Infectious Control Construction Precautions

Class	Precautions	
Class I	1. Execute work by methods to minimize raising dust. (inside and outside) 2. Immediately replace ceiling tiles removed for inspection. 3. Transportation route or storage for clean supplies not near contaminated materials	4. Worker traffic routes should minimize contact with patients. 5. Minimize exposure of patients to construction and maintenance.
Class II	***In Addition to Class I Precautions:*** 1. Consult Infection Control Nurse prior to beginning work. 2. Educate VA staff regarding construction activity. 3. Block & seal air vents before starting. (1C22 and 1C24) 4. Coordinate air filter maintenance with Operations. 5. Contain area to one room with walls from floor to ceiling. 6. Close non-access doors and duct tape frames and doors. 7. Transport debris in covered containers that are wiped down.	8. Wet mop area daily & place "tack" mats at all entrances/exits. Refresh tack mats frequently (at least daily). 9. Use HEPA vacuum to capture dust during dust-producing work. 10. Remove and replace wet ceiling tiles if the porous type. 11. If ceiling tiles are nonporous, remove and clean with hospital approved disinfectant and dry before replacement. 12. Use only designated elevators (e.g. utility) for debris removal.
Class III	***In Addition to Class I and II Precautions Above:*** 1. Consult Infection Control Nurse prior to beginning work. 2. Install dust partitions (including work in ceilings) prior to start. Partitions must be well-sealed from floor to ceiling. (Solid Wall) 3. Remove dust partitions carefully to minimize spread of dust & dirt. 4. Mist debris-removal chutes & dumpsters. 5. Assure adjacent air filtering systems are functioning. 6. Maintain negative pressure in construction area.	***Prior to Patient Occupancy:*** Water lines flushed at site & adjacent areas. Vent system cleaned & balanced after completion of construction. Construction area thoroughly wet mopped and disinfected. Check room temperatures and adjust if needed.
Class IV	***In Addition to Class I, II, and III Precautions Above:*** 1. Consult Infection Control Nurse 2. Relocate patients to area remote from construction area. Rooms 1C22 and 1C24 closed to patients	

Project Name / EWO Description: Metasys Controls and Energy Upgrade Phase II — **Project # / EWO # 660-11-110**
Location of Activity: — **Start Date: July 1 2011** — **Estimated Duration: January 2013**
Project Manager: Leon Jones — **Contractor: TBD** — **ICN: Susan O'Connor - Wright**
Project Manager Phone #: 801-582-1534 — **Contractor Phone #:** — **ICN Phone #: ext. 1708**

STEP #1: Select Risk Group Below and Mark Bottom of Column

A) INFECTION CONTROL RISK GROUPS

Group 0	Group 1	Group 2 - Medium Risk		Group 3 - Medium High Risk
Lowest Risk	**Low Risk**	Laboratories	Imaging	Emergency Room (ECU)
Nonmedical associated spaces (no patient activity)	Office Areas (associated with patient activity)	3 West	Laundry	Post Antesthesia Care
		Acute Medicine (2 East, 2 North)	Nuclear Medicine	All ICUs
		B.2	Out Patient Clinics	
		B.3 Inpatient Mental Health Ward	Out Patient Surgery	**Group 4 - Highest Risk**
		Canteen Kitchen	Patient Kitchen & Dining	All OR's
		Cardiology	Pharmacy (In & Out Patient)	Sterile Processing
		Decontamination	PT / OT	Ambulatory Medicine Unit (2 West)
		Dental	Public Corridor (patient activity)	Cardiac Cath/Angiography
		Distribution	Pulmonary / Bronchoscopy	Dialysis Unit
		G.I. Lab	Telemetry	Pharmacy IV Prep (Inpatient)
		Hoptel		

STEP #2: Select Activity Type Below:

B) CONSTRUCTION ACTIVITY TYPES:

Type A Inspection and Non-Invasive Activities, includes but is not limited to, manipulation of ceiling tiles, painting (but not sanding), wallcovering, electrical trim work, minor plumbing, installation of telephone and computer cabling, and activities which do not (1) generate dust or (2) require cutting of walls.

Type B Small scale, short duration activities which create minimal dust. Includes, but is not limited to, (1) access to chase spaces, (2) cutting of walls or ceilings, where dust migration can be controlled.

Type C Any work which generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies. Includes, but is not limited to, (1) sanding of walls for painting or wall covering, (2) removal of floorcoverings, (3) multiple ceiling panels and (4) casework, (5) new wall construction, (6) minor duct work or (7) electrical work above ceilings, (8) major cabling activities, and (9) any activity which can be contained within a single workshift.

Type D Major demolition and construction projects. Includes, but is not limited to, (1) activities which require consecutive work shifts, (2) requires heavy demolition or (3) removal of a complete cabling system, (4) new construction. and (5) any activity which cannot be contained within a single workshift.

STEP 3: Determine Class of Precautions Using Matrix Below:

CONSTRUCTION ACTIVITY/INFECTION CONTROL MATRIX TO DETERMINE CLASS

** ICN must be consulted when the assessment indicates that Class II, III, or IV precautions are required.

Construction Activity Type

Risk Level	Type "A"	Type "B"	Type "C"	Type"D"
Group 0	Refer to OSHA Requirements	Refer to OSHA Requirements	II	II
Group 1	I	I	II	III
Group 2	I	II	III	IV
Group 3	I	II	III / IV	IV
Group 4	II	III	III / IV	IV

INTERIM LIFE SAFETY MEASURES ASSESSMENT

Metasys Controls and Energy Upgrade Phase II 660-11-110:	YES/NO	A) Notify Emergency Forces / Implement Fire Watch	B) Post signage identifying location of alternate exits.	C) Special measures	D) Inspect exits in affected area daily	E) Ensure fire alarm and detection systems or equivalent	F) Additional fire-fighting equipment	G) Temporary construction barriers	H) Hazard surveillance of bldgs., grounds, equipment	I) Enforce storage, hskping, and debris removal	J) Additional training on use of fire-fighting equipment.	K) Conducting 1 Additional Fire Drills Per Shift in Area	L) Inspect, Test, Document temporary systems monthly.	M) Education of bldg. defs., construction hazards, ILSMs.	N) Training for impaired structural or compartmental fire safety features..
Patient room door latching problem	NO														
Lacking a code complying fire or smoke barrier	NO														
Fire exit stairs discharge improperly	NO														
Excessive travel distance to an approved exit	NO														
Lack of two remote exits	NO														
Nonconforming building construction type	NO														
Improperly protected vertical openings	NO														
Large penetrations in fire or smoke barriers	NO														
Corridor walls do not extend to the structure (or to drop ceiling smoke seal)	NO														
Hazardous areas not properly protected	NO														
Blocking off an approved exit	NO														
Rerouting emergency room traffic	NO														
Major renovation of an occupied floor	NO														
Replacing fire alarm system (out of service) > 4 hrs. / 24 hr. period	NO														
Installing a sprinkler system (out of service) > 4 hrs. / 24 hr. period	NO														
Significantly modifying smoke or fire barrier walls	NO														
Adding an addition to an existing structure	NO														
Taking a fire alarm system off-line	NO														
Taking a sprinkler system off-line	NO														
Disconnecting alarm devices	NO														
Other															
Additional Assessment Notes :															

Assessment Performed by: ______________________ Date: __________

Safety Officer Review: ______________________ Date: __________

Construction Safety Risk Assessment Checklist, VA Salt Lake City Healthcare System

Project Name: Metasys Controls and Energy Upgrade Ph II
Project Number: 660-11-110
Date: 5/2/2011
Project Manager: Leon Jones

Hazard Likelihood: High: 76% - 100% Medium: 51% - 75% Low: 0% - 50%

Identify Hazards	Evaluator	Is Hazard Likely? H-M-L	Severity H-M-L	Mitigation Needed? Y/N	Mitigation Strategies	Mitigation Strategies Implemented?	Comments
Hazard Communication	THJ	L	L	Y	MSDS required to be maintained on site by contractor		
Respiratory Protection	THJ	L	L	Y	respiratory protection required when air debis present		
Personal Protective Equipment	THJ	M	M	Y	hearing protection Steel toed boots, clothing when required.		
Fire Protection	THJ	L	L	Y	contractor required to follow VA hot work permit procedure& VA Interim Life Safety Measure		
Traffic Control & Site Security	THJ	L	L	Y	Work affecting traffic flow or site security must be coordinated with VA		
Wire Rope and Rigging Equipment	THJ	L	L	Y	OSHA Procedure to be followed		
Demolition	THJ	M	M	Y	Any work causung noise or vibration to interior Of Medical Center must be coordinated with VA		
Hand and Power Tools	THJ	M	M	Y	OSHA Procedure to be followed		
Electrical	THJ	M	M	Y	All hot work on electrical systems must receive prior approval by VA		
Lockout / Tagout	THJ	M	H	Y	Lockout tagout procedure required in contractor submitted Safety plan (pre-construction)		
Welding and Cutting	THJ	L	L	Y	VA signed hot work permit required to be obtained by contractor		
Confined Spaces	THJ	L	L	Y	OSHA Procedures & VA Confined Space Policy must be followed		
Tunnels and Shafts	THJ	L	L	Y	OSHA Procedures & VA Confined Space Policy must be followed		
Identify Hazards	**Evaluator**	**Is Hazard Likely? H-M-L**	**Severity H-M-L**	**Mitigation Needed? Y/N**	**Mitigation Strategies**	**Mitigation Strategies Implemented?**	**Comments**
Process Safety Management - Piping Systems	THJ	M	M	Y	Coordination with VA for affects on existing systems		
Cranes and Hoists	THJ	M	M	Y	Rigging Plan to be approved by VA. Prventative maintenance logs required on site		
Steel Erection	THJ	L	L	Y	OSHA procedured to be followed		
Fall Protection	THJ	H	H	Y	OSHA procedured to be followed		
Scaffolds	THJ	M	M	Y	OSHA procedured to be followed		
Ladders	THJ	M	M	Y	OSHA procedured to be followed		
Trenching and Excavation	THJ	L	L	Y	OSHA procedured to be followed		
Motor Vehicles, Earthmoving, and Mechanized	THJ	L	L	Y	Prventative maintenance logs required on site		
Concrete and Masonry	THJ	L	L	Y	OSHA procedured to be followed		
Lead, Asbestos, and Silica	THJ	M	L	Y	Coordination with VA required to identify all accessible suspect ACM building materials in affected facility where demolition will occur		
Utility Interruptions	THJ	M	H	Y	Must receive approval from VA		
Dust	THJ	L	L	Y	respiratory protection required when air debis present. Dust partitions must be utilized as needed		
Moisture/Water Leaks	THJ	M	M	Y	Notification to VA required for all moisture/Water leaks		
Vapors/Fumes	THJ	L	L	Y	Anything that may introduce vapor fumes to interior of Medical Center must be coordinated with VA prior to commencement		
Noise	THJ	M	M	Y	Any work causung noise to interior Of Medical Center must be coordinated with VA		
Identify Hazards	**Evaluator**	**Is Hazard Likely? H-M-L**	**Severity H-M-L**	**Mitigation Needed? Y/N**	**Mitigation Strategies**	**Mitigation Strategies Implemented?**	**Comments**
Vibration	THJ	L	L	Y	Any work causing vibration to interior Of Medical Center must be coordinated with VA		
Open Outside Walls	THJ	L	L	N	All site security deficiencies that may be introducedmust be coordinated with VA		
Impact to Levels Above and Below	THJ	L	L	Y	Coordinate with VA prior to impact to facility		
Proximity of Air Intakes	THJ	M	M	Y	Relocation of Intake		
Pest Control within Construction Area	THJ	L	L	Y	Pest control precautions must be utilized for any openings introduced to existing facility		

Approval Signatures:

Project Manager: Leon Jones — Date: ______
Contractor: TBA — Date: ______
Safety Manager: Owen Motter — Date: ______
Svc./Section/Program Director: Mike Lemmert — Date: ______

____
INFECTION CONTROL

____
SAFETY OFFICER

____
AFGE Representative

____
PATIENT SAFETY

____
ENERGY ENGINEER

____
EMERGENCY MANAGEMENT

____
VA POLICE

____
GEMS COORDINATOR

____
CONTRACTING OFFICER

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Building Number:

Drawing Number: CS002 Dwg. 2 of 14

Office of Construction and Facilities Management
Department of Veterans Affairs

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