



Safety Awareness and Communication - Essential Elements in the Safety Process

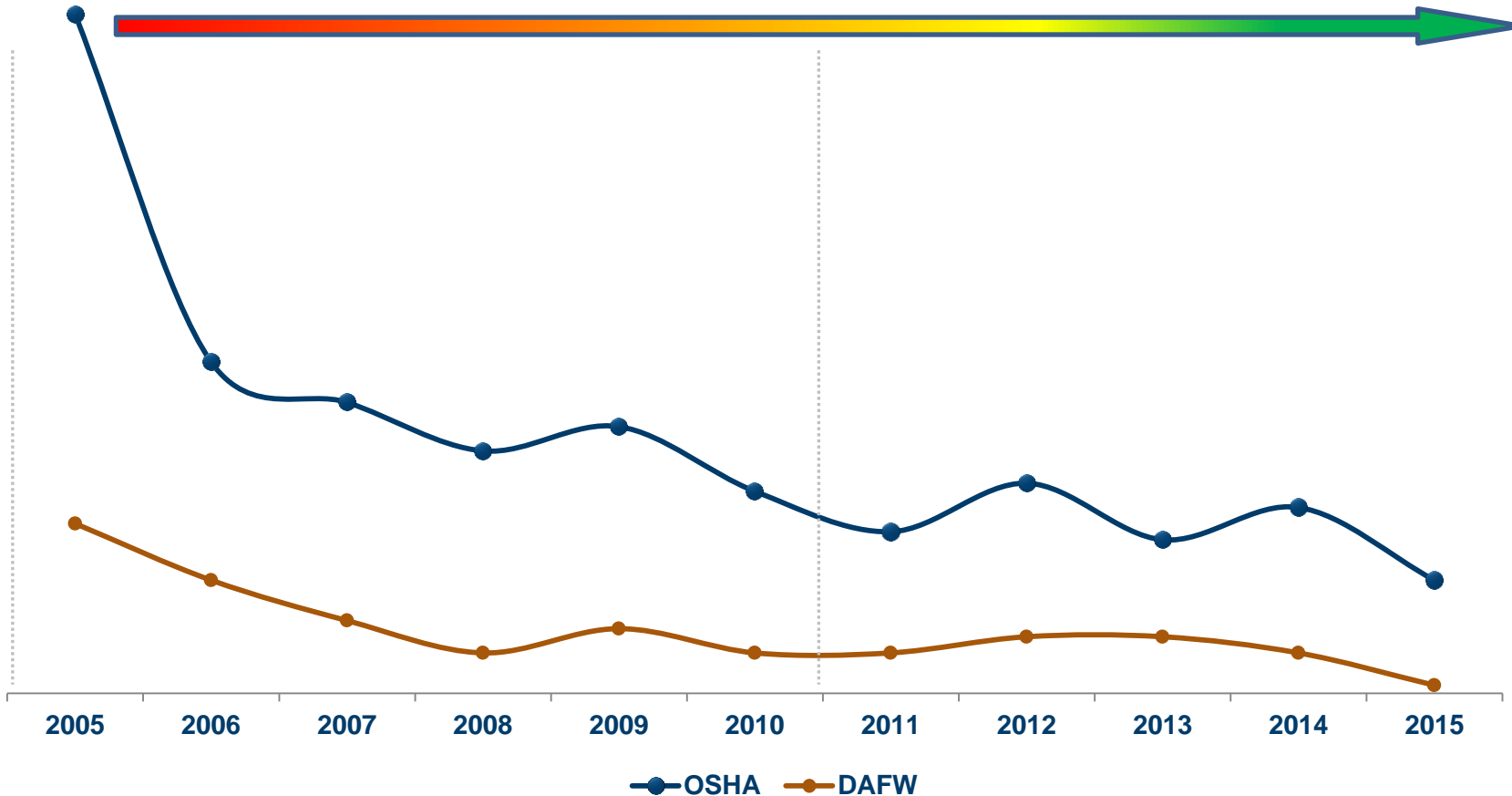
Mark Salo – U. S. Steel General Manager Safety & IH & REACH



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.**

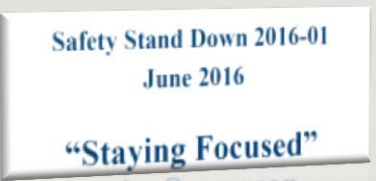
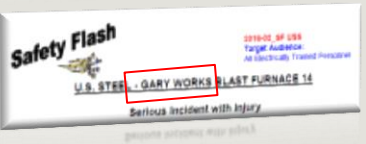




REACTIVE COMMUNICATION

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.



Before each task it is imperative that we **STOP & ACT**

STOP & ACT **STOP & ACT** **STOP & ACT**

A **Assess the Situation**

- Think about the task at hand
- Make *SAFETY* your focus.
- Assess the *DANGER ZONES*.
- Increase *AWARENESS* (understand your surroundings).
- Consider *"WHAT IF..."*
- Involve *COWORKERS* in the assessment

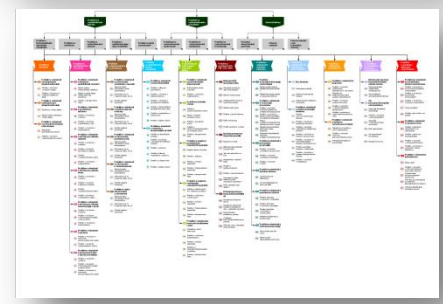
C **Consider the Options**

- Look at *ALL POSSIBLE SOLUTIONS* before acting.
- Consider what has *CHANGED* or what is *DIFFERENT*.
- Consider how your *ACTIONS* will effect your *COWORKERS*.
- Consider how your *ACTIONS* will effect the *EQUIPMENT* you are working on.

T **Take Appropriate Actions**

- After your *ANALYSIS*, choose the *SAFEST* method to complete your task.
- Make sure you *COMMUNICATE* your plan of action to your *COWORKERS*.
- **COMMUNICATE...**

COMMUNICATE...
COMMUNICATE...

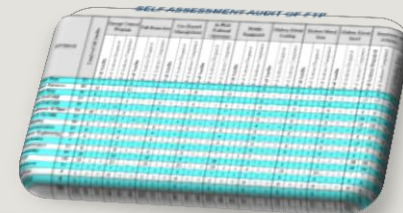
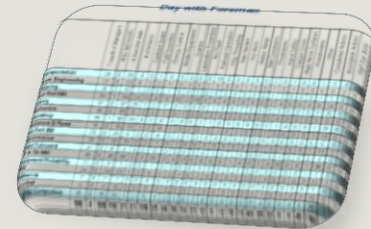




PROACTIVE SAFETY RELATED PLANT WIDE PROCESSES

Proactive approaches to identify issues/concerns

- Corporate Safety Audits
- Walkabout Audits
- Housekeeping Audits
- Line by Line Hazard Assessments
- Self Assessment 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





EMPLOYEES' ENGAGEMENT

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.



LABOR UNION FINDINGS FOLLOW UP
SAFETY REPRESENTATIVES ACTIVITIES - 2016
Summary YTD as of July 31, 2016

| Division | # of Findings | # of Findings | | # of Findings | | # of Findings | # of Findings | # of Findings | # of Findings |
|----------------------------|---------------|---------------|--------|---------------|--------|---------------|---------------|---------------|---------------|
| | | Open | Closed | Open | Closed | | | | |
| COKE PLANT | 48 | 1 | 47 | 0 | 0 | 0 | 0 | 0 | 0 |
| BLAST FURNACES | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| STEEL SHOP | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| TRANSPORTATION | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| POWER ENGINEERING | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| MECHANICS | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAINTENANCE | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| HOT ROLLING MILL | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| COLD ROLLING MILL | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| PIPES AND RADIATORS | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| COATED PRODUCTS & TIN MILL | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| EQUIPMENT RELIABILITY | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| SHIPPING | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| DAUGHTER COMPANIES | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 100 | 1 | 99 | 0 | 0 | 0 | 0 | 0 | 0 |



Matching of Risk Assessments in HIRA With SJP's in EDMS

| DIVISION | # Jobs in HIRA | # Documents in HIRA (SJP) | # Documents in EDMS (SJP) |
|----------------------------|----------------|---------------------------|---------------------------|
| COKE PLANT | 305 | 285 | 609 |
| BLAST FURNACES | 524 | 441 | 492 |
| STEEL SHOP | 1215 | 1109 | 1481 |
| TRANSPORTATION | 198 | 193 | 204 |
| POWER ENGINEERING | 500 | 428 | 302 |
| MECHANICS | 303 | 189 | 226 |
| MAINTENANCE | 223 | 206 | 180 |
| HOT ROLLING MILL | 269 | 137 | 336 |
| COLD ROLLING MILL | 458 | 457 | 431 |
| PIPES AND RADIATORS | 294 | 226 | 105 |
| COATED PRODUCTS & TIN MILL | 770 | 310 | 667 |
| EQUIPMENT RELIABILITY | 71 | 71 | 47 |
| SHIPPING | 81 | 64 | 51 |
| DAUGHTER COMPANIES | 623 | 452 | 379 |
| TOTAL | 5 834 | 4 573 | 5 510 |

Risk Summary YTD and for Last Week

| Division | # of Risks Identified | | | | # of Risks Addressed (Risks) | | | # of Outstanding Risks | | |
|----------------------------|-----------------------|----------|------|--------|------------------------------|-----------|-----|------------------------|-----|-----------|
| | NEW | EXISTING | OPEN | CLOSED | YTD | LAST WEEK | YTD | LAST WEEK | YTD | LAST WEEK |
| COKE PLANT | 271 | 141 | 7 | 1 | 205 | 5 | 0 | 0 | 0 | 0 |
| BLAST FURNACES | 132 | 42 | 0 | 0 | 119 | 0 | 13 | 0 | 0 | 0 |
| STEEL SHOP | 71 | 309 | 26 | 0 | 392 | 26 | 0 | 0 | 0 | 0 |
| TRANSPORTATION | 172 | 24 | 7 | 0 | 142 | 6 | 10 | 0 | 0 | 0 |
| POWER ENGINEERING | 118 | 26 | 0 | 0 | 118 | 0 | 0 | 0 | 0 | 0 |
| MECHANICS | 101 | 16 | 2 | 0 | 85 | 1 | 11 | 0 | 0 | 0 |
| MAINTENANCE | 167 | 32 | 2 | 1 | 156 | 2 | 10 | 0 | 0 | 0 |
| HOT ROLLING MILL | 73 | 25 | 2 | 0 | 90 | 1 | 13 | 0 | 0 | 0 |
| COLD ROLLING MILL | 171 | 2 | 7 | 1 | 154 | 7 | 17 | 0 | 0 | 0 |
| PIPES AND RADIATORS | 84 | 2 | 1 | 0 | 81 | 0 | 3 | 0 | 0 | 0 |
| COATED PRODUCTS & TIN MILL | 74 | 0 | 2 | 0 | 51 | 2 | 23 | 0 | 0 | 0 |
| EQUIPMENT RELIABILITY | 39 | 1 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 |
| SHIPPING | 32 | 0 | 0 | 0 | 28 | 0 | 4 | 0 | 0 | 0 |
| DAUGHTER COMPANIES | 364 | 201 | 48 | 31 | 300 | 47 | 4 | 0 | 0 | 0 |
| TOTAL | 2 537 | 488 | 108 | 32 | 2 381 | 87 | 175 | 0 | 0 | 0 |



EMPLOYEES' AWARENESS

- Safety Videos
- Safety Pocket Guides
- Safety Conversations
- Safety Posters/Banners
- Boards at Worksites
- War Rooms
- Safety Webpage
- Safety Cross



Proper Use of PPE in Our Industry

In situations where hazards are not eliminated by engineering controls or other means, Personal Protective Equipment is required to protect you from hazards. Always follow the procedures spelled out in your company's policies for selection, use and care of all your PPE. Never take it for granted and always wear it properly. Doing so can mean the difference between completing a job safely or experiencing a potential life-changing injury.

- PPE only protects you if you wear it each and every day
- One type of PPE will not protect you from all hazards. Be sure to always wear the proper PPE for the hazards that you encounter
- PPE can leave gaps in your protection if not worn properly. Always assure your PPE is worn properly
- Assure your PPE remains in good condition by inspecting it at the beginning of every shift and be sure to store it properly at the end of every shift

U. S. Steel Košice, s.r.o. – Safety KPI 6/2016:



U. S. Steel Košice, s.r.o.
A Subsidiary of United States Steel

Life Threatening Programs

Pocket Safety Guide
"Safety is a Core Value"

3 2222 – FIRE /AMBULANCE

3 3221 – MAIN DISPATCH

Safety Conversation Packet Guide

Employee Initiated Conversation

Employee approaches Manager with the desire to have a safety conversation

Openly accept employee's desire to have a safety conversation

Discuss employee's safety concern(s) or issue(s)

Discuss potential incident or injury consequences

Discuss alternatives &/or solutions to address employee's concern(s)/issue(s)

Reinforce your expectation of the employee to work safely

Gain employee's commitment to work safely

Thank the employee

Conversation Follow-Up Action

If employee concern required follow-up action, NOTIFY employee when complete; otherwise, no further action is needed

AVOIDING LACERATIONS

ELECTRICAL SAFETY



**VEŠKOVÁ PRÍLUKA
OCHRANA PRED ELEKTRICKYM
OBLOKOM**

1. NEVÝKONAJTE PRÁCU V NEBEZPEČNÝCH ZÓNACH ELEKTRICKÝCH OBLOKOV. VEŠKOVÁ PRÍLUKA JE VÝKONNÝ PRÍSTROJ, KTORÝ JE VYUŽÍVANÝ NA PRÁCU V NEBEZPEČNÝCH ZÓNACH ELEKTRICKÝCH OBLOKOV. PRÁCA V NEBEZPEČNÝCH ZÓNACH ELEKTRICKÝCH OBLOKOV JE VYKONÁVANÁ V PRÍTOMNOSTI VŠETKÝCH PRÁCOVÝCH ČLÁNOV. PRÁCA V NEBEZPEČNÝCH ZÓNACH ELEKTRICKÝCH OBLOKOV JE VYKONÁVANÁ V PRÍTOMNOSTI VŠETKÝCH PRÁCOVÝCH ČLÁNOV.

SAFE USE OF WIRE ROPE CLAMPS

Examples of proper clamp installation



Examples of improper clamp installation



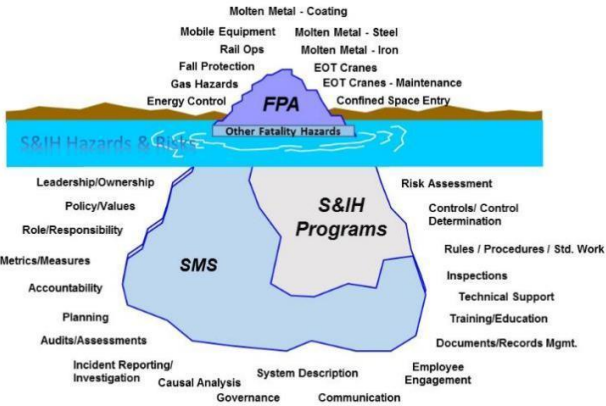
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LIFE THREATENING PROGRAMS – FATALITY PREVENTION AUDIT

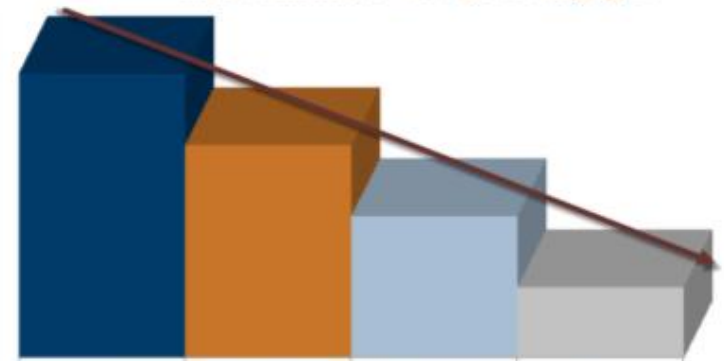
- The purpose of Fatality Prevention Auditing is to identify and prevent/control potential fatal workplace hazards before they result in a fatality or serious injury.
- Auditors seek out reasons, not just facts - the Why's, not just the What's.
- The goal of the audit is **Safety and Industrial Hygiene 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 (lockout/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.

Our Destination - Everyone Engaged



We Need Commitment and Ideas from EVERYONE



Thank You for Your Attention



It All Starts with Leadership