

CENTRAL STATE HOSPITAL
POLICY/PROCEDURE

SUBJECT: **POLICY AND PROCEDURE FOR INFECTION CONTROL DURING
CONSTRUCTION AND RENOVATION PROJECTS**

ANNUAL REVIEW MONTH: June

RESPONSIBLE FOR REVIEW: Maintenance Director

LAST REVISION DATE: July 2008

I. POLICY

It is the policy of Central State Hospital (CSH) to control the spread of infectious agents during periods of construction or renovation in client care facilities. An interdisciplinary team, known as the Construction Review Team, is hereby formed to conduct risk assessments and monitor progress of construction and renovation projects. The Construction Review Team shall consist of the **Maintenance Director**, the Infection Control Coordinator, and the Safety Director. Ad hoc members will be appointed to the Construction Review Team from the various units as appropriate based on the scope of construction or renovation. This policy shall be reviewed annually and updated as necessary by **Plant Operations** with input (if received) from both the Infection Control Committee and the Safety Committee.

II. OVERVIEW OF PROCEDURES

Details of procedures for infection control during construction and renovation projects are provided in subsequent sections of this document. Below are the primary procedural requirements for compliance with this policy.

- For projects that are professionally designed, the project design team (architect and/or engineer) shall certify that the proposed construction or renovation project was designed in accordance with applicable codes and standards.
- The **Plant Operations Department's** Project Manager, in consultation with the **Maintenance Director**, will first conduct a preliminary risk assessment to determine if the project warrants involvement by the Construction Review Team. If results of the preliminary risk assessment indicate the need for Construction Review Team oversight, the Construction Review Team shall then perform a detailed risk assessment for the project. The risk assessment shall be based on scope and location of the work in order to establish the specific set of applicable requirements for infection control and monitoring throughout construction.

- Construction or renovation shall be executed in accordance with the *Infection Control Construction Permit* (if applicable), with associated interim monitoring for permit compliance, and maintenance of compliance documentation.
- Project construction meetings shall have the Construction Review Team representation for oversight and consultation as appropriate. This Construction Review Team designee shall also be responsible for maintaining required project documentation as set forth in the *Documentation Requirements* section.
- Upon completion of the project, the Construction Review Team shall document the project was completed in compliance with this policy, or else make recommendations for improvements to this policy so as to maximize its future effectiveness.

III. **APPLICABLE CODES AND STANDARDS**

The Joint Commission's (TJC) Management of the Environment of Care Standard EC 3.2.1 requires that hospital construction and renovation projects be designed in accordance with *Guidelines for Design and Construction of Hospitals and Health Care Facilities*, 2001, published by the American Institute of Architects Academy of Architecture for Health (AIA). All new major construction and renovation projects in Central State Hospital client care facilities shall be designed in compliance with requirements of this document unless the **Maintenance Director** provides prior written approval of alternative codes and standards.

The following excerpt from EC 3.2.1 further describes the intent of the standard. The intent of this standard shall be considered during the design phase of the project.

When planning demolition, construction, or renovation work, the hospital conducts a proactive risk assessment using risk criteria to identify hazards that could potentially compromise patient care in occupied areas of the hospital's buildings. The scope and nature of the activities should determine the extent of risk assessment required. The risk criteria should address the impact that demolition, renovation, or new construction activities have on air quality requirements, infection control, utility requirements, noise, vibration, and emergency procedures. As required, the hospital selects and implements proper controls to reduce risk and minimize impact of these activities.

IV. **OVERVIEW OF DOCUMENTATION REQUIREMENTS**

All new construction and renovation projects in CSH client care facilities that are determined to require Construction Review Team oversight are required to have the following documentation on file. The following list is an overview of requirements, to be maintained by the **Plant Operations Department's** Project Manager. Details for each requirement are provided in the sections to follow this overview.

1. Certification by the design architect or engineer that the proposed construction or renovation project was designed in accordance with *Guidelines for Design and Construction of Hospitals and Health Care Facilities*, 2001, AIA, or other prior-approved applicable codes and standards. Additionally, if the project applies to a facility that will be occupied in any areas during the construction period, the designer shall certify that phasing of construction and isolation of construction areas and associated ventilation systems are as set forth in the contract documents. Construction phasing and isolation of ventilation systems, etc. are to be based on guidance from CSH **Plant Operations Department** with input (as deemed appropriate by **Plant Operations**) from the Construction Review Team.
2. The *Risk Assessment* performed by the **Plant Operations Department's** Project Manager and/or the Construction Review Team.
3. The project *Infection Control Construction Permit*.
4. Project meeting notes if applicable to infection control issues.
5. Project monitoring checklists for pre-construction activities, precautions during construction, and post-construction clean-up.
6. Final approval by the Construction Review Team, documenting that the project was completed in compliance with this policy, or else indicating possible discrepancies and resulting recommendations for improvements to this policy to maximize its future effectiveness.

V. **DETAILED PROCEDURES AND REQUIREMENTS**

1. **Project Design Requirements**

A list of requirements for the design phase of projects is under development by CSH **Plant Operations Department**. These requirements will ensure that all new construction and renovation projects are designed in accordance with and include contract provisions that facilitate compliance with this policy.

2. **Infection Control Risk Assessment**

- a) **Plant Operations Department's** Project Manager will complete a preliminary infection control risk assessment matrix, found in the Attachments of this policy.
- b) This process will determine the **Type of Construction** from the following options:
 - **Type A.** Non-invasive inspection or minor repair work.
 - **Type B.** Small-scale, short-duration maintenance, repair and component installation.

- **Type C.** Major system upgrades, in particular those involving pulling cable and remodeling or construction projects generating moderate to high levels of dust. Also refer to CSH Policy 5.24 Fire Rated or Smoke Tight Wall Penetrations that applies to all projects that involve penetrations to facility walls. Landscaping projects may be included in this category.
- **Type D.** Major demolition, renovation and new construction projects.

Note that the **Plant Operations Department's** Project Manager will determine the project type (A, B, C or D) during the project planning phase. For projects to be completed under the MP2 Work Order System, the project type will be determined by the **Plant Operations Department's** Team Leaders.

- c) Then, the level of infection control risk based on the area in which the construction will be determined. **Infection Control Risk Groups** (as defined by the Association of Practitioners in Infection Control (APIC) are as follows:
- **Group I.** Office, administration, medical records and non-client-care areas.
 - **Group II.** Low risk client-care areas, such as cafeterias and kitchens.
 - **Group III.** Medium-high risk areas, such as client-care areas.
 - **Group IV.** High-risk areas, such as Kidd Building Surgery Areas, ICU, Emergency Room, and Isolation Rooms.
- d) Preliminary assessment will cross-reference the **Construction Type** with the **Infection Control Group** in order to determine the **Class of Precautions** required.

Class of Precautions Matrix: Construction Project Type by Client Risk Group

Patient Risk Group	Types of Construction			
	Type A	Type B	Type C	Type D
Low Risk	I	II	II	III/IV
Medium Risk	I	II	III	IV
Medium-High Risk	I	II	III/IV	IV
High Risk	II	III/IV	III/IV	IV

Construction Review Team approval and involvement will be required only when the **Type of Construction** crossed with the **Infection Control Risk Group** indicates that **Class III or Class IV Precautions** are necessary. Projects that require **Class I or II Precautions** will not require review by the Construction Review Team.

3. Infection Control Construction Permit

For all Class III or IV projects, the Plant Operations Department's Project Manager shall complete an *Infection Control Construction Permit* (see copy in Attachments) and present it to the Construction Review Team and/or Plant Operations for review and approval.

4. Pre-Construction Activities

The following activities will either be covered by project contract documents (if applicable), or by CSH Plant Operations Department's staff in accordance with the *Pre-construction Activities Checklist* (see copy in the Attachment).

- a) Define the construction crew path of entry and exit from the construction zone to the staging area outside the facility, and place proper signage to keep all staff, clients, and visitors away from the construction area and path.
- b) Install tacky walk-off mats at the entrance to the construction anteroom and construction zone.
- c) Identify the HVAC system serving the construction area, and what other areas of the hospital are also served by this system, and develop a means of isolating the system from the construction zone.
- d) Establish a means of providing a negative pressure in the construction zone relative to adjacent areas, with exhaust filtered as required based on contaminants.

5. Precautions During Construction

The following activities will either be covered by project contract documents (if applicable), or by CSH Plant Operations Department's staff in accordance with the *Precautions During Construction Monitoring Checklist* (see copy in the Attachment).

- a) Ensure tacky mats are maintained at the entrance to the construction area.
- b) Ensure that all materials leaving the facility and the construction zone are securely bagged and placed in covered rollout bins. All materials entering the hospital must also be covered or placed in covered rollout bins.
- c) Ensure that construction crews are using only the designated path to the construction zone.
- d) Ensure that construction crews are not using staging areas within the facility, but outside of the construction zone.

- e) If construction crews are allowed access to non-construction areas such as smoking areas or restrooms, then disposable coveralls must be worn in the construction zone and discarded in the construction zone anteroom (if applicable) as they leave.
- f) Ensure the supply air and return air outlets are sealed in the construction zone to prevent contamination of the HVAC system and surrounding areas.
- g) Verify that the construction zone is maintained under negative pressure with respect to surrounding areas.

6. **Post-construction Clean-up**

The following clean-up activities will either be covered by project contract documents (if applicable), or by CSH **Plant Operations Department's** staff in accordance with the *Post-construction Clean-up Checklist* (see copy in the Attachment). After project completion, the construction zone must be thoroughly cleaned as follows.

- a) Remove all debris and construction dust using a HEPA-filtered vacuum. This includes any ceiling areas, wall cavities, vertical shafts, and utility chases that have been part of the construction project.
- b) Perform HEPA vacuum cleaning of all surfaces in the construction zone: ceiling, walls, cabinets and other built in furniture and partitions and flooring.

VI. **REFERENCES**

1. Joint Commission on Accreditation of Healthcare Organizations (JCAHO) Management of the Environment of Care, Standard EC.3.2.1
2. *Guidelines for Design and Construction of Hospitals and Healthcare Facilities*, 2001, published by the AIA.
3. *Infection Control During Construction, A Guide to Prevention and JCAHO Compliance*, 2002, published by Opus Communications, Inc.
4. APIC State-of-the-Art Report: The role of infection control during construction in health care facilities, 2002, by the Association for Professionals in Infection Control and Epidemiology (APIC).
5. Special thanks are hereby given to Southwestern State Hospital for use of their hospital policy as a basis for development of the policy and procedures for Central State Hospital.
6. Credits for use of copyrighted materials need to be added here.

Approved:

This policy has been approved by the CEO and CMO on 9/8/08

ATTACHMENTS:

Attachment I:	Risk Assessment Form
Attachment II:	Infection Control Construction Permit
Attachment III:	Pre-construction Activities Checklist
Attachment IV:	Precautions During Construction Monitoring Checklist
Attachment V:	Post-construction Clean-up Checklist

Matrix of Precautions for Construction & Renovation

Step One: Using the following table, *identify* the Type of Construction Project Activity (Type A-D)

<p style="text-align: center;">Type A</p>	<p>Inspection and Non-Invasive Activities Includes, but is not limited to:</p> <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 or access to ceilings other than for visual inspection.
<p style="text-align: center;">Type B</p>	<p>Small scale, short duration activities which create minimal dust Includes, but is not limited to:</p> <ul style="list-style-type: none"> • Installation of telephone and computer cabling. • Access to chase spaces. • Cutting of walls or ceiling where dust migration can be controlled.
<p style="text-align: center;">Type C</p>	<p>Work that generates a moderate to high level of dust or requires demolition or removal of any fixed building component or assemblies Includes, but is not limited to:</p> <ul style="list-style-type: none"> • Sanding of walls for painting or wall covering. • Removal of floor coverings, ceiling tiles and casework. • New wall construction. • Minor ductwork or electrical work above ceilings. • Major cabling activities. • Any activity which cannot be completed within a single work shift.
<p style="text-align: center;">Type D</p>	<p>Major demolition and construction projects Includes, but is not limited to:</p> <ul style="list-style-type: none"> • Activities which require consecutive work shifts. • Requires heavy demolition or removal of a complete cabling system. • New construction.

Step 1 Results: _____

Step Two: Using the following table, *identify* the Patient Risk Groups that will be affected. If more than one risk group will be affected, select the higher risk group:

Group I Low Risk	Group II Medium Risk	Group III High Risk	Group IV Highest Risk
<ul style="list-style-type: none"> Office areas 	<ul style="list-style-type: none"> Physical Therapy Radiology Respiratory Therapy 	<ul style="list-style-type: none"> Patient Care Units Laboratory Pharmacy 	<ul style="list-style-type: none"> Any area caring for immuno-compromised patients Skilled Nursing Facility Negative pressure isolation rooms

Step 2 Results: _____

Step Three: Match the **Patient Risk Group** (*Low, Medium, High, Highest*) with the planned **Type of Construction** (*A, B, C, D*) on the following matrix, to find the **Class of Precautions** (*I, II, III or IV*) or level of infection control activities required. (Class I-IV Precautions are delineated on the following page.)

Infection Control Matrix Class of Precautions: Construction Project by Patient Risk

Patient Risk Group	Types of Construction			
	Type A	Type B	Type C	Type D
Low Risk	I	II	II	III/IV
Medium Risk	I	II	III	IV
Medium-High Risk	I	II	III/IV	IV
High Risk	II	III/IV	III/IV	IV

Note: Construction Review Team approval will be required when the Type of Construction crossed with the Patient Risk Group indicate that Class III or Class IV Precautions are necessary.

Step 3 Results: _____

Description of Required Infection Control Precautions by 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 a ceiling tile displaced for visual inspection. 3. Seal holes, pipes, conduits, and punctures appropriately. 4. Clean up spilled water immediately. 	
CLASS II	<ol style="list-style-type: none"> 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 a* 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. 7. Seal holes, pipes, conduits, and punctures appropriately. 8. Clean up spilled water immediately. 	<ol style="list-style-type: none"> 1. Wipe work surface with disinfectant. 2. Contain construction waste before transport in tightly covered containers. 3. Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. 4. Remove isolation of HVAC system in areas where work is being performed.
CLASS III	<ol style="list-style-type: none"> 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. sheet rock, plywood, plastic, 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. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 4. Contain construction waste before transport in tightly covered containers. 5. Cover transport receptacles or carts. Tape covering unless solid lid. 6. Seal holes, pipes, conduits, and punctures appropriately. 7. Clean up spilled water immediately. 	<ol style="list-style-type: none"> 1. Do not remove barriers from work area until completed project is inspected by owner's Safety Department and Infection Control Department and thoroughly cleaned by the owner's Environmental Services Department. 2. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 3. Vacuum work area with HEPA filtered vacuums. 4. Wet mop area with disinfectant. 5. Remove isolation of HVAC system in areas where work is being performed.
CLASS IV	<ol style="list-style-type: none"> 1. Isolate HVAC system in area where work is being done to prevent contamination of duct system. 2. Complete all critical barriers, i.e., sheet rock, plywood, plastic, 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. Maintain negative air pressure within work site 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 they can wear cloth or paper coveralls that are removed each time they leave the work site. 6. All personnel entering 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 the owner's Safety Department and Infection Control Department and thoroughly cleaned by the owner's Environmental Services Department. 8. Clean up spilled water immediately. 	<ol style="list-style-type: none"> 1. Remove barrier material carefully to minimize spreading of dirt and 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 area with disinfectant. 6. Remove isolation of HVAC system in areas where work is being performed.

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

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

Step 5. Identify specific site of activity e.g., patient rooms, medication room, etc.

Step 5 Results

Step 6. Identify issues related to: ventilation, plumbing, electrical in terms of the occurrence of probable outages.

Step 6 Results

Step 7. Identify containment measures, using prior assessment. What types of barriers will be used? (E.g., solids wall barriers); Will HEPA filtration be required?

Step 7 Results

(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. Does the project involve the possibility of spilling water, leaking water, or otherwise creating a moist environment that might allow for fungal growth?

Step 8 Results

Construction Review Team approval and involvement will be required only when the **Type of Construction** crossed with the **Infection Control Risk Group** in Step 3 above indicates that **Class III or Class IV Precautions** are necessary. Projects that require **Class I or II Precautions** will not require review by the Construction Review Team.

Risk Assessment completed by:

Date:

Is Construction Review Team action required?

Infection Control Construction Permit

Project Description: _____

Infection Control Construction Permit					
Location of Construction:				Permit No:	
Project Coordinator				Project Start Date:	
Contractor Performing Work:				Estimated Duration:	
Supervisor:				Permit Expiration Date:	
Telephone:				Telephone:	
Yes	No	Construction Activity	Yes	No	Infection Control Risk Group
		Type A: Inspection, non-invasive activity			Group 1: Low Risk
		Type B: Small scale, short duration, low levels			Group 2: Medium Risk
		Type C: Activity generates moderate to high levels of dust, requires greater than 1 work shift for completion			Group 3: Medium/High Risk
		Type D: Major duration and construction activities requiring consecutive work shifts			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. Provide 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. Block off smoke detectors. 6. Notify Security that smoke detectors have been blocked off. 7. Wipe surfaces with disinfectant.		8. Vacuum work with HEPA filtered vacuums. 9. Wet mop with disinfectant. 10. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 11. Contain construction waste before transport in tightly covered containers. 12. Cover transport receptacles or carts. Tape covering. 13. Remove or isolate HVAC system in areas where work is being performed.	
Class III		1. Obtain infection control permit before construction begins. 2. Block off smoke detectors. 3. Notify Security that smoke detectors have been blocked off.		7. Do not remove barriers from work area until complete project is thoroughly cleaned by Environmental Services Department. 8. Vacuum work with HEPA filtered vacuums. 9. Wet mop with disinfectant.	
Date		4. Isolate HVAC system in area where work is being done to prevent contamination of the duct system.		10. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction.	
Initials		5. Complete all critical barriers or implement control cube method before construction begins. 6. Maintain negative air pressure within work site utilizing HEPA equipped filtration units.		11. Contain construction waste before transport in tightly covered containers. 12. Cover transport receptacles or carts. Tape covering. 13. Remove or isolate HVAC system in areas where work is being performed.	
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 the duct system. 3. Block off smoke detectors. 4. Notify Security that smoke detectors have been blocked off.		10. 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. 11. Do not remove barriers from work area until completed project is thoroughly cleaned by the Environmental Service Department. 12. Wet mop with disinfectant. 13. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction.	
Date		5. Complete all critical barriers or implement control cube method before construction begins. 6. Maintain negative air pressure within work site utilizing HEPA equipped filtration units.		14. Contain construction waste before transport in tightly covered containers. 15. Cover transport receptacles or carts. Tape covering.	
Initials		7. Seal holes, pipes, conduits, and punctures appropriately 8. All personnel entering work site are required to wear shoe covering. 9. Vacuum work area with HEPA filtered vacuums.		16. Remove or isolate HVAC system in areas where work is being done.	
Additional Requirements:					
_____				_____ Exceptions/Additions to this permit	
Date Initials				Date Initials are noted by attached documents.	
Permit Request By:				Permit Authorized By:	
Date:				Date:	

Infection Control Pre-Construction Activities Checklist

	Pre-construction Requirement	Indicate as Complete or Note Deficiencies
CLASS I		
CLASS II		
CLASS III	<ol style="list-style-type: none"> 1. Define the construction crew path of entry and exit from the construction zone to the staging area outside the facility, and place proper signage to keep all staff, clients, and visitors away from the construction area and path. 2. Install tacky walk-off mats at the entrance to the construction anteroom and construction zone. 3. Identify the HVAC system serving the construction area, and what other areas of the hospital are also served by this system, and develop a means of isolating the system from the construction zone. 4. Establish a means of providing a negative pressure in the construction zone relative to adjacent areas, with exhaust filtered as required based on contaminants. e) Define the construction crew path of entry and exit from the construction zone to the staging area outside the facility, and place proper signage to keep all staff, clients, and visitors away from the construction area and path. 	
CLASS IV	<ol style="list-style-type: none"> 1. Define the construction crew path of entry and exit from the construction zone to the staging area outside the facility, and place proper signage to keep all staff, clients, and visitors away from the construction area and path. 2. Install tacky walk-off mats at the entrance to the construction anteroom and construction zone. 3. Identify the HVAC system serving the construction area, and what other areas of the hospital are also served by this system, and develop a means of isolating the system from the construction zone. 4. Establish a means of providing a negative pressure in the construction zone relative to adjacent areas, with exhaust filtered as required based on contaminants. 5. Define the construction crew path of entry and exit from the construction zone to the staging area outside the facility, and place proper signage to keep all staff, clients, and visitors away from the construction area and path. 	

Infection Control Activities During Construction Monitoring Checklist

	Requirements	Indicate as Satisfactory or Note Deficiencies
CLASS I	<ol style="list-style-type: none"> 1. Execute work by methods to minimize raising dust from construction operations. 2. Immediately replace a ceiling tile displaced for visual inspection. 3. Seal holes, pipes, conduits, and punctures appropriately. 4. Clean up spilled water immediately. 	
CLASS II	<ol style="list-style-type: none"> 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 a* 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. 7. Seal holes, pipes, conduits, and punctures appropriately. 8. Clean up spilled water immediately. 	
CLASS III	<ol style="list-style-type: none"> 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. sheet rock, plywood, plastic, 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. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 4. Contain construction waste before transport in tightly covered containers. 5. Cover transport receptacles or carts. Tape covering unless solid lid. 6. Seal holes, pipes, conduits, and punctures appropriately. 7. Clean up spilled water immediately. 	
CLASS IV	<ol style="list-style-type: none"> 1. Isolate HVAC system in area where work is being done to prevent contamination of duct system. 2. Complete all critical barriers, i.e., sheet rock, plywood, plastic, 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. Maintain negative air pressure within work site 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 they can wear cloth or paper coveralls that are removed each time they leave the work site. 6. All personnel entering 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 the owner's Safety Department and Infection Control Department and thoroughly cleaned by the owner's Environmental Services Department. 8. Clean up spilled water immediately. 	

Infection Control Post-Construction Clean-up Checklist

	Clean-up Requirements Upon Completion of Project	Indicate as Complete or Note Deficiencies
CLASS I		
CLASS II	<ol style="list-style-type: none"> 1. Wipe work surface with disinfectant. 2. Contain construction waste before transport in tightly covered containers. 3. Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. 4. Remove isolation of HVAC system in areas where work is being performed. 	
CLASS III	<ol style="list-style-type: none"> 1. Do not remove barriers from work area until completed project is inspected by owner's Safety Department and Infection Control Department and thoroughly cleaned by the owner's Environmental Services Department. 2. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 3. Vacuum work area with HEPA filtered vacuums. 4. Wet mop area with disinfectant. 5. Remove isolation of HVAC system in areas where work is being performed. 	
CLASS IV	<ol style="list-style-type: none"> 1. Remove barrier material carefully to minimize spreading of dirt and 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 area with disinfectant. 6. Remove isolation of HVAC system in areas where work is being performed. 	