

STANDARD PRACTICE INSTRUCTION**DATE:** _____**SUBJECT:** Crane Safety Program

OSHA STANDARDS: OSHA - 29 CFR 1910.179 - Overhead and Gantry Cranes
OSHA - 29 CFR 1926.550 - Cranes and Derricks
OSHA - 29 CFR 1903.1 (The General Duty Clause)
CMAA - Spec. No. 70 and 74 Crane Operator's Manual
ANSI - ANSI/ASME
B-30 series Cranes, Derricks, Hoists,
B- 30.2 Overhead And Gantry Cranes (Top Running Hoist)
B- 30.10 Hooks
B- 30.11 Monorail And Underhung Cranes
B- 30.16 Overhead Hoists (Underhung)
B- 30.17 Overhead & Gantry Cranes (Underhung Hoists)
B- 30.18 Stacker Cranes
B- 30.21 Manually Lever Operated Hoists

BASIS: Serious injury or death can be the result of improper use, or use of cranes having defective or poorly maintained components. The Occupational Safety and Health Administration (OSHA) estimates that most of these types of accidents can be prevented if proper safety precautions at job sites are initiated. This poses a serious problem for exposed workers and their employer. The OSHA Crane safety standards establish uniform requirements to ensure that the hazards associated with the use of cranes in U.S. workplaces are evaluated, safety procedures implemented, and that the proper hazard information is transmitted to all affected workers.

GENERAL: ABC Corporation will ensure that all cranes used within our facility(s) are evaluated. This standard practice instruction is intended to address comprehensively the issues of; evaluating the associated potential hazards, communicating information concerning these hazards, and establishing appropriate procedures, and protective measures for employees.

RESPONSIBILITY: The company Safety Officer is _____. He/she is solely responsible for all facets of this program and has full authority to make necessary decisions to ensure success of the program. The Safety Officer is the sole person authorized to amend these instructions and is authorized to halt any operation of the company where there is danger of serious personal injury.

Contents of the Crane Safety Program

- 1. Written Program.**
- 2. General Requirements.**
- 3. Initial Training.**

4. Refresher Training.
5. Safe Operating Practices for Operators.
6. Safe Operating Practices for Signalers.
7. Leaving or Parking Hoists or Cranes.
8. Handling Sling Loads.
9. Estimating the Weight of Loads.
10. Personal Protective Equipment.
11. Crane Inspections.
12. Daily Checks.
13. Monthly Checks.
15. Periodic CMAA Inspection Recommendations.
16. New, Idle, Altered, Used Cranes.
17. Preventive Maintenance Requirements.
18. Preoperational Testing Requirements.
19. Lockout Tagout Considerations.
20. Crane Inventory.

ABC Corporation Crane Safety Program

1. Written Program. ABC Corporation will review and evaluate this standard practice instruction on an annual basis, or when changes occur to regulatory standards that prompt revision of this document, or when facility operational changes occur that require a revision of this document. Effective implementation of this program requires support from all levels of management within this company. This written program will be communicated to all personnel that are affected by it. It encompasses the total workplace, regardless of number of workers employed or the number of work shifts. It is designed to establish clear goals, and objectives.

2. General Requirements. ABC Corporation will establish crane safety and operational procedures through the use of this document. This standard practice instruction applies to cranes used in conjunction with other material handling equipment for the movement of material. The types of cranes covered are:

- 2.1 _____
- 2.2 _____
- 2.3 _____
- 2.4 _____
- 2.5 _____

3. Initial Training. Training shall be conducted prior to job assignment. This employer shall provide training to ensure that the purpose, function, and proper use of cranes is understood by employees and that the knowledge and skills required for the safe application, and usage is acquired by employees. This standard practice instruction shall be provided to, and read by all employees receiving training. The training shall include, as a minimum the following:

- 3.1 Preoperational inspection requirements of the crane to be used.
- 3.2 Specific operational requirements of the crane to be used.
- 3.3 Principals of crane operations.
- 3.4 Recognition of applicable hazards associated with the work to be completed.
- 3.5 Load determination and balancing requirements.
- 3.6 Procedures for removal of a crane from service.
- 3.7 All other employees whose work operations are or may be in an area where cranes may be utilized, shall be instructed to an awareness level concerning hazards associated with cranes.

3.8 Physical and mental requirements of operators. Crane operators will be screened for physical and mental impairments that could result in improper use. Operators will meet as a minimum, the following requirements before being certified to operate cranes.

- Be drug and alcohol free during any lifting event.
- Be thoroughly trained in all facets of the required lift.
- Have a mature and safe attitude at all times.
- Have good depth perception (essential for load spotting).
- Have good hearing and vision (corrected or uncorrected).
- Have no history of unsafe acts in the workplace.
- Have the ability to react quickly in an emergency.
- Take no medication that will interfere with the operation.
- Understand the requirements for all phases of the lift.

3.9 Certification. This employer shall certify that employee training has been accomplished and is being kept up to date. The certification shall contain each employee's name and dates of training.

3.10 Crane trainers. The following employees or position titles will receive training and as required, serve as crane trainers. Qualified trainers will consist of the following:

CRANE TRAINERS

<u>Title</u>	<u>Member</u>
Crane Trainer	Department Manager
Crane Trainer	Safety Officer
Crane Trainer	First Line Supervisors
Crane Trainer	Qualified Outside Contractors
Crane Trainer	Manufacturers of In-use cranes
Crane Trainer	_____
Crane Trainer	_____

END OF SAMPLE

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