

# Tools for Life – Weekly Health & Safety Meeting



## Home Healthy - Home Safe

Date: October 2022

### Crane Safety AISH36

Many large projects will more than likely have crane usage on it. Sometimes multiple cranes on the same project at the same time. Even if you are not directly working with a crane, they still present a hazard. In 2019 alone, there were 16 fatalities with workers directly involved in crane work, and another 3 fatality events that involved pedestrians in the United States.

When crane usage is a requirement for our scope, refer to **Apollo Industrial Safety and Health Procedure 36** for Apollo's complete procedure requirements. Pre plan your crane pick as far in advance as possible, because you may need to do some leg work on identifying material weights, verifying crane certifications and other documentation such as contacting power companies when working in close vicinity of powerlines.

Some standard steps when using a crane are:

- Complete a Pre-Mob Checklist (AISH 36-A). This will ensure standard documents are up to date and valid.
- Develop a Pick Plan. At 75% of the crane capacity and at 90% the requirements for a pick plan change. Work with your Apollo Safety Manager to ensure all requirements are met.
- Review and assign roles and responsibilities.
- Ensure that training is complete for each role. Verify that documentation of training is available.
- Identify swing radius and notify all affected workers. This may require signage, spotters, and barricades.
- Prior to any lift hold a team huddle to review the lifting plan, communication procedures, and roles and responsibilities with the lifting team. Be sure to identify the Lift Director.

**HEALTHY OR SAFETY REMINDER:** According to OSHA in 2010 an analysis of documented crane incidents indicated that 45% of major incidents were due to unwanted contact with powerlines.

You do not have to be directly part of a crane operation to be at risk for some of the hazards. Whenever you are on a jobsite with cranes, follow some of these standard safety precautions:

- Always be aware of the swing radius of nearby cranes.
- Give the crane and load plenty of space - Never stand or work under a live load.
- Address crane location and hazards on the Daily Pre-Task Plan. Sometimes communicating with the GC or contractor using the crane will help identify usage times, swing radii, and potential hazards for your team.

Discussion Points:

1. Are all Pick Plans the same and the % of capacity does not change requirements?  
**Answer: No. The percentage of capacity needed to pick can change the requirements needed to verify. @75% you need a critical pick plan and at 90% you need an engineered pick plan.**
2. You should assume if a crane company is providing a crane, that the crane is safe, and no one needs to verify certifications.  
**Answer: No. Verifying a crane certification is legally required and ensures the crane has been properly inspected and tested for its load capabilities, wire rope integrity, and crane functionality. These certs expire and or fail. Always verify before proceeding with a crane pick.**