

CRANE SAFETY LIST Appendix II

1. PPE
2. Rescue
3. Shift Daily Checks
4. Inspection Check
5. Runaway
6. Operator Comfort (Seats)
7. Operator and Maintenance SOP
8. Preventative Maintenance
9. Alternate Braking System
10. Parking
11. Emergency Lights
12. Elevators - Over-Speed and Safety Inspections
13. OSHA
14. Reporting System
15. Training
16. Warning System
17. SOP for Trucks/Personnel
18. Load Cells
19. Fire Protection

PPE: (A) USER

- hard hats
- safety glasses
- safety belts, seat belts, harnesses
- air pacs
- proper clothing
- proper footwear

RESCUE: (A) USER

- trained people in rescue
- basket, repelling and first aid equipment
- trained people with first aid
- rescue procedures

SHIFT DAILY CHECKS: (A) USER

- each mill to develop shift checks
- see appendix c

RUNAWAY:

- Parking
 - Operational
 - Emergency
- a. Parking: (A) User
- need to have a procedure set in place
 - anchor system
 - chocking
 - lower grapple
 - power supply off
- b. Operational: (A) Users/Manufacturers
- need to set minimum standards for brakes x # motors
 - need indicator that brakes have released
 - standards in place for wind/wind measuring system
 - outside source for weather updates
 - establish safety audits
- c. Emergency: (A) Manufacturers
- adequate braking system needs to be supplied to protect the operator and the crane
 - fail safe system
 - limit switch at end stops; should not be fixed/sudden stop at end stop

OPERATOR COMFORT: (C) USERS/MANUFACTURERS

Standard:

- climate control cab
- windows you can clean
- seats (re-design)
- visibility
- shoulder harness
- isolated cab (vibration)
- better placement of indicators/radio placement (built-in)
- safety cables on outside of cab
- design for rescue equipment
- pressured cab, clean air supply
- washroom

OPERATOR MAINTENANCE SOP (STANDARD OPERATOR PROCEDURE): (A) USER
Establish Guidelines (Refer to Vendor, Other Operations and OSHA)

- ❑ restricted area
- ❑ proper position of load in grapple
- ❑ maintenance on crane
- ❑ track inspection/maintenance
- ❑ cold weather policy
- ❑ maintenance log book
- ❑ board and leave crane
- ❑ lock-out procedures
- ❑ grounding procedures

EMERGENCY LIGHTS:

- ❑ need lights at MCC, stairs and ladders

ELEVATORS (SITE SPECIFIC): (A) (B) (C) USERS/MANUFACTURERS

- ❑ reliable elevator is needed on crane
- ❑ yearly inspection needs to be done, plus drop test (replacement of brake every 2 years)
- ❑ need a way to communicate from elevator
- ❑ passenger comfort (i.e. lights, heat)
- ❑ people trained in elevator operation (descend, use of brake)

TRAINING: (A) USERS

- ❑ need to set minimum standards of performance
- ❑ manufacturer needs to supply safety factors (i.e. hoist cables 5/1, 10/1)
- ❑ need training package in place and designated trainers

WARNING SYSTEM: (A) A & B MANUFACTURERS C-I USERS

- ❑ *movement warning (lights/bells)
- ❑ *operator emergency warning
- ❑ recommend radio contact with log trucks
- ❑ SOP for truck/personnel under crane
- ❑ safety program in place (movie of safe unloading)
- ❑ tour of yard/safe practices
- ❑ contractors/woodlands/yard own safety program
- ❑ safety vest for ground crew
- ❑ truckers need PPE
- ❑ *Needs to meet site regulations.

STANDARDS: (A) MANUFACTURERS

- ❑ overload protection should be standard equipment
- ❑ safety hooks on trolleys
- ❑ safety cables
- ❑ slow-down at end stops and trolleys
- ❑ sill beam cable

NOTE: Should be standard equipment on all cranes.

FIRE PROTECTION: (A) USERS

- ❑ review fire extinguisher training for cranes