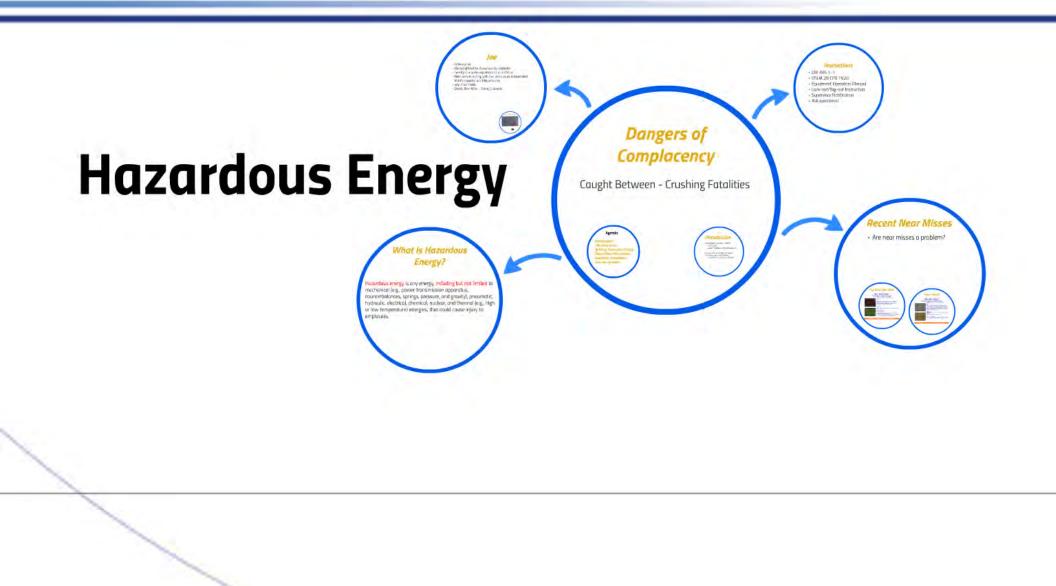
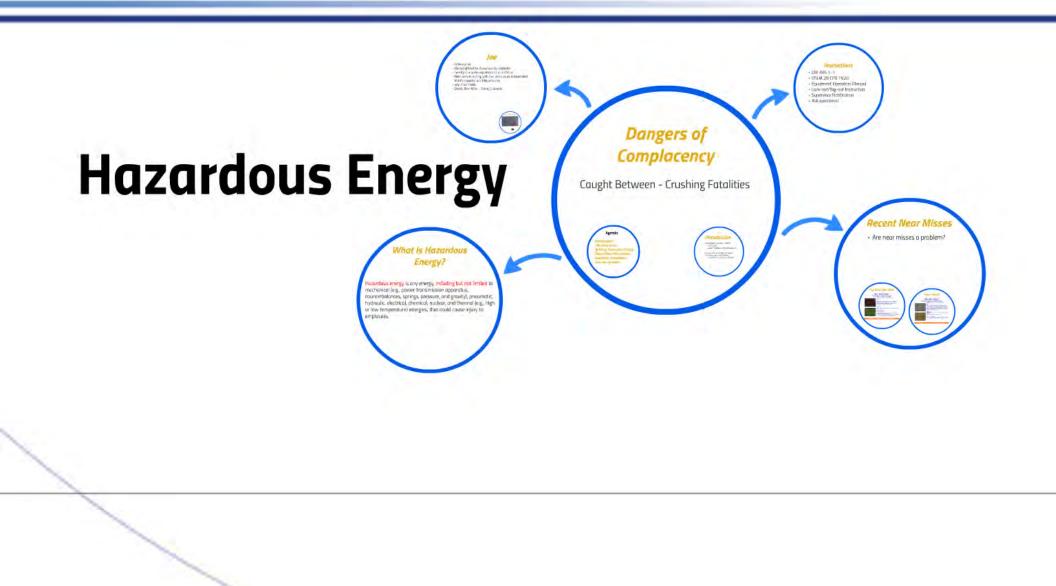
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Equipi
Lock-c
Supervision
Ask qui

Dangers of Complacency

Caught Between - Crushing Fatalities





LCDR Matthew Mattivi - DRDICC
 929-9384
 emoil: matthew.mattivi@fe.navy.mil

Facus on #4 of the "Big four Facus"
 20% of accupational fatalities
 Construction Industry (90/week)

Agenda

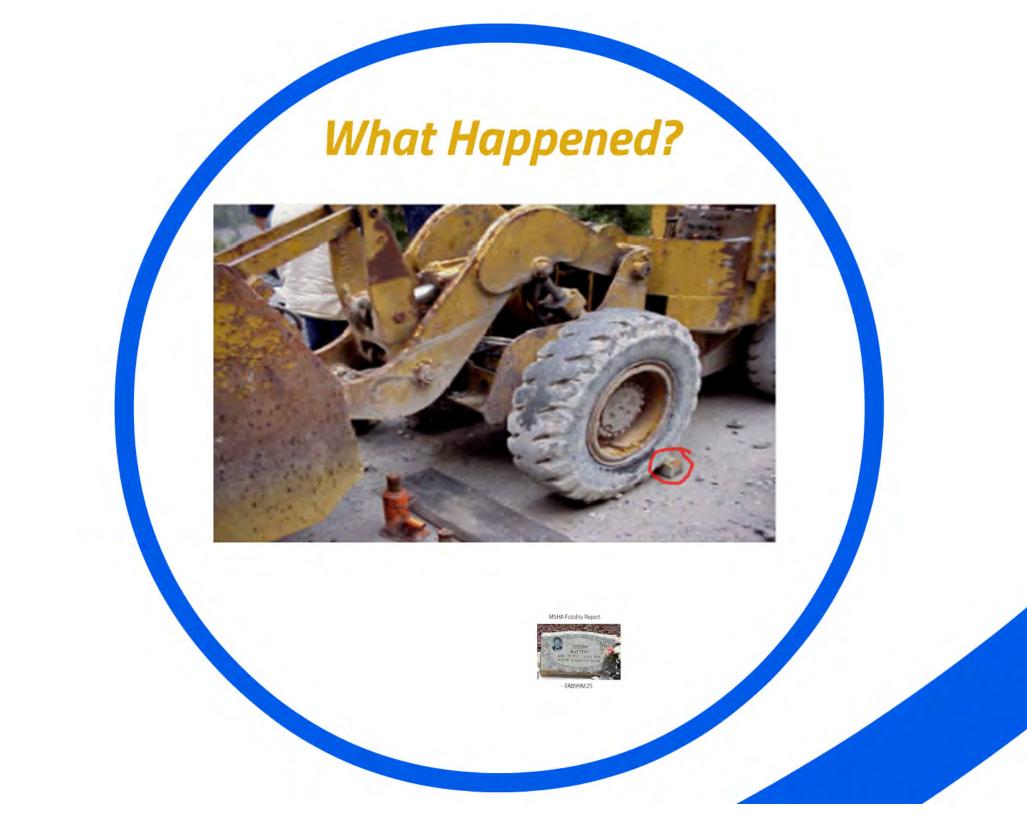
- Introductions
- The story of Joe
- Defining Hazardous Energy
- Recent Near Miss details
- Governing Instructions
- How we do better

Introduction

- LCDR Matthew Mattivi DROICC
 - 929-8384
 - email: matthew.mattivi@fe.navy.mil
- Focus on #4 of the "Big four Focus"
- 20% of occupational fatalities
 - Construction Industry (90/week)

Joe

- Father of six
- Elected official for Ouray County, Colorado
- Twenty nine years experience as a mechanic
- Nine years in mining with four years as an independent
 MSHA inspector San Miguel mines
- July 21st, 1999
- Grizzly Bear Mine Ouray, Colorado







MSHA Fatality Report



- FAB99M25

What is Hazardous Energy?

Hazardous energy is any energy, including but not limited to mechanical (e.g., power transmission apparatus, counterbalances, springs, pressure, and gravity), pneumatic, hydraulic, electrical, chemical, nuclear, and thermal (e.g., high or low temperature) energies, that could cause injury to employees.

Recent Near Misses

• Are near misses a problem?











Flat Rack Near Miss

Near Miss Report Flat Rack Trailer Sinkage



Potential Outcome: Personnel injury / property damage



A flat rack trailer was staged along right of way in preparations for offloading of pipes, due to the ground conditions and recent weather conditions, the trailers landing gear began to slowly sink into the ground caused by the weight of the load overnight.

Possible Causes



· Failure to evaluate ground conditions for stability prior to releasing load from trailer.

Behaviors to be Learned

- Prior to staging of trailers loads shall be evaluated for stable ground conditions prior to releasing load from tractor.
- · Use of dunnage under landing gear of trailer or repositioning trailer to a more suitable location prior to releasing load from trailer.

What can go wrong?

What can I do about it?

If I can't do anything about it, whom do I tell?



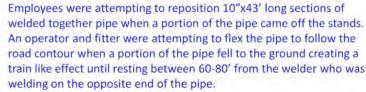


Pipe roll-off

Near Miss Report Pipe Pushed Off Pipe Stands

Potential Outcome: Personnel injury / property damage

Activity



Possible Causes

- Failure to notify and remove welder from area prior to repositioning pipe sections
- Failure to verify all personnel are clear of pipe

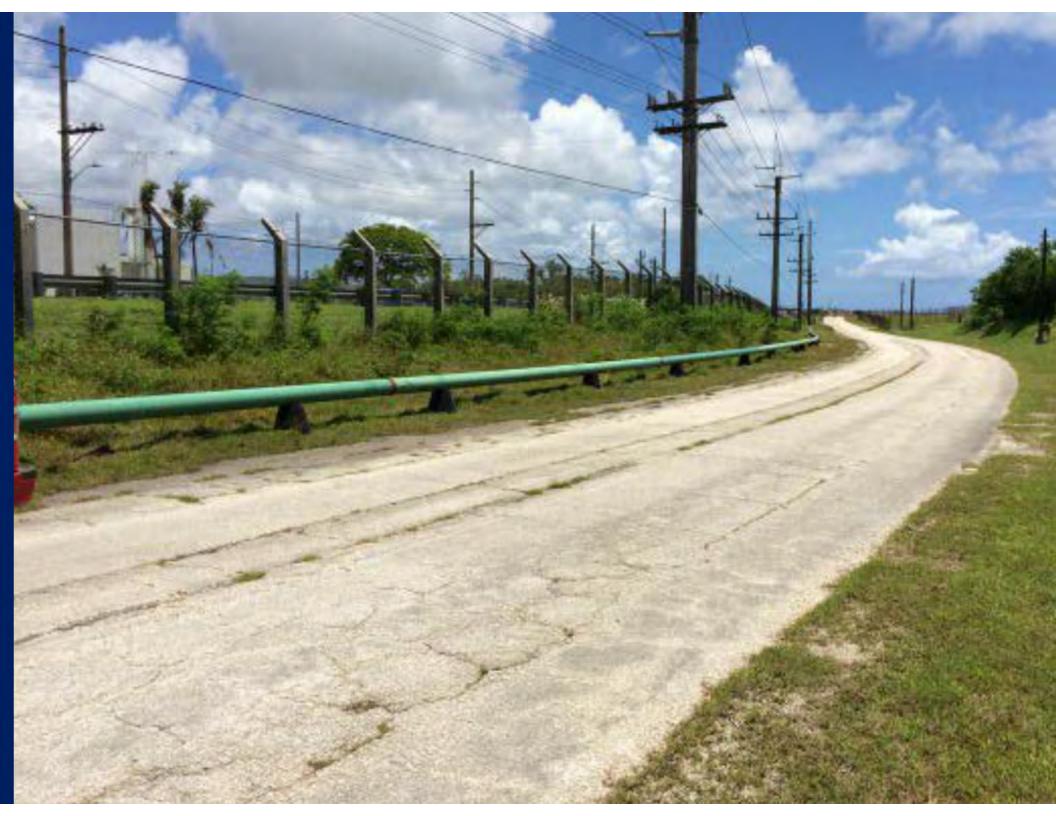
Behaviors to be Learned

- · Ensure everyone is clear of the pipe prior to moving or repositioning
- · Pre-plan each lift so that pipe is handled in a controlled manner

What can go wrong?

What can I do about it? If I can't do anything about it, whom do I tell?





Instructions

- EM 385 1-1
- OSHA 29 CFR 1926
- Equipment Operators Manual
- Lock-out/Tag-out Instruction
- Supervisor Notification
- Ask questions!

Recent Near Miss d Governing Instruction How we do better



