

MNMM Fatal 2005-34

- Machinery
- November 18, 2005 (Tennessee)
- Crushed Stone Operation
- Plant Operator/Repairman
- 52 years old
- 33 years mining experience

Overview

The victim was fatally injured when an electric motor suddenly moved as it was being lifted with a truck mounted mobile crane. He was standing between the motor and the crusher while a co-worker attempted to pry the motor off its mounting bolts.



Causal Factors

- A risk assessment to determine all possible hazards and to establish safe work procedures was not conducted prior to attempting to lift the motor. No procedures were in place to ensure persons were clear of suspended loads. The motor was not being lifted in a manner that protected persons from the hazard of the suspended load.

Causal Factors

- Standards and controls were inadequate and failed to ensure the crane was utilized properly. Instructions in the operator's manual were not followed prior to making the lift with the crane. The weight of the load being lifted was not within the manufacturer's specified lift capacity based on the angle and position of the boom.

Best Practices

- Stop, Look, Analyze, and Manage (SLAM) each task to identify all potential hazards. Practice safe work habits during the entire task.
- Disassemble all tensioned components to prevent a sudden release of energy before dismantling equipment.
- Position yourself only in areas where you will not be exposed to hazards resulting from a sudden release of energy.
- Train miners in safe work procedures and ensure they are familiar with manufacturer's recommendations before beginning repairs.