02.06.2023

DEMOLITION WE ARE SAFE ON DEMO DAY.

OSHA STANDARDS

Demolition work involves many of the hazards associated with

construction. Therefore, all of §29 CFR Part 1926 – Construction Standards apply at a demolition site. However, demolition involves additional hazards due to unknown hazards, which makes demolition work particularly dangerous. For this reason, OSHA created the Subpart T – Demolition standards specifically for these operations. PURPOSE/SCOPE Demolition is the dismantling, razing, destroying, or wrecking of any

building or structure or any part thereof. Demolition work involves

many of the hazards associated with construction. However,

construction.

makes demolition work particularly dangerous. These may include: Changes to the structure's design introduced during Approved or unapproved modifications that altered the original design. Materials hidden within structural members, such as lead,

demolition involves additional hazards due to unknown factors which

- asbestos, silica, and other chemicals or heavy metals require special material handling.
- Unknown strengths or weaknesses of construction materials, such as post-tensioned concrete.
- Hazards created by the demolition methods used. This program outlines control measures supervisors should
- consider planning for a successful and safe demolition project. Those supervising demolition activities should be familiar with the
- OSHA §29 CFR 1926, Subpart T, and all federal, state, and local requirements that apply to demolition work.

selective or total building demolition, sufficient exploratory work has

to be performed as each project has unique situations that warrant

Before the demolition process can begin, regardless of if it is

different preventative measures. Contact the Safety Manager,

GENERAL REQUIREMENTS

materials exposure.

HAZARDS

demolition subcontractor(s), and other affected parties (as required) before the project starts to set up a demolition review. A demolition plan that reflects the findings of the review shall be developed and approved by the Project Manager. Demolition work that requires registered Professional Engineer (PE) approval will not be started until the appropriate signed documentation is received

from the PE. The plan shall include an evaluation of hazardous

Asbestos and lead are common hazards encountered in demolition. When encountered, refer to the Asbestos and Lead Exposure sections of this manual. Prior to any demolition, the supervisor shall ensure that a One-Call Ticket for underground utilities has been approved and marked any overhead power lines.

The Compay must plan ahead to get the job done safely. Proper planning is essential to ensure a demolition operation is conducted with no accidents or injuries. This includes, but is not limited to: A survey is completed by a Competent Person before any demolition work takes place. This should include the condition

of the structure and the possibility of an unplanned collapse.

Locating, securing, and/or relocating any nearby utilities.

• An assessment of health hazards is completed before any

- The Company must provide the right protection and equipment. The Company must determine what Personal Protective Equipment
 - Eye, face, head, hand, and foot protection Respiratory protection
 - operations)

aware of the hazards they may encounter and the safety precautions

To combat these, everyone at a demolition jobsite must be fully

they must take to protect themselves and the employee-owners.

Other protective clothing (for example, cutting or welding)

- orientation, pre-construction meetings, etc.
- Conduct investigative work to identify potential risks associated with the demolition work. Request information related to the demolition project from the

appropriate parties, including Phase I and II assessments,

and engineering surveys from the subcontractor for total

and methods, using many kinds of equipment and tools.

Demolition experts can recommend which methods are

appropriate for particular projects. For simplicity, demolition

methods can be grouped under the categories of mechanical,

asbestos surveys, abatement reports, environmental studies,

Communicate the appropriate information to affected parties during the bidding, pre-construction, and construction phases.

building demolition.

- A survey shall be completed by the responsible party prior to the start of demolition. A copy of the survey should be given to the project manager. The demolition methods, shoring requirements, and demolition procedure should be outlined by the demolition contractor
- coordinate. Entrances to a multistory structure shall be protected by a suitable canopy-type structure. Prior to the start of work, determine if there are specific requirements for the township in

Chutes, slides, etc. shall be used in disposing of materials.

and maintain (especially unclogging) chutes.

Prior to the start of work, develop procedures to safely operate

which the work is being performed.

by the Company.

+ Debris removal

+ Hot work

+ Utilities

emergency?

etc.).

+ Ceiling/overhead demolition

+ Maintaining fire ratings

condition before break or at the end of the day. Any standing portions of a wall or structure that are structurally unstable shall be demolished or supported. Prior to demolition in areas with potential exposure to bloodborne pathogens, a certificate of clean is to be provided

Coordinate the following operations (as applicable):

+ Documenting existing conditions

Dust and infection control + Separation (e.g. temporary walls and signage) Surrounding operations and facility restrictions (e.g. noise, times, etc.)

• Identify shut-off valve locations (water, sprinklers, gas, oxygen,

Can the valves be reached? How will they be reached during an

If a system does not have a shut/isolation valve, investigate

+ Can the systems be turned off or do they have to stay live?

disconnected, develop a procedure for protecting the

Cages over sprinkler heads, caution tape on heads to make

Routinely revisit the location of the valves with all personnel

involved in order to increase response time in case of an

All floor penetrations have to be sealed down to the floor with

and place it next to the doors leaving the space. Sprinkler systems

+ If the sprinkler system cannot be shut down or

• Chutes, slides, etc. shall be used in disposing of materials. Prior to the start of work, develop procedures to safely operate and maintain (especially unclogging) chutes.

The area at the base of the chute and/or the area around

the dumpster into which the chutes are emptying is to be

barricaded. Depending on the location of the exit point of the

chute, different control measures may be implemented (e.g.

portions of a wall or structure that are structurally unstable shall be demolished or supported. EXHIBIT 3.DD.001

Fire prevention and evacuation plan.

demolition work takes place.

Personal Fall Arrest Systems (PFAS)

Hearing protection

First Aid and Emergency Medical Services.

(PPE) will be required. In demolition operations, PPE may include:

RESPONSIBILITIES PROJECT TEAM Provide employee-owners with demolition information via site

 Coordinate with all applicable parties to ensure jobsite conditions are in suitable condition to begin the demolition process.

BUILDING DEMOLITION Building demolition is achieved by a variety of means

implosion, and special

- based on the engineering survey. Environmental hazards must be addressed prior to the start of demolition activities. Utilities shall be cut and capped, or otherwise guarded before activities start. Contact appropriate utility owners and personnel to
- The area at the base of the chute and/or the area around the dumpster into which the chutes are emptying is to be barricaded. Depending on the location of the exit point of the chute, different control measures may be implemented (e.g. fence and signage).

• Structures (or portions of) shall not be left in an unstable

(e.g. shores) + Demolition procedures (e.g. no blind cuts into walls with reciprocating saws) + Water management + Temporary weather protection + Interim life safety measures

+ Engineering calculations and support/protection methods

the possibility of installing one for the project. Mark up a drawing and identify where the valve locations are

visible, install sleeves overheads, etc.

sprinkler system.

emergency.

Does a ladder have to be at each location?

 Refer to the Personal Protective Equipment Policy section for protecting employee-owners involved in demolition activities.

non-water soluble chalk by the end of the shift.

- fence and signage). Structures (or portions of) shall not be left in an unstable condition before break or at the end of the day. Any standing
- **Demolition Checklist** Before any demolition commences, a Demolition Checklist needs to be completed. This

D.	Demolition Checklist
Project Name:	y's Dat
Physical Address of Property Being Torn	Down:
Competent Person onsi	E is ency Co act Information:
Full Den Ition Yes No	
Expecteo te:	Expected completion date:
Safety briefing inducted with crews prior to demonstion? Yes No	Was a final walk-through inspection made to ensure nob was left in building prior to demolition? Yes \(\sime\) No
Demolition permits been obtained?	Yes No Explain:
Describe the process of how the demoli	tion will occur:
Type of machine(s) used in demolition?	List type and equipment #