HSE Performance Measurement throughout Hazards’ Communication and Risk Management Process

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Basic aspects of any company
The Iceberg theory

Medical (doctor visits, physical therapy, medicine, etc.)

- Reduced productivity
- Accident investigation
- Administrative costs
- Lost time by supervisor
- Costs of training replacement worker
- Overtime
- Legal fees
- Equipment repair
- Negative publicity
- Damage to customer relations
The Safety Pyramid

- Fatalities
- Major Loss injuries
- Recordable Incidents
- Near Misses

Corrective actions

Effective reporting system

Exponential increase in number

Hazards, Unsafe Acts and/or Unsafe Conditions
Worksite Analysis

• Examine the worksite and identify:
  -- existing hazards
  -- conditions and operations where changes might occur to create hazards
• Actively analyze the work and the worksite to *anticipate* and prevent hazards
Risk management & communication, WHY ?!

- Legal requirement;
- Hazard identification & control measures;
- Performance measurement to the HSE system;
- HSE culture;
- Documentation, useful archive & data records;
- Warning system to stakeholders & shareholders.
Risk communication modal

- Proactive communication
- Reactive communication

HAZARD

CONSEQUENCE

INCIDENT
Reactive: Incident communication

- Incident announcement
- Medical treatment cases
- Emergency response
- MIA, HIPO, Fatalities, DAFWC, RWC, FAC, and MTC
Proactive: Hazard communication

- Near hit occurrences
- HSE observation
- Safety conversation
- Training hours
Why being proactive

Reactive approach

Reacting to events
Logging accidents
Looking downstream
Incident rates
Will do ..... 

Proactive approach

Being proactive
Preventing accidents
Looking upstream
% safety
Want to .....
HSE Performance Matrix

HSE performance matrix
The risk communication balance
Keep in Mind

- Safety is everyone's responsibility
- Effective communication is the link between safety and improvement
- Follow up action is crucial to the development of risk management process
- Performance measurement is important to know where we are & where to move
- When facing troubles just effectively communicate
Coincident or what?

If,
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Equals,
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

Then,
K + N + O + W + L + E + D + G + E
11 + 14 + 15 + 23 + 12 + 5 + 4 + 7 + 5 = 96%

H + A + R + D + W + O + R + K
8 + 1 + 18 + 4 + 23 + 15 + 18 + 11 = 98%

Both are important, but the total falls just short of 100%

But ..........
Safety and incident prevention

Depends how much on ATTITUDE?

\[
\begin{array}{c}
A &= 1 \\
T &= 20 \\
T &= 20 \\
I &= 9 \\
T &= 20 \\
U &= 21 \\
D &= 4 \\
E &= 5 \\
\end{array}
\]

100%

Safety really is about attitude. Make 100% Safe Behavior your choice both ON and OFF the job.
Thank you for your attention

» Farid Bouacha