



Section	Psychiatric Health Facility (PHF)	Effective:	9/28/16
Sub-section	Infection Control		
Policy	Hospital Construction and Renovations	Last Revised:	New policy
Policy #			
Director's Approval	_____	Date	_____
	Alice Gleghorn, PhD		
PHF Medical Director's Approval	_____	Date	_____
	Leslie Lundt, MD		
Supersedes:	New policy	Audit Date:	9/28/19

1. PURPOSE/SCOPE

- 1.1. To prevent the acquisition or transmission of healthcare associated infections (HAI) to patients, visitors and healthcare workers during facility construction and renovation.
- 1.2. This policy applies to all construction and renovation activities involving general and prime contractors, subcontractors, material suppliers, vendors, county and departmental plant operations and maintenance staff, infection control practitioners, facility administrators and other staff members.

2. POLICY

- 2.1. In accordance with the Psychiatric Health Facility's (PHF) Infection Control Plan and Program, all construction and renovation projects and activities shall be a collaborative and coordinated effort. This policy outlines the PHF's program for prevention of HAIs associated with these activities. The Infection Control Preventionist (ICP), PHF Facilities Manager and contractors are responsible for integrating the infection prevention and control principles in this policy throughout the planning, management and completion of each project.
- 2.2. An *Environmental Safety and Infection Control Risk Assessment* (see Attachment A) shall be conducted prior to the commencement of any construction or renovation. Assessment results and required infection control precautions and interventions shall be documented on the *Infection Control Construction Permit* (see Attachment B).

3. CONTRACTOR REQUIREMENTS

- 3.1. The PHF Facilities Manager will be responsible for reviewing any requirements of the facility with the general contractor and subcontractor prior to the start of any construction or renovation set-up.
 1. For significant projects that will require substantial planning and set-up (Type B, Class 2 or greater), a Scope of Work will be submitted prior to the start of the project. Please refer to the *Environmental Safety and Infection Control Risk Assessment* (Attachment A) for further details on project types and classifications.
- 3.2. Contractors will make each subcontractor aware that the project is a critical component of the facility and that operation of the existing facilities must continue without interruption during the construction period, except as the PHF Chief Executive Office (CEO) and county executives may otherwise direct.
- 3.3. Construction work will occur in stages to accommodate use of premises during construction.
- 3.4. Plumbing, heating, ventilating, electrical and telephone systems will continue to function with no unscheduled interruptions in service. Supplemental temporary mechanical and electrical utilities will be provided by the contractor, as required, to offset lost utilities. The contractor will maintain an acceptable functional environment at all times throughout the entire facility.

4. SCHEDULED INTERRUPTIONS

- 4.1. The Contractor will submit for review a detailed schedule of any proposed interruptions of utilities and environmental services prior to commencing construction. Proposed supplemental temporary sources of utilities will be included.
- 4.2. Scheduled interruptions of service will be made after advance notice is given and approved.

ASSISTANCE

Charlotte Balzer-Gott, RN, PHF Nursing Supervisor

Charlotte Elise McKee, MSN, PHN, RN, CIC

REFERENCE

CDC Guidelines for Environmental Infection Control in Health-Care Facilities, 2003.

ATTACHMENTS

Attachment A – Environmental Safety and Infection Control Risk Assessment

Attachment B – Infection Control Construction Permit

REVISION RECORD

DATE	VERSION	REVISION DESCRIPTION

Culturally and Linguistically Competent Policies

The Department of Behavioral Wellness is committed to the tenets of cultural competency and understands that culturally and linguistically appropriate services are respectful of and responsive to the health beliefs, practices and needs of diverse individuals. All policies and procedures are intended to reflect the integration of diversity and cultural literacy throughout the Department. To the fullest extent possible, information, services and treatments will be provided (in verbal and/or written form) in the individual's preferred language or mode of communication (i.e. assistive devices for blind/deaf).

Attachment A

Environmental Safety & Infection Control Risk Assessment		
1 – General Information		Date:
Project:		Project Classification:
Project Location:		FPC-
Project Manager:	Phone Number:	
Start Date:	End Date:	
Work Activities:		
ESICRA		
Department	Print Name	Signature
Chief Financial Officer		
FP&C Project Manager		
EC Safety Officer		
Infection Control Practitioner		
Physical Plant Director		
Environmental Services Director		
Risk Manager		
Architect		
Contractor		
Department Director		
Chief Operating Officer		
Other		
DEPARTMENTS AFFECTED		
<p style="text-align: center;">Vertical Flooring</p> <p>Above:</p> <p style="text-align: center;">_____</p> <div style="border: 1px solid black; width: 100px; height: 30px; margin: 10px auto; text-align: center;">Project</div> <p>Below:</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">SECTION VIEW</p>	<p style="text-align: center;">Horizontal Flooring</p> <p>North:</p> <p style="text-align: center;">_____</p> <p>West:</p> <p style="text-align: center;">_____</p> <p>East:</p> <p style="text-align: center;">_____</p> <p>South:</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">PLAN VIEW</p>	
Comments:		

Attachment A (Cont.)

Types of Construction Activity	
Type	Description
A	<p>Inspection and non-invasive activities Include, but not limited to:</p> <ul style="list-style-type: none"> * The removal of ceiling tiles for visual inspection (limited to one tile per 50 sq. ft). * Painting (but not sanding). * Wall covering, electrical trim work, minor plumbing, and activities that do not generate dust or
B	<p>Small-scale, short-duration activities that create minimal dust Include, but are not limited to</p> <ul style="list-style-type: none"> * The installation of telephone and computer cabling. * Access to chase spaces. * The cutting of wall or ceilings where dust migration can be controlled
C	<p>Work that generates a moderate to high level of dust or requires demolition or removal of any fixed Include, but are not limited to</p> <ul style="list-style-type: none"> * The sanding of wall for painting or wall covering * The removal of floor coverings, ceiling tiles, and casework * New-wall construction * Minor duct-work or electrical work above ceilings * Any activity that cannot be completed within a single work shift
D	<p>Major demolition and construction projects Include, but are not limited to</p> <ul style="list-style-type: none"> * Activities that require consecutive work shifts * Activities that require heavy demolition or the removal of a complete cabling system * New construction

Patient Risks Group			
Low Risk	Medium Risk	High Risk	Highest Risk
Clinic Areas	Radiology/MRI	EKG/Laboratories (specimen)	Isolation Room
General Storage	Outpatient Clinics	Pharmacy	Negative Pressure
Volunteer Services	Optometry	Minor OR/Procedure Room	Central Sterile Supply
Medical Records	Contract Services	Triage/Emergency Room	Oncology
Meeting/Class Room		Laser Treatment Areas	Operating Room
Environmental Services		Photography	Anesthesia
		Echography	

Attachment A (Cont.)

2 – Infection Control Risk Assessment (ICRA)		"Primary Containment Area"			
		CONSTRUCTION ACTIVITY TYPE			
PATIENT RISK GROUP	Type A	Type B:	Type C:	Type D:	
	Inspection and Non-Invasive Activity	Small scale, short duration activities creating minimal dust	Activity generates moderate to high levels of dust or requires demolition or removal of building components, or requires greater than 1 day for	Major demolition or construction activities requiring consecutive work shifts	
● LOW	I	II	II	III/IV	
● MEDIUM	I	II	III	III/IV	
● HIGH	I	II	III/IV	IV	
● HIGHEST	II	III/IV	III/IV	IV	
Note: Provide additional ICRA's for "Secondary Containment Areas" (if applicable) and attach to the end of this document.					
INTERIM INFECTION CONTROL MEASURES (Check all that apply)					
CLASS I	<input type="checkbox"/> Execute work by methods to minimize raising dust from construction operations. <input type="checkbox"/> Immediately replace ceiling tile displaced for visual inspection.			<input checked="" type="checkbox"/> Wet mop and/or vacuum before leaving area.	
CLASS II	<input type="checkbox"/> Provide active means to prevent airborne dust from dispersing into atmosphere. <input type="checkbox"/> Seal unused doors with tape. <input type="checkbox"/> Block off and seal air vents. <input type="checkbox"/> Place dust mat at entrance and exit of work area. <input type="checkbox"/> Isolate HVAC system in areas where work is being performed. <input type="checkbox"/> Water mist work surfaces to control dust.			<input type="checkbox"/> Contain construction waste in tightly covered containers before transporting. <input type="checkbox"/> Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. <input type="checkbox"/> Wipe surfaces with water. <input type="checkbox"/> Remove isolation of HVAC.	
CLASS III	<input type="checkbox"/> Isolate HVAC system in area work is being performed to prevent contamination of duct system. <input type="checkbox"/> Complete all critical barriers, (sheetrock, 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) <input type="checkbox"/> Seal holes, pipes, conduits and punctures appropriately. Place dust mat at entrance and exit of work area. <input type="checkbox"/> Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. <input type="checkbox"/> Contain construction waste and transport in tightly covered & sealed containers before transporting.			<input type="checkbox"/> Do not remove barriers until area is inspected by CRA Group and thoroughly cleaned by Environmental Services Department. <input type="checkbox"/> Remove barrier materials carefully to minimize spreading of dirt and debris. Transport in tightly covered & sealed containers. <input type="checkbox"/> Vacuum work area with HEPA filtered vacuums. <input type="checkbox"/> Wet mop area with disinfectant. <input type="checkbox"/> Remove isolation of HVAC system.	
CLASS IV	<input type="checkbox"/> Isolate HVAC system in area where work is being done to prevent contamination of duct system Seal unused doors with tape. <input type="checkbox"/> Complete all critical barriers, (sheetrock, 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) <input type="checkbox"/> Seal holes, pipes, conduits and punctures appropriately. <input type="checkbox"/> Construct ante room & require all personnel to pass through so they can be vacuumed using a HEPA vacuum cleaner before leaving work area or they can wear cloth or paper coveralls that are removed each time they leave the work area. <input type="checkbox"/> Personnel entering work area are required to wear shoe covers. Shoe covers must be changed each time worker exits work area. <input type="checkbox"/> Contain construction waste and transport in tightly covered & sealed containers before transporting. <input type="checkbox"/> Maintain negative air pressure within work site utilizing HEPA equipped air filtration			<input type="checkbox"/> Do not remove barriers until area is inspected by PRA Group and thoroughly cleaned by Environmental Services Department. <input type="checkbox"/> Remove barrier material carefully to minimize spreading of dirt and debris. Transport in tightly covered sealed containers. <input type="checkbox"/> Vacuum work area with HEPA filtered vacuums. <input type="checkbox"/> Wet mop area with disinfectant. <input type="checkbox"/> Remove isolation of HVAC system.	

Attachment B

Santa Barbara County Psychiatric Health Facility Infection Control Construction Permit

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, Moderate to high levels			GROUP 2: Medium Risk
		TYPE C: Activity generates moderate to high levels of Dust, requires greater 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 4. Other _____		
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. Remove or isolate HVAC system in areas where work is being performed. 10. Other _____		
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.	1. Contain construction waste before transport in tightly covered containers. 2. Vacuum work with HEPA filtered vacuums. 3. Wet mop with disinfectant. 4. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 5. Contain construction waste before transporting. 6. Cover transport receptacles or carts. Tape covering. 7. Remove or isolate HVAC system in areas where work is being performed 8. Other _____		
Date					
Initial					
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 Department. 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. Remove or isolate HVAC system in areas where is being done. 15. Other _____		
Date					
Initial					
Project Description:			Estimated Duration:		
Inspections (Circle): Daily Weekly Every Other Day Twice Per Week Other _____					
Permit Request By:			Permit Authorized By:		
Date:			Date:		

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