



THE ROAD TO ZERO

FOSTERING A ZERO ACCIDENT CULTURE

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GUIDING PRINCIPLES

Prevention starts at the top

- ▶ Accident prevention must start at the top of the organization, requires teamwork and participation of all employees.

GUIDING PRINCIPLES

Commitment at all levels

- ▶ Accident prevention requires the commitment and best efforts of all levels; from the top official to the front-line employee.

GUIDING PRINCIPLES

Individual empowerment

- ▶ Every individual must be empowered to act in the best interest of safety.

REQUIREMENTS FOR AN ORGANIZED ACCIDENT PREVENTION PROCESS

Establish goals and policies

- ▶ Goal: Achieve zero injuries
- ▶ Policy: Safety must be an integral part of all activities and must not be compromised.

REQUIREMENTS FOR AN ORGANIZED ACCIDENT PREVENTION PROCESS

Provide means to achieve goals

- ▶ Resources
- ▶ Time
- ▶ Empowerment

REQUIREMENTS FOR AN ORGANIZED ACCIDENT PREVENTION PROCESS

Establish and communicate responsibilities

- ▶ All safety responsibilities and use of accident prevention tools must be covered
- ▶ Many are applicable on multiple levels

REQUIREMENTS FOR AN ORGANIZED ACCIDENT PREVENTION PROCESS

Develop knowledge and skill requirements

- ▶ Train every level in how to carry out their safety responsibilities and use of accident prevention tools

REQUIREMENTS FOR AN ORGANIZED ACCIDENT PREVENTION PROCESS

Create favorable safety motivation

- ▶ Develop at all levels through training, reasoning, incentives, and most importantly, personal example

REQUIREMENTS FOR AN ORGANIZED ACCIDENT PREVENTION PROCESS

- ▶ Provide accountability

ACCIDENT PREVENTION TOOLS

- ▶ Job Safety Analysis
- ▶ Rules and procedures
- ▶ Training
 - ▶ 65%+ of workplace fatalities occur to workers with less than 1-year of experience.
- ▶ Observations
- ▶ Inspections
- ▶ Accident investigation

RISK ANALYSIS

Develop a Risk Analysis

- ▶ Analyze prior accidents
 - ▶ Accident frequency data / Potential severity
- ▶ On-site observation
 - ▶ Start with high risk processes and jobs
 - ▶ Identify hazards and potential accidents

SAFETY TRAINING

Recognized hazards and safety procedures

- ▶ Laws are created to address safety and health hazards.
- ▶ Compliance with the law is integrally tied to safety and health progress in an organization.

SAFETY TRAINING

New employee orientation

- ▶ Company policy on accident prevention
- ▶ Employee's responsibilities for working safely
- ▶ Job specific hazards
- ▶ Critical safety rules/ procedures
- ▶ Potential accidents
- ▶ Likely unsafe practices
- ▶ Required protective equipment

PLANNED SAFETY OBSERVATIONS

- ▶ Correct unsafe practices on the spot
- ▶ Conduct systematic and regular observations
 - ▶ All levels of supervision
- ▶ Jobs and employees that require increased observations
- ▶ Benefits of planned observations
 - ▶ Check the effectiveness of training



PLANNED SAFETY INSPECTIONS

- ▶ Correct unsafe condition on the spot
- ▶ Conduct systematic and regular inspections
- ▶ Develop safety inspection analyses
 - ▶ Define what conditions to look for
 - ▶ Define how often to inspect for each level
- ▶ Use safety inspection checklists
 - ▶ Less likely items will be overlooked
 - ▶ Provides a basis for reporting inspection findings



ACCIDENT INVESTIGATION, REPORTING, AND FOLLOW-UP

- ▶ Establish actions to prevent recurrence
- ▶ Report all accidents, including “near miss”
- ▶ Analyze causes and recommend actions
- ▶ Control planned corrective actions
- ▶ Conduct accident data analysis

MOTIVATING EMPLOYEES TO WORK SAFELY

- ▶ Get involved and lead by example
- ▶ Clearly communicate responsibilities
- ▶ Decrease disincentives
 - ▶ Must be consistent, firm and fair
 - ▶ Educate employees so they know what to expect
- ▶ Overcoming the “its always been done that way” mentality

THE TIP OF THE ICEBERG

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- ▶ Medical
- ▶ Compensation

\$4 to \$10

Uninsured Miscellaneous Costs

- ▶ Investigation time
- ▶ Cost of hiring and/or training replacements
- ▶ Overtime
- ▶ Extra supervisory time
- ▶ Clerical time
- ▶ Wages not compensated
- ▶ Down time
- ▶ Negative public image
- ▶ Legal fees
- ▶ Reduced Employee Morale

CONTACT INFORMATION

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