Berea College Employee Workplace Safety Program

BOOM SUPPORTED AND VEHICLE MOUNTED ELEVATING AND ROTATING WORKPLATFORMS

A Berea College Employee Workplace Safety Program
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PURPOSE

This program is designed to meet the requirements of 29 CFR 1910.67 and ANSI/SIA A92.5-1992, regarding the use and operation of Boom supported vehicle mounted elevating and rotating work platforms.

Definitions

(From 29CFR1910.67 & ANSI/SIA A92.5-1992))

Aerial Ladder: An aerial device consisting of a single or multiple-section extensible ladder

Articulating boom platform: An aerial device with two or more hinged boom sections.

Authorized Personnel: Personnel approved or authorized to perform a specific type of duty or duties at a specific location or locations.

Extensible boom platform: An aerial device (except ladders) with a telescopic or extensible boom. Telescopic derricks with personnel platform attachments shall be considered to be extensible boom platforms when used with a personnel platform.

Insulated aerial device: An aerial device designed for work on energized lines and apparatus

Mobile unit: A combination of an aerial device, designed

Operator: A qualified person who controls the movement of the vehicle

Platform: Any personnel-carrying device (basket or bucket) which is a component of an aerial device

Vehicle: any carrier that is not manually propelled

Vertical Tower: an aerial device designed to elevate a platform in a substantially vertical axis.
OPERATION

Only trained Berea College employees shall operate a Berea College owned/leased vehicle mounted elevating platform. It is the responsibility of the employee to be familiar with manuals kept on the aerial platform and to consult these manuals regarding questions about the aerial platforms operation.

Rules of Operation for vehicle mounted elevating and rotating work platforms

1. Only Berea College licensed and certified employees may operate Berea College owned/leased vehicle mounted elevated platforms.
2. The operator must always face the direction of travel when traveling.
3. Look before you start to see that no person or object is in your path. Always look before backing up.
4. Do not carry riders!
5. No horseplay at any time!
6. The platform is operated on a surface that is within the limits specified by the manufacturer.
7. Keep your feet and legs inside the basket.
8. A full body-harness should be worn whenever the vehicle is moving or in operation.
9. Stay alert, concentrate on the work being done.
10. Check the clearance of any hoists or other objects before raising basket.
11. Be aware of any overhead power lines.
12. Complete daily inspection log.

Rules of Travel for vehicle mounted elevating and rotating work platforms

1. Under normal traffic conditions, keep to the right. The travel speed will be limited according to surface conditions, visibility and location of pedestrians and other personnel.
Work area inspection

It should be the responsibility of the operator to check the work area for possible hazards such as:

1. Holes
2. Bumps and floor obstructions
3. Debris
4. Overhead obstructions
5. High voltage lines
6. Hazardous location
7. Wind and weather conditions
8. Presence of unauthorized persons
9. Any other unsafe condition

DISCIPLINARY ACTION

Any operator found to be operating a boom supported or vehicle mounted elevating platform in an unsafe manner shall be prohibited from operation of these vehicles. The offending operator shall not be allowed to operate any vehicles until completion of the operator’s certification course.

Any operator that is involved in an accident shall be prohibited from operating a boom supported or vehicle mounted elevating platform until completion of an accident investigation.

MAINTENANCE

Any Boom supported/Vehicle mounted work platforms not in safe operating condition shall be immediately removed from service and the departmental supervisor shall also be immediately notified. Any Boom supported/Vehicle mounted work platforms found in an unsafe condition shall be properly repaired prior to being returned to service. Authorized personnel should perform all repair work. Serviced or repaired Boom supported/Vehicle mounted work platforms shall be examined prior to being placed back into service.
INSPECTIONS

All Berea College owned or leased Boom supported/Vehicle mounted work platforms should be inspected daily or prior to any use. This inspection shall be performed using an approved inspection checklist.

Daily Inspections

Before operating a vehicle mounted or boom supported vehicle, operators must perform a pre-operation inspection. If for some reason, the lift is inoperable, it should be tagged for repair with a description of the problem(s). A vehicle mounted or boom supported vehicle that has been tagged for repair should never be operated until the repairs have been made. The following is a list that can be used to develop a pre-operation checklist. (See appendix A)

1. Inspect the wheels and tires
2. Inspect the lights
3. Inspect the basket, boom arm
4. Check for leaks on the floor and around the vehicle
5. Inspect the basket for damage
6. Operate the lift controls
7. Inspect the steering mechanism
8. Test the horn
9. Test the brakes
10. Record the number on the hour meter before and after operation
11. Inspect the hydraulic cylinders and hoses for cracks, leaks, etc.
12. Operation of emergency controls
13. Inspection of all personal fall protection equipment
14. Inspection of all out riggers (if applicable)

Annual Inspections

Aerial platforms shall be inspected annually once every 12 months; this inspection shall be done in accordance to the manufacturer instructions. A qualified mechanic shall perform this inspection and the inspection is to include all items as specified by the manufacturer.
TRAINING

Berea College shall ensure that each operator is competent to safely operate a Boom supported or vehicle mounted elevating platform. This is to be done thru completion of a training program and acquisition of a license to operate the equipment. This operators license will only be applicable to Berea College owned or leased equipment. This license shall expire 3 years from the date of issue. The license can be renewed by the employee thru attendance of a training class. The training program shall consist of lecture, practical exercise performed by the employee and evaluation of the employee’s performance. The training program content should follow current OSHA and ANSI/SIA requirements.

Before being authorized to operate the aerial platform the following shall apply:

1. The employee should have been instructed by a qualified person
2. The employee read and understands the manufacture’s operating instructions and safety rules.
3. Understand all decals, warnings, and instructions displayed on the aerial platform.
4. All training shall be done on the same model that the employee shall be operating.

RECORDKEEPING

Berea College shall retain records for at least 3 years. These records shall include the employees that have been trained, all inspection records, and records of training upon delivery of an aerial platform.
Appendix A - Inspection Form

Form to be developed