

University of Alaska Anchorage	Section EHS/RM
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## 1. Purpose

University of Alaska Anchorage (UAA) employees, student workers, faculty, staff, and outside contractors who operate or work near heavy equipment in the course of their work functions, are exposed to hazards which could result in serious injury. The hazards associated heavy equipment operation can be substantially reduced by operating the equipment properly and taking precautions. This program for Heavy Equipment Operation Safety is intended to ensure workers are knowledgeable in the hazards when operating or working in proximity to heavy equipment and the steps to be taken to protect themselves and others.

## 2. Objective

UAA, in its continuing effort to provide employees with safe, healthful working conditions, and to comply with the Occupational Safety and Health Act is implementing the following program for heavy equipment safety to protect people working at the University, by helping employees, student workers, faculty, staff, and outside contractors better understand hazards while operating or working near heavy equipment.

## 3. Scope

This program applies to UAA employees, student employees, faculty, staff, and outside contractors who operate or work near heavy equipment.

## 4. Definitions

Compact Equipment - A category of heavy equipment which includes smaller units designed to work on small commercial and residential sites including skid-steer loaders, loader backhoes, mini-excavators, compact track loaders and compact wheel loaders

Competent Person - Person who by possession of a recognized degree in an applicable field or a certificate of professional standing, or who by extensive knowledge, training and experience, has successfully demonstrated the ability to operate, inspect or maintain heavy equipment

Free Moving Mobile Equipment - Operator controlled mobile equipment not constrained by Fixed Rails and can include Industrial Fork Trucks, Aerial Lifts, Buggies, Sweepers and Backhoes

Heavy Equipment - Heavy-duty vehicles, specially designed for executing construction tasks, most frequently ones involving earthwork operations including; earthmoving equipment: scrapers, loaders, crawler or wheel tractors, bulldozers, off-highway trucks, graders, agricultural and industrial tractors, compact equipment, and other similar equipment

Mobile Equipment – Free moving equipment propelled/powered by gasoline, propane, natural

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Spotters



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How to perform the pre-use inspection

How to start, operate, and shutdown the heavy equipment safely in accordance with the manufacturer recommendations and this Program

Refresher training shall be provided at least annually.

Retraining shall be provided for each employee as necessary if an accident occurs, new workplace hazards are identified, a near loss incident has occurred, or there is a change in the type of equipment used, so that the employee maintains the understanding and knowledge acquired through compliance with this section.

## 12. Program Evaluation

The Heavy Equipment Operation Safety program shall be evaluated on an annual basis utilizing the protocols set forth by EHS/RM. The evaluation team will consist of a department safety coordinator and a designee from EHS/RM. EHS/RM will define the scope of the evaluation. The final report will be developed by the EHS/RM utilizing the information received during the evaluation. The deficiencies determined in the report will be documented and corrective action plans will be developed.

## 13. References

OSHA regulations that apply to Ladder safety are included below.

29 CFR 1926.651 Specific Excavation Requirements

29 CFR 1926.602 Motor Vehicles, Mechanized Equipment, and Marine Operations

29 CFR 1926 Subpart W App A - Rollover Protective Structures; Overhead Protection

## 14. Revision History

Revision Number	Date Revised	Description of Change	Revised By	Approved By
0		Initial Issue		
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Appendix A: OPERATOR CHECKLIST

Inspection Information

Date		Operator	
Truck#		Model#	
Department		Serial#	
Shift		Hour Meter	

Safety and Operational Checklist (Have a qualified person correct all problems.)

Engine Off Checks	OK	FIX
Leaks – Fuel, Hydraulic Oil, Engine Oil or Radiator Coolant		
Condition		
Check Visually		
Damage		
(or Location)		
Check the Restriction Alarm (if equipped)		
Model, Serial Number and Attachments		
Smoothly		
Investigated Immediately	OK	FIX
Smoothly		

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