a risk for water damage or will water be aerosolized during this work? | |
| HVAC: Describe local or system isolation of work site (will supply or return be active?): | |
| Indicate type of work to be done during patient care hours: | |
| Describe patient, staff and construction traffic flow patterns during construction | |
| ICRA containment: Barrier/Door type: | |
| <input type="checkbox"/> Plastic containment required for construction of barrier <input type="checkbox"/> Inspection prior to start of construction required <input type="checkbox"/> Need elevator lockout or appropriate measures if elevators are within work area? | |
| Ante-room (yes/no): | |
| How will negative pressure be maintained? Indicate on floor plan. Reference Section III.C. | Number of HEPA air exchanges and location of HEPA machines (indicate on floor plan) (min 6 ACH): (Ft³/10= req. CFM) |
| Can supply air be completely isolated vs damped down? Have you coordinated with HSPP? | |
| How will negative pressure be monitored? Minimum -0.01. For Class IV work must be -0.03 | |
| <ul style="list-style-type: none"> • Continuous read negative air pressure monitor • Smoke test with daily log | |
| IP&C to complete: Need for final IP&C approval before reoccupancy? | |

| Infection Control Interventions for the assigned classification include interventions for all lower classes (i.e. Class IV includes Classes I, II, & III) | |
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| Class I | <ol style="list-style-type: none"> 1. Patients must be removed from the Work area while the Work is being performed. 2. Execute work by methods to minimize raising dust from construction operations. 3. Immediately replace ceiling tile if displaced. 4. Contractor is educated before the start of the project about the importance of adhering to Infection Prevention & Control measures. 5. Clean (wipe down or HEPA vacuum) work area upon completion of task |
| Class II | <ol style="list-style-type: none"> 1. All Class I interventions 2. High Risk Patients must remain out of room for one hour after completion of work. 3. Provide active means to prevent air-borne dust from dispersing. 4. Contain work area with an approved ICRA containment barrier (section H on page 4). 5. Clean/sterile patient care items must be removed from within ICRA barrier. Contractor to notify RP if not removed. 6. Take appropriate measures at the source (e.g. HEPA vac, water mist, etc.) to control dust while cutting. 7. Seal unused doors with painters tape. 8. For Type C Work, take appropriate measures to isolate HVAC system as specified in ICRA authorization 9. Doors and windows within the work zone to remain closed at all times except during ingress/egress. Use appropriate cleaning measures to minimize all visible debris throughout the site. 10. Maintain dust control mats (carpet and/or adhesive walk off mat) at site access points as necessary. Any dust or construction debris tracked outside of the work area will be promptly cleaned. 11. All renovation, construction, maintenance & tool carts entering/leaving area must be tightly covered and wiped and/or vacuumed so they are free of dust and debris 12. Cover construction waste before transport using clean, hard-covered containers. 13. Use designated travel route/elevators for all construction related activities. 14. Area to be free of dust and or debris at end of job or end of work shift. RP to Coordinate with EVS for Discharge Clean if work done outside of mobile dust containment booth. |

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| Class III | <ol style="list-style-type: none"> 1. All Class I and II interventions 2. Isolate HVAC system in areas where work is being performed to prevent contamination of duct system. Maintain until barrier is removed at completion of project. 3. Designate entry and exit traffic pattern, unauthorized personnel are not permitted to enter work zone, place traffic control signs. 4. Complete all barriers (or implement portable containment with HEPA vacuum) before construction begins. When working above ceiling, barriers must go to deck unless exception approved on ICRA authorization. Barriers will stay in place until PM authorizes removal 5. Seal all holes, pipes and conduit penetrations in critical barriers. 6. Maintain negative pressure within work site and utilize HEPA equipped air machines. Both will be maintained until finishes are complete, the HVAC system is operational and PM authorizes removal. Air from work zone within Operating room theatre must not be exhausted into adjacent corridors. 7. Air pressure to be monitored & documented at least daily (range -0.01 to -0.05 wc or smoke test). 8. The contractor will maintain the construction zone in a clean manner. <ol style="list-style-type: none"> a. Vacuum debris from clothing and shoes prior to exiting barriers (including containment booth) b. The area will be HEPA-vacuumed or damp mopped daily or more often as necessary to minimize dust. c. Daily cleanup of debris, material and waste shall be completed. Walk off mats monitored & changed on a regular basis so that they remain effective. d. Any dust or construction debris tracked outside of the work area will be promptly cleaned. 9. Do not open previously sealed HVAC registers and grills until finishes are in place and site is clean. 10. Barriers will be removed carefully to minimize spreading of construction dust and debris. 11. RP to Coordinate with EVS for a Terminal Clean. 12. For Type C and D work, additional steps for re-occupancy may be required as outlined in Section IV of this document. 13. **For adjacent outdoor work, many of the above interventions may not apply, however, additional interventions may be required to isolate construction from building entrances and mitigate construction impact to patient care (e.g. re-route patient traffic, wet down excavation areas, charcoal filters on air intakes, additional physical barriers at entrance/windows). |
| Class IV | <ol style="list-style-type: none"> 1. All Class I, II, and III interventions 2. Continuous air pressure monitoring may be required (range -0.01 to -0.05 wc). For all Class IV work in highest risk areas, continuous pressure and daily particle count monitoring outside of construction entrance is required. 3. When exhausting into adjacent space, daily particle count monitoring of the HEPA exhaust efficiency in highest risk areas is also required. 4. Utilize anteroom and require all personnel to pass through this room so that they can be vacuumed using a HEPA vacuum cleaner before leaving work site. <ol style="list-style-type: none"> a. In certain situations wearing coveralls and/or shoe covers upon leaving the worksite may also be required. 5. To erect a barrier in Highest Risk areas a temporary plastic barrier must be first established using extension poles and fire retardant poly. To remove barriers upon completion of work a temporary barrier must again be established and the permanent barrier removed within the temporary barrier. 6. Portable air scrubbers used in Class IV interventions should be connected to emergency power, if available |
| ADDITIONAL COMMENTS OR REQUIREMENTS: | |
| Required Signatures | |
| UVa Project Manager/CAM/Responsible Person – Class I - IV | Date |
| Contractor PM/Superintendent (unless TBD at time of signing) | |
| Infection Preventionist – Class III/IV only | |
| Clinical Area Manager or Designee – Class III/IV only | |