# Lessons Learned

## Event Summary

An electric water pump fell 18'4" and struck a laborer on the back of the hard hat, resulting in a mild to severe concussion. The incident occurred as the worker inadvertently pulled the pump from the concrete platform while descending a ladder inside the pier tower.

## Contributing Factors

* - Lack of equipment tethers inside the piers
* - Inadequate securing of the water pump on the platform
* - False sense of security regarding prevention measures
* - Presence of unnecessary clutter and tools in the work area
* - Insufficient attention to potential entanglement hazards

## Lessons Learned

* - Implement a process flow to prevent dropped objects, including securing or removing loose items
* - Regularly verify compliance with safety absolutes and conduct drop object blitzes
* - Ensure all workers wear approved hard hats with chin straps
* - Visually assess tasks for entanglement risks and promptly remove unnecessary tools
* - Follow and verify all dropped object prevention SOPs and requirements consistently