

***Oregon OSHA's new crane standard for the construction industry***Construction –  
Subdivision CC***A timeline*****When Oregon OSHA must propose and adopt the standard**

- Oregon OSHA must propose Oregon-specific crane rules by **Nov. 15, 2010**.
- Oregon OSHA must adopt or have rules equally effective to Federal OSHA's *Cranes and Derricks in Construction* standard by **Feb. 9, 2011**.

**When employers must comply with key requirements in the crane standard****Feb. 9, 2011**

- **Ground Conditions – 1926.1402(b)** Equipment must not be assembled or used unless ground conditions are firm, drained, and graded so that the equipment manufacturer's specifications for adequate support and degree of level are met.
- **Assembly/Disassembly Director – 1926.1404(a)(1)** Assembly and disassembly must be directed by a person ("A/D director") who meets the criteria for a competent person and a qualified person, or by a competent person who is assisted by one or more qualified persons.
- **Qualified Rigger – 1926.1404(r)(1)** When rigging is used for assembly and disassembly, the employer must ensure that the work is done by a qualified rigger – in addition to the requirements in 1926.251, *Rigging equipment for material handling*.
- **Keeping clear of the load – 1926.1425** Materials must be rigged by a qualified rigger when employees are within the fall zone and engaged in hooking, unhooking, guiding, or in the initial connection of a load to a component or structure.
- **Hazard assessments and precautions inside the work zone – 1926.1408(a)(2)** Before beginning equipment operations, the employer must determine if any part of the equipment, load line, or load (including rigging and lifting accessories) – if operated up to the equipment's maximum working radius in the work zone – could get closer than 20 feet to a power line.
- **Inspections – 1926.1412** Cranes must be inspected:
  - ~ **Post-assembly**, by a qualified person to ensure that the crane is configured in accordance with the manufacturer's criteria
  - ~ **Before each shift**, by a competent person who must do a visual inspection during the shift or before the shift starts
  - ~ **Each month equipment is in service**, by a competent person; the items inspected, results of the inspection, inspection date, and the inspector's name and signature must be recorded and retained for three months
  - ~ **Annually**, by a competent person; the items inspected, results of the inspection, inspection date, and the inspector's name and signature must be recorded and retained for at least 12 months
- **Wire rope inspection – 1926.1413** Wire ropes must be inspected:
  - ~ **Before each shift**, by a competent person who must do a visual inspection during the shift or before the shift starts
  - ~ **Monthly**, by a competent person who must do a visual inspection during the shift or before the shift starts
  - ~ **Annually**, by a qualified person of the wire ropes in use; the wire ropes inspected, results of the inspection, inspection date, and the inspector's name and signature must be recorded and retained for at least 12 months

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- **Safety devices – 1926.1415** The following safety devices must be on all cranes:
  - ~ Crane level indicator
  - ~ Boom stops
  - ~ Jib stops if a jib is attached
  - ~ Locks on equipment that has foot pedal brakes
  - ~ Integral holding or check valve on hydraulic outrigger jacks and hydraulic stabilizer jacks
  - ~ Horn that is built in or immediately available to the operator
- **Operational aids – 1926.1416** The following devices must be on all cranes:
  - ~ Boom hoist limiting device
  - ~ Luffing jib limiting device
  - ~ Anti two blocking device
  - ~ Boom angle or radius indicator
  - ~ Jib angle indicator if the equipment has a luffing jib
  - ~ Boom length indicator if the equipment has a telescopic boom
  - ~ Load weighing devices
- **Signal person qualifications – 1926.1428** Signal persons must meet the standard's qualification requirements [1926.1428(c)] by doing one of the following:
  - ~ Option 1: Have documentation from a third party qualified evaluator that shows the signal person meets the requirements
  - ~ Option 2: Have the employer's qualified evaluator assesses the person and determine and document that the person meets the requirements
- **Phase-in – 1926.1427(k)(2)(i) and (ii)** Crane operators must be competent to operate the equipment safely. Employees who do not have the required knowledge or ability to operate the equipment safely, must be trained by the employer before they operate the equipment.
- **Overhead powerlines – 1926.1430(a)** Operators and crew members must be trained in the topics listed in 1926.1408(g).
- **Signal persons – 1926.1430(b)** Employees assigned to work as signal persons who do not meet the standard's qualification requirements [1926.1428(c)] must be trained by the employer.
- **Operators excepted from 1926.1427(a)(3) – 1926.1430(c)(3)** Operators of derricks, sideboom cranes, or equipment with a maximum manufacturer-rated hoisting/lifting capacity of 2,000 pounds or less must be trained on the safe operation of their equipment.

## **Nov. 10, 2014**

**Operator qualification and certification – 1926.1427** Before operating any equipment crane operators must be qualified through a prequalification/certification training period or qualified by one of the following:

- An accredited crane operator testing organization
- An audited employer program
- The U.S. military
- A government entity