

Hazard Awareness Campaign



Energy-Based Hazards during Log Truck Loading and Unloading



The energy magnitude of one log falling is enough to cause fatalities or serious injuries.

Formula: Potential energy = mass x gravity x height

Potential energy = 500 kg. (mass of log) x 9.81 m/s (gravity) x 2 m (high)

Potential energy = 9800 joules

To severely fracture a human skull, it is estimated that just 70 joules of kinetic energy is required.

What sources of potentially unsafe mechanical, environmental, sound, and biological energy can you think of in the above photo.

Safe Driving is Good Business