PCRA Replace heat exchanger building 1

Preconstruction Risk Assessment (ICRA/PCRA)

Coatesville VAMC

Request #302

Initiated by William Strong

Submitted 3/31/2026

OSH Approve: Concurred by vhacoafluckj 3/31/2026

1: General

1.1: Location of Construction: Building # *	building 1
1.2: Project Coordinator *	William Strong
1.3: Contractor Performing Work *	TBD
1.4: Supervisor *	Thomas Carter
1.5: Project Start Date *	05/01/2026
1.6: Estimated Duration (days) *	365
1.7: Permit Expiration Date *	04/30/2027
1.8: Telephone # *	3535
1.9: Description of Project *	Replace heat exchangers in building 1 mechanical room

2: Construction Activities

2.1: The following projects do not require completion of the Pre-Construction Risk Assessment form:

1. Paint and wallpaper in business offices and non-patient areas.
2. Paint in patient room if closed for painting and less than 3 sq. ft. of wall needs patched. Filter fo room unit changed after painting.
3. Installation of soap dispenser/needle box/paper towel holder in patient room

 Continued on the next page.

4. Repair of window blind.

5. Ceiling tile replacement for areas less than 50% of the total square footage of the room, if not i business offices and non-patient areas.

6. Ceiling tile replacement for area less than Five 2 X 2 tiles in a patient area if patient is out of th immediate area and clean up can be accomplished before patient returns.

7. Minimum repair of nurse call system/TV/Bed/Telephone.

8. Check or replace electric outlet.

9. Replace light bulb.

10. Unstop sink/commode with no water on floor.

11. Unstop commode when water on floor requires maintenance to have Housekeeping clean are immediately.

12. Repair medical gas outlet. (Front Body)

13. Air balance readings.

2.2: Will there be noise generated that will impact a department adjacent to, above, or below the construction area? *

[X] No

2.2.1: If yes, these departments must be notified. Check the box below acknowledging notification requirement.

[ ]

2.2.2: If yes, how are you going to reduce the noise to an acceptable level?

2.3: Will there be vibration generated that will impact a department adjacent to, above, or below the construction area? *

[X] No

2.3.1: If yes, these departments must be notified. Check the box below acknowledging notification requirement.

[ ]

2.3.2: If yes, how are you going to reduce the vibration to an acceptable level?

3: Environment Hazards

3.1: Will hazardous chemicals be used on this project? *

[X] No

3.1.1: If yes, Safety Data Sheets (SDS) are required. Submittal must list anticipated chemical to be used on site. Check the box below to acknowledge this requirement.

 Continued on the next page.

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☐

3.1.2: If yes, how will vapors, odors and fumes be controlled?

3.2: Is asbestos abatement required on this project? *

☒ No

3.2.1: If yes, contractor must provide a state complaint exposure control plan before abatement can occur. Check the box below to acknowledge this requirement.

☐

3.3: Is lead abatement required on this project? *

☒ No

3.3.1: If yes, contractor must provide a state complaint exposure control plan before abatement can occur. Check the box below to acknowledge this requirement.

☐

3.4: Will there be hot work done on this project? *

☒ Yes

3.4.1: If yes, a hot work permit must be posted on the job site. All hot work must have a fire watch assigned to each area while hot work is being performed.
Check the box below to acknowledge this requirement.

☒ Acknowledged

3.5: Will there be a Confined Space Entry required on this project? *

☒ No

3.5.1: If yes, contractor must a provide a written confined space plan / program compliant with OSHA regulations. Government employees must follow the Medical Centers Confined Space program requirements.
Check the box below to acknowledge this requirement.

☐

4: Utility Failures

4.1: Will any of the following systems be out of service at any time during this project? *

☒ Fire Alarm (contact Fire Department, ISLM) ☒ Sprinkler (contact Fire Department, ILSM)

☒ HVAC

4.2: Will there be any work that will require activation of the Interim Life Safety Measures during this project? Some things that trigger ILSM's to be implemented are but not limited to:

Any construction that impacts an EXIT or stairs,
Any construction that impacts major breaches in a fire or smoke wall,
Taking the main fire protection system out of service (sprinkler),
Taking the main fire alarm system out of service,
Taking the "area" fire or fire alarm systems out of service for more than 4 hours within a 24-hour period. *

☒ Yes

4.2.1: If yes, explain condition below. Implementation of the ILSM requires a fire watch and the ILSM forms to be completed (forms are to be obtained from the

Fire alarm and sprinkler shutdowns

 Continued on the next page.

5: Additional Safety Concerns

5.1: Will construction affect exit routes from occupied areas adjacent to construction site? *

[X] No

5.1.1: If yes, how?

5.2: Will project affect traffic patterns in area? *

[X] No

5.2.1: If yes, how?

5.3: The following must be completed prior to any construction activity. Check box to acknowledge requirement: *

[X] Separation wall must be constructed prior to project start

[X] Fire protection system must remain intact

[X] Provide fire extinguisher in work area

[X] Maintain exit lights in work area

[X] Maintain negative air in construction area (24/7) through the duration of project

[X] No return air from within the construction areas into rest of building

[X] Redirect existing not to through construction area

[X] Post signs on doors to construction area, "Construction Area - Do Not Enter"

[X] Maintain daily log and keep a current Hot Work Permit

[X] Place tacky mats at door interior and exterior construction area

[X] All debris removal must be by covered cart

[X] Maintain clean and orderly work area

6: Air Quality and Infection Control

The construction activity types are defined by the amount of dust that is generated, the duration of the activity, and the amount of shared HVAC systems. Contact CVAMC's Safety Office and Infection Preventionist if any activity is questionable under these guidelines.

6.1: Will dust be generated during this project? *

[X] Yes

6.1.1: If yes, explain location of and plan for interim dust barriers or attach floor plan with barriers clearly marked.
DUST BARRIERS, ICRA WALLS WILL BE IN PLACEAND MAINTAINED FOR THE DURATION OF THE PROJECT

Work contained to mechanical room.

 Continued on the next page.

6.2: Will debris removal be necessary? *

[X] Yes

6.2.1: If yes, explain plan for debris removal and control.
DEBRIS CARTS AND DUMPSTERS WILL BE USED AND COVERED

debris removed in covered carts

6.3: Will work be done in a sterile area? *

[X] No

6.3.1: If so, how are you going to maintain sterile atmosphere in work area and access to and from work area?

6.4: The following infection prevention measures are required for all projects.
Check the boxes to acknowledge IP requirement. *

[X] Negative airflow ventilation and filtration in place and assessed for effectiveness

[X] Exhaust fans in place and functioning

[X] Supply ducting closed to adjacent patient and business areas

7: Construction Activity Type

7.1: Type A- Inspection and Non-Invasive Activities or Small scale, Short duration activities

[ ]

7.1.1: If checked, describe work to be completed:

7.2: Type B - Small scale, short duration activities that create minimal dust.

[ ]

7.2.1: If checked, describe work to be completed

7.3: Type C - Any work that generates a moderate to high level of dust or requires demolition of any fixed building components or assemblies.

[ ]

7.3.1: If checked, describe work to be completed.

7.4: Type D - Major demolition and construction projects

[X] Will require heavy demolition or removal of a complete ceiling system

[X] Activities which require consecutive work shifts

7.4.1: If checked, describe work to be completed.

Replacement of heat exchangers and associated piping

 Continued on the next page.

8: Infection Control Risk Group *			
Group 1 - Lowest	Group 2 - Medium	Group 3 - High	Group 4 - Highest
Utility area	N/A	N/A	N/A

9: Classification of Required Preventive Measures	
9.1: Risk Designation *	
Construction Activity (step 7)	Infection Control Risk Group
Type D: Major duration and construction activities requiring consecutive work shifts	Group 1: Lowest Risk

9.2: Classification *			
Type A	Type B	Type C	Type D
N/A	N/A	N/A	Group 1 = Class 3/4

9.3: An Infection ControlSafety Construction Permit is required for Class III or higher projects. Refer to Construction Activity/Risk Group Matrix (above).

10: Classification Requirements

10.1: Class 1

1. Execute work by methods to minimize raising dust from construction operations. 2. Immediately replace any ceiling tile displaced for visual inspection.

10.2: Class 2

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. Wipe surfaces with disinfectant. 5. Block off an seal air vents.6. Contain construction waste before and during 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 as needed. 9. Remove or isolate HVAC system in areas where work is being performed.

10.3: Class 3 -

1. Obtain infection control permit before construction begins. 2. Isolate HVAC system in are where work is being done to prevent contamination of the duct system. 3. Complete all critical barriers before construction begins. 4. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 5. Contain construction waste before and during transport in tightly covered containers. 6. Seal holes, pipes, conduits, ect. appropriately. 7. Place dust mast at entrance and exit of work areas. Replace when fowled. AFTER WORK IS COMPLETED9, Remove

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barrier material carefully to minimize spreading of dire an debris associated with construction. 10. Remove isolation of HVAC system.
10.4: Class 4 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 required all personnel to pass through this room so hey cab vacuumed using a HEPA vacuum cleaner before leaving work site or the 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 covers8. Contain construction waster before and during transport in tightly covered containers. Cover transport receptacles or carts. Tape covering. 9. Do not removed barriers from work area until completed project is inspected by Safety and Infection prevention and thoroughly cleaned. AFTER WORK IS COMPLETED:10. Vacuum work area with HEPA filtered vacuums.11. Wet mop with disinfectant. 12. Remove barrier materials carefully to minimize spreading of dire and debris associated with construction. 13. Remove isolation of HVAC system.
10.5: Additional Concerns for all Classes: 1. SIGNITURE OF RECORD ALL ONSITE CONSTRUCTION WORKERS FOR REVIEW OF FIR AND LIFE SAFETY PROCEDURES AT COATESVILLE VAMC. 2. REVIEW OF INFECTION PREVENTION TRAINING AND CONSTRUCTION SAFETY CHECK LIST. 3. Maintain manpower and equipment including dust mops, wet mops, brooms, buckets, and clea wiping rags for cleaning fine dust from floors within the work area (when appropriate) and adjacent occupied areas. 4. Contain work areas outside of construction barriers, including spaces above ceilings, with full height polyethylene sheet barrier that will be extended to the deck of the space and will be tightly taped. 5. Clean up dust tracked outside of construction area immediately. 6. Temporary construction barriers and closures above ceiling must be sealed as described in #4 above.

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7. Removal of debris must be in covered containers.

8. Intermediate jobs that create a moderate amount of dust inside room and is made negative by use of HEPA-equipped unit

with minimum 10 ACH, and all air discharged outside, HEPA unit must run 2 hours after completion of job and

Housekeeping must clean room before unit is removed from room. All work and use of HEPA unit must be documented and

Copy forward to Infection Prevention and Control and Safety. NOTE: all duct vents and Fan Coil Units to be sealed off during construction.

9. All water lines inactivated for greater than 72 hours must be thoroughly flushed. New piping will be flushed and disinfected prior to use.

10.6: Additional Requirements or concerns:

10.6.1: This project is a: *

Type	Group	Class
A	4	3

10.6.1.1: SUBMIT EMERGENCY PROCEDURES TO BE POSTED

POST PCRA AND APPROPRIATE CONSTRUCTION SIGNAGE FOR LIMITED ACCESS AND PROPER PPE IN WORK AREA

CONTRACTOR TO NOTIFY COATESVILLE VAMC CO, COTR, POLICE AND SAFETY OFFICE IF A FEDERAL OR STATE REGULATOR ARRIVE ONSITE TO INSPECT JOBSITE.

TB risk assessment: for 2020 probability/severity is a 2, which requires continuing evaluation including the annual risk assessment for Coatesville VMAC (CY 2019) places the facility in what the CDC defines as low risk.. Based on the number of infectious TB patients hospitalized in the last year (<6) and TST/QuantiFeron conversion data among healthcare workers the risk is low for transmission. The risk of tuberculosis transmission within the facility will be assessed annually and as needed. Contract employees working in an area where there is known TB or those working on local exhaust ventilation (or within 25 feet of labeled biohazard exhaust vent) airborne isolation in Urgent Care or on 1B will be required to provide proof of TB testing in accordance with VHA Directive 2011-036.

Dumpsters to have 6 high chain link enclosures.

No eating, drinking or smoking on the jobsite.