Welcome!

BURIED ALIVE
A SURVIVOR’S STORY

by JOE TANTARELLI
Ohio worker's death highlights grim 2016 national stat:
trench collapse fatalities have more than doubled

OSHA cites 33-year-old man’s employer for willful, serious safety violations

Trenching Injuries & Deaths

Source: osha.gov

https://www.osha.gov/SLTC/trenchingexcavation/index.html
November 17, 2016

Ohio worker’s death highlights grim 2016 national stat:
trench collapse fatalities have more than doubled
OSHA cites 33-year-old man’s employer for willful, serious safety violations

WASHINGTON TOWNSHIP, Ohio - OSHA cited an Ohio company after a 33-year-old employee was crushed to death in June 2016 as he was digging soil out of the 12-foot trench in Washington Township, when the trench walls around him collapsed - burying him in thousands of pounds of dirt. Rescue workers recovered his body a few hours later.

He is one of 23 workers killed, and 12 others who reported injuries in trench collapses in 2016. Trench collapses are rarely survivable. One cubic yard of soil can weigh up to 3,000 lbs. - the weight of a small automobile - giving a worker in a trench little chance of survival when walls of soil collapse.

“Trench deaths have more than doubled nationwide since last year - an alarming and unacceptable trend that must be halted,” said Dr. David Michaels, assistant secretary of labor for the Occupational Safety and Health Administration. “There is no excuse. These fatalities are completely preventable by complying with OSHA standards that every construction contractor should know.”

An investigation by the U.S. Department of Labor’s Occupational Safety and Health Administration found his employer, KRW Plumbing LLC, did not provide trench cave-in protection for its employees. OSHA cited the company for two willful and two serious safety violations on Nov. 8, 2016, after the agency completed its investigation into the June 15, 2016, death and a subsequent investigation opened in October 2016.

TRENCHING INJURIES & DEATHS

Do you think this was his first encounter with a trench collapse?
In the first five months of 2017, 15 deaths and 19 injuries related to trench and excavation operations have been reported nationwide.
Joe Tantarelli

- Workplace Safety Consultant and Implementation Specialist.
- Site Development (Earth Moving and Excavation) Construction for nearly 40 years. From shovel to General Manager.
- Safety and Production Training Specialist for Site Development and Municipal Infrastructure.
- Damage Prevention Manager
Complacency in the Workplace

By Gary A. Higbee
Joe Tantarelli

Conference Speaker

- Army Corps of Engineers Construction Roundtable,
- Kentucky’s Governor’s Safety and Health Conference,
- Ohio BWC Safety Expo,
- Kentucky League of Cities Insurance Services,
- Georgia Safety Health and Environmental Conference,
- Keynote and Breakout Sessions at ASSE Conferences,
- National Safety Council Conference,
- Numerous Safety Expos across North America.
The 4 States

- Rushing
- Frustration
- Fatigue
- Complacency

These four states... can cause or contribute to these critical errors...

- Eyes not on Task
- Mind not on Task
- Line-of-Fire
- Balance/Traction/Grip

...which increase the risk of injury.
**Awareness/Complacency Continuum**

**Awareness:** risk consciousness while driving, working, walking, biking, etc.

**First Stage of Complacency:** no longer pre-occupied with the risk so your mind can wander

**Second Stage of Complacency:** no longer thinking about the risk unless external stimulus occurs (no “internal” stimulus or fear)

**MULTI-TASKING**
STATES cause ERRORS, which in turn INCREASE RISK

- Rushing
- Frustration
- Fatigue
- Complacency
- Eyes Not on Task
- Mind Not on Task
- Line-of-Fire
- Balance, Traction, Grip

HAZARDS

MAJOR
MINOR
CLOSE CALLS

HAZARDS WITH A CRITICAL ERROR

to become
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THE 4 STATES

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The 4 Errors

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THE 4 ERRORS

EYES NOT ON TASK
MIND NOT ON TASK
LINE-OF-FIRE

BALANCE, TRACTION, GRIP
Let’s Go Back In Time

Way back.

OK. Not quite that far back!
June 6th

That’s more like it.
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...*which increase the risk of injury.*
When Disaster Strikes

It's in this moment when you realize that every second matters when saving someone's life...
Is When It’s Already Too Late

…and in that same moment you realize that even a single second is too late to try and save them.
Where it all began

MY FAMILY THEN
Many years later
My Grandchildren
GRANDPARENTS BE LIKE
ONE LITTLE SNACK
BEFORE YOU GO HOME
These four states...

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- Frustration
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- Complacency

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Weak Point
Joe Tantarelli

Critical Error Reduction Techniques (CERT)

1. Self-trigger on the state (or amount of hazardous energy) so you don’t make a critical error.

2. Analyze close calls and small errors (to prevent agonizing over big ones).

3. Look at others for the patterns that increase the risk of injury.

4. Work on habits.

My Story
PROTECT WORKERS IN TRENCHES

Prevent trench collapses and save lives:

**SLOPE** or bench trench walls,

**SHORE** trench walls with supports, or

**SHIELD** trench walls with trench boxes

[Website and contact information]

[Image of construction site with text overlay]
Off the Job vs On the Job

Unfortunately, there are nearly three times as many off-the-job injuries as on-the-job fatalities.

Clap Along if You Know What Happiness is to You! ♪♫
Please, fill out the Lead Sheet and be sure to add your comments!

You may leave it at your seat after filling it out.
Your input is greatly appreciated!
Thank you for your participation!

Joe Tantarelli
SAFESTART CONSULTANT/ PRESENTER