

The Road to Zero:

A Strategy for an Effective Accident
Prevention Program

Guiding Principles

- Prevention starts at the top
- Commitment at all levels
- Individual empowerment

** A significant portion of this presentation is based on the Bethlehem Steel safety manual.*

Requirements for an Organized Accident Prevention Process

- Establish goals and policies
- Provide means to achieve goals
- Establish and communicate responsibilities
- Develop knowledge and skill requirements
- Create favorable safety motivation
- Provide accountability

Accident Prevention Tools

- Risk analysis
- Rules and procedures
- Training
- Observations
- Inspections
- Accident investigation

Risk Analysis

- Identify hazards and potential accidents
- Develop preventive measures
- Start with high risks
- Develop a Risk Analysis
- Use Risk Analysis as training guide

Safety Training

- Know hazards and safety procedures
- New employee orientation
- Pre-job safety instructions
- Planned safety contacts

Planned Safety Observations

- Correct unsafe practices
- Conduct systematic and regular observations
- Jobs and employees that require increased observations
- Benefits of planned observations

Planned Safety Inspections

- Correct unsafe condition on the spot
- Conduct systematic and regular inspections
- Develop safety inspection analyses
- Use safety inspection checklists

Accident Investigation, Reporting, and Follow-Up

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

Motivating Employees to Work Safely

- Lead by example
- Develop a foundation for cooperation
- Increase incentives and decrease disincentives

Evaluating Safety Performance

- Data analysis and statistics
- Accident prevention tools
- Internal audits

Managing an Effective Accident Prevention Process

- Get involved and lead by example
- Promote accident prevention tools and objectives
- Clearly communicate responsibilities
- Have a written plan
- Make time to use accident prevention tools effectively