

# HUMAN EQUIPMENT INTERACTION (HEI)



## INSTRUCTIONS

1. Discuss the fatality and how it relates to our operations
2. Review LSA Visual Reference Guide
3. Utilize the safeguards as a reference
4. Have an open discussion on the following engagement questions

### 1 FATALITY

- An employee was standing between a gravel windrow and a semi dump truck. Truck proceeded forward to move into position to dump his load. Worker stepped backwards into moving vehicle and was run over resulting in the fatality.
- Truck foreman was fatally injured when he was backed over by a mechanic's pickup truck.
- We have lost 23 people due to HEI-related incidents in the last 60 years.

### 4 ENGAGEMENT QUESTIONS

- 1 Does anyone have a story to share about a HEI incident and how it affected you and others?
- 2 If we identify that a safeguard doesn't apply to our work, what steps should we take next? If a critical safeguard is missing before starting work, how do we address it before proceeding?
- 3 What do we do if we are uncertain of what a safeguard is?
- 4 If a safeguard is not in place, who could this affect and how?

### 2 REVIEW

**LSA Visual Reference Guide HEI (40)**



### 3 UTILIZE SAFEGUARDS AS A REFERENCE

- Equipment operation and human foot traffic are PHYSICALLY separated (fencing, barrier, relocate operations, gates, etc.) with separate access routes for equipment and personnel.
- The operator is competent / qualified to operate the equipment.
- The HEI Planning Tool is properly filled out, up to date and being followed.
- Protections for equipment such as berms / barriers / other measures have been established as needed.
- Any change of elevation and potential for rollover has been identified and addressed in the work plan.
- All safety devices are functioning (backup alarms, beacons, cameras, seatbelts, etc.).
- The operator completed their daily visual inspection (DVI)
- The crew has been reminded to get visual confirmation, to include bucket down and hands in the air, before approaching equipment operations.
- Spotters for the operation \_\_\_\_\_, \_\_\_\_\_ (spotter names) are competent.
- Work area is fully illuminated (or daylight).