Principles of Safety

Introduction
- Safety is no longer just the following of OSHA regulations
- It is the coordination of all departments to produce the greatest profit for the company at the most minimal risk

The importance of safety
- three main reasons
  1. Economic
  2. Legal
  3. Moral
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• Economic
  – worker compensation
  – medical bills
  – abatement costs
  – equipment damage
  – OSHA fines
  – loss of productivity

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• Legal
  – OSHA regulations and fines
  – Worker compensation laws
  – Third party lawsuits
  – General liability

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• Moral Issues
  – Safety is just the right thing to do for your employees
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• What to do

  – The best thing to do is to recognize and control hazards before they ever impact your business.

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• Two types of common hazards

  – 1. Physical hazards
  – 2. Industrial Hygiene hazards

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• Physical Hazards
  – electrical defects
  – crane and lift truck operation
  – welding equipment
  – ladder use
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• Industrial Hygiene
  – silica exposure
  – chemical exposure
  – noise exposure
  – temperature extremes

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• Hazard Control
  – Three techniques
    • 1. Engineering controls
    • 2. Personal Protective Equipment (PPE)
    • 3. Administrative controls

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• Engineering
  – are the most effective
  – they absolutely control or remove the hazards from an operation
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• Personal Protective Equipment (PPE)
  – can be very effective, but you must count on the employee to properly use the equipment

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• Administrative Controls
  – these are the paper programs that are usually used to dictate a procedure that must be followed or the amount of time and severity an employee may be exposed to a hazard

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• Administrative Controls
  – Some Necessary Safety Programs
    • 1. Hazard Communication
    • 2. Confined Space Entry
    • 3. Lift Truck Operation
    • 4. Lockout/Tagout
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- Where to get help
  - NPCA
  - Insurance Company
  - State OSHA consultation programs
  - OSHA