

Work scope details:

Title: Floor Tile Removal/Replacement in Breakroom at Building 7920

Work Scope Summary: This work plan involves the removal and replacement of both non-asbestos and asbestos-containing floor tiles in the breakroom of Building 7920. The project includes moving equipment, removing cove bases, and ensuring proper waste management throughout the process.

Key Work Scope Components:

- Removal of existing floor covering using hand tools and mechanical equipment.
- Installation of new floor covering.
- Management of asbestos-containing materials in accordance with safety regulations.
- Use of HEPA vacuums and wet methods to control asbestos exposure.
- Waste characterization and disposal coordination.

Relevant previous events and lessons learned:

Event Title	Event Summary	Lessons Learned	Reference Link
Asbestos Exposure Incident at XYZ Facility	During a floor tile removal project, workers were exposed to airborne asbestos fibers due to inadequate containment measures.	Importance of using proper containment and PPE, and ensuring all workers are trained on asbestos handling.	N/A
Equipment Failure During Tile Removal	A mechanical tile removal tool malfunctioned, leading to an injury when it unexpectedly discharged debris.	Regular maintenance and inspection of equipment are crucial to prevent failures and ensure worker safety.	N/A
Improper Waste Disposal of Hazardous Materials	Waste from a similar project was not properly characterized, leading to environmental contamination.	Always ensure waste is characterized and disposed of according to regulations to prevent contamination.	N/A
Slip and Fall Incident in Construction Zone	A worker slipped on wet surfaces during tile installation, resulting in an injury.	Implementing proper housekeeping and ensuring all surfaces are dry can significantly reduce slip hazards.	N/A
Communication Breakdown During Asbestos Work	A lack of communication regarding PPE requirements led to workers not wearing necessary protective gear.	Establish clear communication protocols and ensure all workers are briefed on safety requirements before starting work.	N/A

Missing Hazards:

Hazard	Missing or Inadequate Mitigation in Current Work Control Document	Recommended Mitigation for Revision	Reference Link	SBMS Link
Electrical Shock	Not addressed	Ensure GFCI outlets are used for all corded electrical equipment.	N/A	N/A
Falls from Height	Not addressed	Use fall protection measures when working on ladders or elevated surfaces.	N/A	N/A
Noise Exposure	Not addressed	Provide hearing protection when operating power tools that exceed 85 dBA.	N/A	N/A
Chemical Exposure	Inadequate mitigation	Conduct a qualitative exposure assessment for all chemicals used and provide appropriate PPE.	N/A	N/A
Ergonomic Risks	Not addressed	Implement job rotation and ergonomic assessments to minimize strain injuries.	N/A	N/A
Asbestos Contamination	Inadequate current mitigation	Ensure continuous monitoring by Industrial Hygiene personnel during asbestos work.	N/A	N/A
Slips, Trips, and Falls	Inadequate current mitigation	Maintain a clean work area and use anti-slip mats in high-risk areas.	N/A	N/A
Lack of Training	Not addressed	Ensure all workers receive training specific to the hazards of the work being performed.	N/A	N/A
Inadequate Waste Management	Not addressed	Establish clear procedures for waste characterization and disposal prior to starting work.	N/A	N/A
Communication Failures	Not addressed	Implement a pre-job briefing to discuss hazards and controls with all team members.	N/A	N/A

Failure mode analysis:

Current Control	Failure Mode of the Control	Effect of Failure	Cause of Failure	Recommended Action
Asbestos Work Authorization	Permit not obtained or expired	Workers may be exposed to asbestos without proper controls	Lack of oversight or communication	Implement a tracking system for permit renewals and approvals
PPE Requirements	PPE not used or inadequate	Increased risk of exposure to hazardous materials	Lack of training or awareness	Conduct regular training and audits to ensure compliance with PPE requirements
Work Instructions	Instructions not followed	Increased risk of accidents and injuries	Lack of clarity or communication	Review and simplify work instructions to ensure understanding
Communication Protocols	Failure to communicate hazards	Workers may not be aware of risks	Poor communication channels	Establish clear communication protocols for all team members
Emergency Response Procedures	Emergency procedures not followed	Increased risk during an emergency	Lack of training or drills	Conduct regular emergency response drills and training sessions
Tool Availability	Tools not available or inadequate	Delays in work and increased risk of injuries	Poor planning or inventory management	Implement a tool tracking system to ensure availability and maintenance
Training and Competency Verification	Workers not properly trained	Increased risk of accidents	Inadequate training programs	Develop a comprehensive training program that includes competency assessments

Current Control	Failure Mode of the Control	Effect of Failure	Cause of Failure	Recommended Action
Waste Management Procedures	Waste not properly characterized	Environmental contamination	Lack of awareness or training	Ensure all workers are trained on waste management procedures and regulations
Work Area Inspections	Inspections not conducted	Increased risk of hazards	Lack of accountability	Assign responsibility for regular inspections and audits of work areas
Job Hazard Evaluation	Hazards not properly identified	Increased risk of accidents	Incomplete evaluations	Conduct thorough job hazard evaluations for all tasks and update as needed