



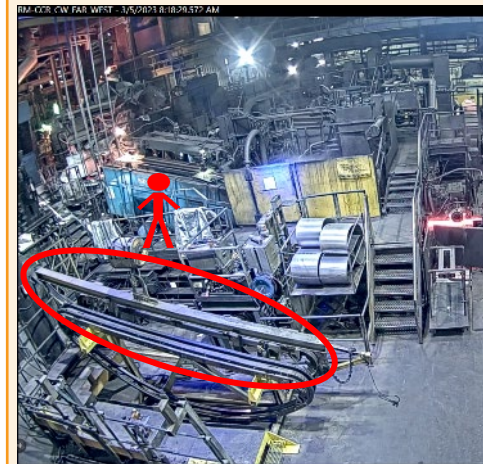
Potential Fatal Event: Crane Operations

Preliminary Incident Details

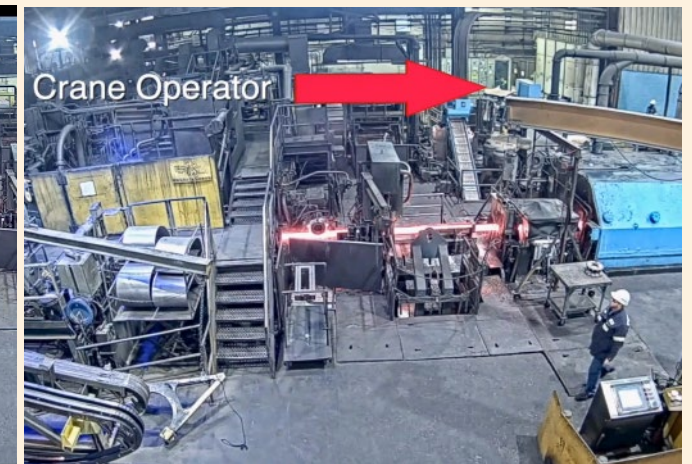
Operation	El Paso
Date / Time	March 5, 2023 / 8:18 a.m.
Type	Near Miss
Summary	An employee was using a crane to move wood / charcoal to the holding furnace area. The control box needed new batteries, so the employee walked to the mill office to switch them. The employee exited the office and started to operate the crane hook approximately 150 feet from the job site, not knowing it was hooked to the caster lifting spreader device. The device was pulled over onto the ground and hit the electrical conduit / light. Another employee was about 10-12 feet away from where the device landed.
Fatal Risk	Lifting Operations
Risk Category	Monitor
Pre / Post Rating	Significant (3) Possible (2)
Findings / Missing Controls	<ul style="list-style-type: none"> No positive communication of crane operation Crane was operated out of the line of sight No pre-op inspection
Applicable Policies / Procedures	Crane and Rigging Policy
Employee Condition	No injury
Contact	Roland Ruybe, Manager-Health and Safety

Photos / Links

[CLICK HERE TO WATCH VIDEO OF EVENT](#)



Caster attached to the crane.



• *Crane operator out of line of sight while operating the crane.*



Potential Fatal Event Learnings: Crane Operations

Causal Factors

Employee operated 20-ton crane hook without line of sight.

Action Items

Hierarchy of Controls

Crane remote will be locked in supervisor's office. The department supervisor will be responsible for handing the remote to qualified crane operators.

CA-1
Administrative

Evaluate options to lock and unlock keypad system for crane remote.

CA-2
Engineering

Evaluate options for proximity sensors for crane remote.

CA-3
Engineering

Failed Safeguards / Additional Learnings

Site will perform daily Fatal Risk Management verifications on crane operations for the 20-ton crane.

Fatal Risk Management Insufficient Controls

Barriers and Segregation – INSUFFICIENT

- Is the lifting operation controlled by barricading?
- Have I verified that the barricading has 360-degree coverage to prevent unintended access to the potential drop/loading/unloading zone?
- Is the exclusion zone large enough to protect people in the event of a load falling?
- Have I erected barricades as required?

Lifting Execution – INSUFFICIENT

- If there is a formal written lift plan, has it been completed and reviewed with the lift team?
- Does the work team have agreed communication protocols (e.g., radio, spotter, lights)?
- Have underground and overhead hazards been identified within the lift zone (e.g., active or abandoned utilities or mine works, tanks, structures, powerlines, trestles, etc.)?

Mechanical Integrity of Lifting Equipment – INSUFFICIENT

- Have I performed a walk around inspection of the lifting equipment prior to use?
- Have I verified that the annual certification of the lifting equipment to be used for the lifting operation is valid and current?
- Have I performed a pre-operational inspection on the lifting equipment prior to it being used?
- Has a competent person inspected the rigging and lifting equipment, and is the inspection current?