Safety Awareness and Communication - Essential Elements in the Safety Process

Mark Salo – U. S. Steel General Manager Safety & IH & REACH
SAFETY PERFORMANCE PROGRESS

Number of Engineering Controls Implemented. Procedures Implementation Launched

Engineering Controls continued being implemented. Procedures in Place. Focus on Safety Awareness and Engagement.

- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015

OSH A
DAFW
Clear Communications – Communication of an incident with/without injury to the entire organization is a key to ensuring the Hazard Identification and Risk Assessment process is immediately implemented plant wide and appropriate control measures are put in place to prevent reoccurrence.

A thorough investigation process is essential to ensure root causes are identified and proper corrective actions are implemented to eliminate identified hazards and address systemic issues.
PROACTIVE SAFETY RELATED PLANT WIDE PROCESSES

Proactive approaches to identify issues/concerns

- Corporate Safety Audits
- Walkabout Audits
- Housekeeping Audits
- Line by Line Hazard Assessments
- Self Assessment Hazard Audits
- Audit of Crane Operators’ Activity
- Radiation Safety Audit
- Interactive Day with Foremen
- Interactive Day with Crew Leader
- Interactive Day with Union Rep
- 5S Housekeeping Audits
Job task Hazard Identification and Risk Assessment

- Software application allowing Employees’ Representatives for Safety to enter any Unsafe Condition, Unsafe Procedure or Improvement Proposal.
- **5,930 items** identified since 2011 with 5,285 related to an unsafe condition and 499 proposals for improvement.
- Completion status is tracked on weekly basis.

- Software application allowing teams of employees to make risk assessments of hazards identified at worksites during work performance.
- More than **18,500 hazards** identified since October 2012 resulting in over **21,000 Control Measures** costing an estimated **11 million €**.
- New risks are presented weekly to Company Management and all employees are contacted on risks specific to their work on a monthly basis.
EMployees’ Awareness

- Safety Videos
- Safety Pocket Guides
- Safety Conversations
- Safety Posters/Banners
- Boards at Worksites
- War Rooms
- Safety Webpage
- Safety Cross
The purpose of Fatality Prevention Auditing is to identify and prevent/control potential fatal workplace hazards before they result in a fatality or serious injury.

Auditors seek out reasons, not just facts - the Why’s, not just the What’s.

The goal of the audit is Safety and Industrial Hygiene Program improvement and ultimately Safety Management System improvement, not people blaming/fixing.

Safety Cardinal Rules (Referring to Life Threatening Programs) in which the employee must primarily follow:

1. Energy Control Program - Always follow proper Energy Control Procedures (lookout/tryout) when required, never alter, remove, bypass, or make inoperative any safety device, alarm or sign.
2. Elevated Work and Fall Protection - Always use proper fall protection when working more than 1.5 m above ground level from an area unprotected by standard hand railings.
3. Mobile Equipment Program - Always obey warning signals at railroad crossings. Unless authorized, never climb over, under, on, or in between railroad cars. Always use a positive track protection, when working within 3 m from the railroad track center line.
4. Confined Space Entry Program - Always follow all the rules for Confined Space entry. Permits must be obtained and implemented prior to entering such spaces.
5. Gas Hazard Management Program - Always follow the rules and procedures for working in Gas Hazard Areas.
6. Molten Metal Employee Exposure Procedure - Always when entering areas defined as Red Zones must wear your personal protecting equipment for molten metal protection.
7. Crane Operation and Handling the Lifts - Always follow established procedures when boarding/de-boarding EOT cranes/crane runway, and never stand under a suspended lift.
Thank You for Your Attention

It All Starts with Leadership