

Change Analysis Activity

Maintenance Accident

Description:

A Maintenance Tech incurred OSHA-recordable injuries while replacing a failed drive chain on a 50 ft. high bucket elevator at a northern Michigan plant. The incident occurred at 2:35 am on 2/21/20 during an emergency call-out. While installing the master link, the Tech's hand slipped and impacted the edge of the drive base. While climbing down the caged ladder, the Tech slipped and fell the last 6-feet, spraining his ankle. The injuries required 8-stitches and 2-weeks away from work. Since the job wasn't finished, two Maintenance Techs finished replacing the drive chain after daybreak using standard operating procedures and supervision.

Exercise:

Complete Change Analysis worksheet to determine possible contributing factors that could have led to this incident.

Change factor	Difference/Change	Effect	Questions to answer
What (conditions, occurrence, activity, equipment)			
When (occurred, identified, plant, status, schedule)			
Where (physical location, environmental conditions)			
How (work practice, omission, extraneous action, out of sequence procedure)			
Who (personnel involved, training, qualification, supervision)			

Source: DOW Root Cause Analysis Guidance Document, 1992