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Snapshots!

**Crane, Hoist & SlingProgram**

[**http://ehs.psu.edu/crane-hoist-sling/overview**](http://ehs.psu.edu/crane-hoist-sling/overview)

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**Who and what does this program apply to?**

* University employees who operate cranes and hoists.
  + Cranes & Hoists include the following types: overhead and gantry cranes, semi-gantry cranes, cantilever gantry cranes, wall cranes, monorail cranes, bridge cranes, single girder cranes, overhead hoists, and other hoists and cranes having the same fundamental characteristics.
* Rigging equipment such as slings.

**What are the key requirements of this program?**

* Supervisors must:
  + Be thoroughly informed of the contents of this program and how it relates to their areas of responsibility and authority.
  + Ensure employee compliance with all provisions of the Crane, Hoist & Sling program.
  + Ensure that their employees receive Crane, Hoist & Sling training when required.
  + Ensure employees are provided with and use appropriate personal protective equipment.
* Employees must:
  + Comply with all provisions of the Crane, Hoist & Sling program, including attending required training sessions and conducting pre-use equipment inspections.
  + Promptly report any safety concerns related to aerial/scissor lifts to their immediate supervisor.
* Training Requirements:
  + Training of crane and hoist operators at PSU is a two-step process for the majority of cranes/hoists which consists of classroom instruction & hands-on training.
    - In additional to the above requirements, a documented operator evaluation is required for operators of Bridge Cranes.
  + Employees must receive the required training before being allowed to operate a crane or hoist independently.
  + Retraining is required whenever:
  + The operator has been observed to be using the equipment in an unsafe manner.
  + The operator has been involved in an accident or a near-miss incident.
  + The operator is assigned to operate a different type of equipment.
  + A condition in the workplace changes in a manner that could affect safe operation of the equipment.
* Inspection Requirements:
  + Pre-Use: Before use each day the crane, hoist and sling shall be given a visual inspection and functional test by the operator.
  + Monthly: A documented inspection of all cranes and hoists is required.
  + Annual (hoists & cranes): A documented annual inspection conducted by a third party specializing in hoist and crane inspections is required.
  + Annual (slings): A documented annual inspection conducted by a designated person in the work unit or third party is required.
* Recordkeeping Requirements:
  + Work units must maintain records of all crane & hoists located in the work unit, hands-on training & operator evaluations, monthly & annual inspections, repair records and load tests.

**For additional information:**

* Penn State Crane, Hoist & Sling Safety Program
* OSHA Regulations <http://www.osha.gov/>
* 29 CFR 1910.179 Subpart N – Overhead and gantry cranes
* ANSI/ASME standards
* HMI (Hoist Manufacturers Institute) guidelines