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# Delivering Quality Training for Your Company





# Introductions...

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**Chad Stuart**

*Safety & Risk Specialist*



# Learning Outcomes

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- Maintaining an operations-focused perspective
  - **Profitability Potential, Asset Protection, Reducing Cost**
- Define measurable expectations for tasks & equipment
- Create defensible training curriculums
- Develop objective-based training plans
- Deliver effective, efficient training at any venue
  - **Classroom, Webinars, Onsite, One-on-One**
- Maximizing education and training opportunities
  - **Daily Pre-Task Plans, Crew Meetings, Observations, Coaching**
- Foreman/Supervisor role in employee education and training performance



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# What is Training?

Maybe we should start by asking:  
*What has training become?*





# What training has become...

- Annual training
  - **Form of punishment for some**
- Toolbox talks
  - **Canned, check-the-box nonsense with no impact on daily operations**
- Video
  - **Press play, leave the room, come back and make sure no one escaped or fell asleep**
- “One-n-Done”
  - **Slam generic information and demand unrealistic expectations, never reinforced**
- Post incident
  - **Something went horribly wrong and now we “have to” train**
- Following a “bad” OSHA inspection
  - **We got caught now someone needs to do something**

**Please Note: these forms of training can be effective when they are used as part of an overall training and education strategy.**



# Reduced to Bogus Sign-in Sheets

- Client obligation or legal requirement
- Train because, “*We have to.*”
  - **Need to have Everyone’s Signature!**
- Habitual documentation because, “*I said so.*”
  - **Morning Check-the-Box Ritual...*sham disguised as something of value***
  - **“Frankenstein” Creation by someone Important**
- Zero impact on the production plan
  - **Separate, Unattached and Outside of Normal Operations**
  - **No Engagement**
  - **No Practical Application**



# Common Problems

- Wrong time and place – *information is perishable*
  - **Training in the winter for operations that don't start for several months**
  - **No Follow-up, No Reinforcement when Operations are Running**
- Perception that Training is the Problem
  - **We trained on \_\_\_\_ but nothing changed, so why should I Train more?**
- Classroom instruction without hands-on learning
  - **Example: Defensive Driving, Equipment or Tools**
- Train once and “We’re Good”.....for eternity
  - **Since its already been done.....why should we do it again?**
- The instructor’s a joke



# Training is More than only Safety

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- Quality control
- Standard operating procedures
- Means and methods
- Equipment and machinery operation/use
- Industry/product knowledge
- Customer service
- Sales
- Inspection
- Maintenance
- Onboarding or New Employee Orientation
- Computer Use or New Programs






# Most Common Form of Training

## Safety

- **OSHA**
  - Aerial Lifts
  - Confined Space
  - Excavation
  - Fall Protection
  - Forklifts
  - Silica
- **DOT**
  - Pre/Post Trip Inspections
  - Load Securement
- **Environmental**
  - Storm Water & Erosion Control

## Define Safety Training

- Necessary Precautions
  1. **Task**
  2. **Equipment** **Exposure**
- Develop a Common Understanding
  - **What do you want crews to KNOW?**
    - *Knowledge*
  - **What do you need crews to DO?**
    - *Skill*



# Is Your Strategy Effective?

No amount of “*Safety*” can make up for poor project planning and ineffective leadership.

**Expectation**



**Execution**



**Determines  
“Quality”**

Written policies stuffed into a dusty safety manual do nothing for employees who lack knowledge and skill and do not prevent leadership from directing employees to make wrong choices.



# Common Sense Does Not Exist!

- There's No such Thing as Common Sense!
  - No 2 People See, Hear, Think, Act, Respond, Know, Perceive, Interpret, Learn, Believe, Understand, Apply, Use, etc. Information Exactly the Same
  - There is Nothing Common about our Experiences and what We May or May Not have Learned along our Life's Journey or Work Experience
- Common Sense assumes You:
  - Think How I Think
  - See How I See
  - Believe What I Believe
  - Respond How I Will Respond



**One Method that Ineffective Foremen/Supervisors Use to Blame the Worker for their Lack of Leadership Ability, Knowledge and Skill**

**Assume a Level of Competency without Assessment**

After an incident, has any one ever heard someone say:

*“This never would have happened if he/she would have had some common sense”*



# One Example of Common Sense



**Did You take a Few Moments to Create a Common Understanding?**

One of the best ways to waste time, money and employee potential is to use Common Sense as a method of measuring and managing employee knowledge and skill.

 **Poll locked.** Responses not accepted.

True

False

# Develop a “*Common Understanding*”

- Common Understanding = Consistency = Predictability
  - **All eyes seeing the same**
  - **All responses are comparable/equivalent**
  - **All actions are performed in a similar manner**
- Following Training, all Employees can Answer:
  - **What do you want me to KNOW?**
  - **What do you need me to DO?**
- Maintain a Technical but Practical Focus on:
  1. **TASK being performed** – *logical sequences...results*
  2. **EQUIPMENT being used** – *how to...what will happen*

# Training helps to define expectations based on the \_\_\_\_\_.

 **Poll locked.** Responses not accepted.

Tasks performed

Equipment being used

Tasks performed and Equipment being used

Quality of the training

# Essential Element for Success

If you want employees to...

- *Work "Safe"*
- *Increase Production*
- *Improve Efficiencies*
- *Reduce Costs*
- *Advance Quality Control*

...then you must describe the change you want to see in actions that are observable and measurable.

- Outline the activities
- Articulate the steps
- Define the actions
- Identify the results



**It's as simple as:  
IF YOU CAN'T SEE IT,  
THEN IT'S NOT  
HAPPENING**





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# Difference between Education and Training



# Training vs. Education

## Training

### Meaning

- Process of developing specific skills in a person

### What is it?

- Method of skill development

### Based on

- Practical application

### Perspective

- Narrow

### Involves

- Practical application

### Objective

- To improve performance and productivity

### Teaches

- Specific task or equipment

## Education

- Theoretical learning in a classroom or institution

- Typical form of learning

- Theoretical orientation

- Wide

- Developing knowledge

- To develop a sense of reasoning and judgement

- General concepts, theories and perceptions

**Training focuses on developing specific skills while education teaches general concepts, theories, and perceptions.**

 **Poll locked.** Responses not accepted.

True

False



# **Common Misunderstanding about the Results Training is Supposed to Achieve**

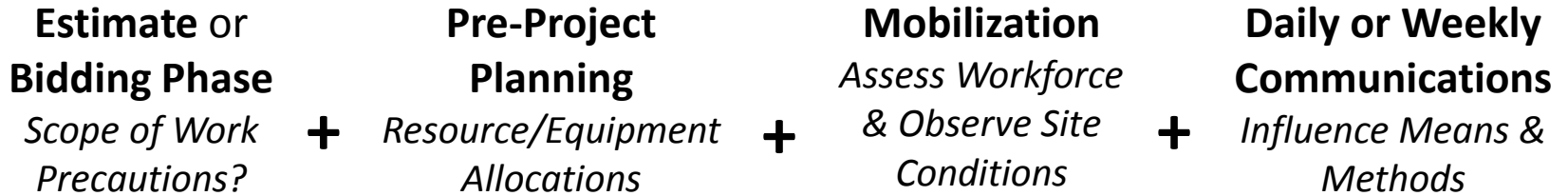
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**Training is often provided on generic topics with unrealistic expectations that everyone will be able to infinitely apply their knowledge to all unique scenarios and circumstances.**

***Once is Enough!***



# Methods to Communicate Unique Tasks



- Pre-job Planning and Initial Strategy Development
- Critical Path Scheduling
- Weekly Meetings
- Quality Control: *hold points, critical tasks*
- Daily Planning: *task/equipment/material assignments*
- Pre-Task Planning

**Are We Talking about the Tasks and Exposures?**

***How much of Production is Assumed?***



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# Excuses for Not Training



# Excuses for Not Training

- Losing production
- Too much time
- Doesn't do anything
- Employees don't do what we ask
- We train “*enough*”
- They should already know this
- No return on investment
- Not sure if he/she is going to work out
- Why should I train my competition's next employee?
  - *Train Someone and Watch them Leave or*
  - *Don't Train Someone and Hope They Stay*



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# Foreman/Supervisor's Role







**Foreman/Supervisor** has the daily touch

**One of the most underutilized assets  
for employee education and training.**

## **Educators on Daily Basis**

- **What they say**
- **How they respond**
- **What is recognized**
- **What is ignored**
- **What is tolerated**
- **Who and what is supported**
- **Who and what is protected**

**Are We Teaching our  
Foremen/Supervisors  
How to Train Employees?**

**Whether You Admit it  
or Not, Your  
Foremen/Supervisors  
are Training Your  
Employees each Day!**

## **Routine investments will determine if expectations can be achieved**

- Target Expectations: *Division/Crew/Individual*
  - **Tasks and Equipment**
- Assessing Crew/Individual Knowledge and Skill
- Communicating Expectations
- Reinforcing Expectations
  - **Coaching and Mentoring**
- Accountability for Achieving Expectations

One of the most underutilized assets for employee education and training is \_\_\_\_\_.

 **Poll locked.** Responses not accepted.

Manager

Foreman/Supervisor

Human Resource Professional

Fellow Employee



# Why Do We Stop Training Foremen and Supervisors?

Training and education commonly end once he/she *“Arrives”* at a leadership position

- How often do Foreman/Supervisors exclude themselves from training and choose to stop improving their KSA's?
  - *“This information isn't for me.”*
  - *“I have more important things to do.”*

Knowledge and skill development must continue in order to maintain or improve the competencies that brought them to a point where he/she could lead.



# Continuing Education

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- Professional development
  - **Supervisory training programs**
  - **Professional Associations**
- Project management
  - **Estimating, scheduling, cost controls, managing risk**
- Business writing or technical writing
  - **Examples - Change orders, RFI's, RFP's, Client Messages**
- Effective communication
  - **Public Speaking**
  - **Toastmasters**
  - **Dale Carnegie**



# Habitual Language of “Safety”

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- **No**
- **Wrong**
- **Don't**
- **Stop**
- **Can't**
- **Shouldn't**
- **Bad**

**Are You Defining the  
Expectations You want  
to Achieve?**

**How are You Reinforcing  
the Expectations on a  
Daily Basis?**



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# Developing a Defensible Strategy



## 4 Essential Elements

1. Employer has a work rule
  - Written **policy or program must meet/exceed all compliance reg's**
2. Policy is communicated to all affected employees (*i.e. training*)
  - **Training must be recorded**
  - **Proof of training must apply directly to the specific affected job, task, equipment, employee(s), etc...**
3. Employer takes steps to ensure compliance to all work rules
  - **Performs documented site evaluations/inspections AND corrections applying directly to the specific job, task, equipment, person, etc....**
4. Accountability and discipline are **documented** for employee performance issues – *Critical Element!!*
  - **Consistent and progressive discipline proves accountability actually exists as a routine part of normal operations, which influences, reduce, and/or eliminates employee misconduct.**



## Defensible training strategy includes:

 **Poll locked.** Responses not accepted.

Policy

Training

Inspection and Correction

Discipline and Accountability

All of the above



# Developing a Training Curriculum

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# Where to Begin...

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1. Compliance Requirements
  - **OSHA - MSHA - DOT - EPA - Pipeline - Railroad - Others?**
2. Scope of Work Evaluation
  - **Division – Crew – Task – Equipment**
3. Workforce Assessment
  - **Measuring Strengths and Weaknesses of Your Operations**
4. Client Requests
  - **Prequalification Webportals**
  - **Wacky Written Programs**
  - **Employee Training**

The first step in developing your training curriculum is to identify all of the compliance requirements specifically affecting your operations.

 **Poll locked.** Responses not accepted.

True

False



# Scope of Work Evaluation

- Break apart each area or division within your company
- Categorize major work types and activities
  - **Specific Tasks Performed and Equipment Used**
    - Aerial Lift, Excavating, Confined Space Entry, Crane, Cut-off Saws, Demolition, DOT/Fleet, Forklifts, Grinders, Heavy Equipment, Portable Power, Rigging, Working from Heights, etc...
  - **Common and Foreseeable Hazards**
    - Chemical Use, Confined Space, Excavations, Inspections, Overhead Lines, Pedestrians, PPE, Silica, Underground Utilities, Use of Fall Protection, Work Zone Protection, etc...
- Develop a knowledge and skill inventory for your crews based on job title or position
  - **Breakdown Job/Task and Equipment Use**
    - What Do You Want Your Crews/Employee to **KNOW**?
    - What Do You Need Your Crews/Employee to **DO**?
  - **Compliance Requirements, Client Requests, Necessary Precautions**

# EXAMPLE: Knowledge & Skill Inventory Based on Division & Job Title

FOREMAN	FOREMAN	LABORER & OPERATOR	LABORER & OPERATOR
<b>Qualification Training</b>	<b>Qualification Training</b>	<b>Qualification Training</b>	<b>Qualification Training</b>
1st Aid/CPR 2-year	1st Aid/CPR 2-year	1st Aid/CPR 2-year	1st Aid/CPR 2-year
4-gas Monitor Qualification 3-year	4-gas Monitor Qualification 3-year	4-gas Monitor Qualification 3-year	4-gas Monitor Qualification 3-year
ACM/PACM Coating Removal 1-year	HDD & Boring Standards 3-year	ACM/PACM Coating Removal 1-year	HDD & Boring Standards 3-year
HDD & Boring Standards 3-year	Excavation & Trenching 3-year	HDD & Boring Standards 3-year	Excavation & Trenching 3-year
Excavation & Trenching 3-year	Respiratory Protection 1-year	Excavation & Trenching 3-year	Respiratory Protection 1-year
Rigging & Signal Person 3-year	Rigging 3-year	Rigging & Signal Person 3-year	Rigging 3-year
Traffic Control Standards 3-year	Signal Person 3-year	Traffic Control Standards 3-year	Signal Person 3-year
	Spotter - Vehicle & Equipment 1-year		Spotter - Vehicle & Equipment 1-year
	Traffic Control & Work Zone 3-year		Traffic Control & Work Zone Safety 3-year
<b>Compliance Training</b>	<b>Compliance Training</b>	<b>Compliance Training</b>	<b>Compliance Training</b>
Bloodborne Pathogens 1-year	Benzene Awareness 1-year	Bloodborne Pathogens 1-year	Benzene Awareness 1-year
Compliance Inspection 3-year	Bloodborne Pathogens 1-year	Compliance Inspection 3-year	Bloodborne Pathogens 1-year
DOT Standards 1-year	Compliance Inspection 3-year	DOT Standards 1-year	Compliance Inspection 3-year
Electrical Safety 3-year	Damage Prevention 3-year	Electrical Safety 3-year	Damage Prevention 3-year
Emergency Action Plan 3-year	DOT Standards 1-year	Emergency Action Plan 3-year	DOT Standards 1-year
Hand & Power Tools 3-year	DVIRs 3-year	Hand & Power Tools 3-year	DVIRs 3-year
HAZCOM / GHS 1-year	Electrical Safety 3-year	HAZCOM / GHS 1-year	Electrical Safety 3-year
HAZMAT Release Response 1-year	Emergency Action Plan 3-year	HAZMAT Release Response 1-year	Emergency Action Plan 3-year
Hearing Conservation 1-year	Fire Extinguishers 3-year	Hearing Conservation 1-year	Fire Extinguishers 3-year
Heat Stress & Cold Stress 1-year	Fit for Duty 3-year	Heat Stress & Cold Stress 1-year	Fit for Duty 3-year
Hydrogen Sulfide Awareness 1-year	Hand & Power Tools 3-year	Hydrogen Sulfide Awareness 1-year	Hand & Power Tools 3-year
Ladder Safety 3-year	HAZCOM / GHS 1-year	Ladder Safety 3-year	HAZCOM / GHS 1-year
PPE 1-year	HAZMAT Release Response 1-year	PPE 1-year	HAZMAT Release Response 1-year
	Heat Stress & Cold Stress 1-year		Heat Stress & Cold Stress 1-year
	Hydrogen Sulfide Awareness 1-year		Hydrogen Sulfide Awareness 1-year
	Initial New Hire Orientation Initial		Initial New Hire Orientation Initial
	Introduction to Safety Initial		Introduction to Safety Initial
	Job Hazard Analysis 3-year		Job Hazard Analysis 3-year
	Ladder Safety 3-year		Ladder Safety 3-year
	Load Securement Standards 1-year		Load Securement Standards 1-year
	Manual Material Handling 3-year		Manual Material Handling 3-year
	Materials of Trade Rules 3-year		Materials of Trade Rules 3-year
	PPE 1-year		PPE 1-year
	Prev. Violence / Harassment 3-year		Prev. Violence / Harassment 3-year
	Reporting Incidents 3-year		Reporting Incidents 3-year
	Silica Compliance 3-year		Silica Compliance 3-year

Curriculum is developed using agreed-upon and predictable intervals



**A scope of work evaluation is a practical and efficient method for breaking down major work types and activities and begin developing a training curriculum based on the necessary knowledge and skills to perform specific tasks and/or use specialized equipment.**

 **Poll locked.** Responses not accepted.

True

False



# Objective-based Training Plans

Success is dependent on the author's subject matter expertise and his/her ability to articulate the following:

- Knowledge and skill requirements
- Roles and responsibilities
- Means and methods
- Necessary precautions (*i.e. Safety*)
- Equipment, tools, materials
- Vocabulary, trade terms, logic
- Desired outcomes, results





# Define Objective-based Training Plan

- Clearly defines the training and education on a particular topic
  - **Compliance Req'ts, Client-specific, Work/Task, Equipment, etc.**
- Outlines the expected knowledge, skills and core competencies
  - **What Do You Want Crews/Individual to **KNOW**?**
  - **What Do You Need Crews/Individual to **DO**?**
- Lists any knowledge evaluations and/or skill assessments
- Describes how and where the training will be delivered
- Any other specific requirements to be met in accordance with the particular training



# Example Objective-based Training Plans

Respirable Crystalline Silica



## Construction Silica Compliance & Table 1

Instructor Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

### Overview

The objectives in this training plan are designed to develop a common understanding of the necessary precautions to prevent overexposure to Respirable Crystalline Silica (RCS). Training is equipment and/or task-specific and includes how to comply with a site-specific Written Exposure Control Plan (WCEP) and all required controls to reduce silica exposure and minimize visible dust.

### Training Objectives

- Summary of OSHA rule, review HAZCOM Standard 29 CFR 1910.1200, health hazards associated with exposure.
- Identifying and understanding the hazards of RCS containing products, access to labels and SDS's.
- Identifying job/tasks or equipment in the workplace that could result in exposure to RCS.
- WCEP elements and how to reduce silica exposure by implementing the specific controls in a WCEP.
- Necessary knowledge and skill to perform tasks and operate equipment using the control specified in a Written Exposure Control Plan (WCEP) such as engineering controls, work practices, respirator use, etc.
- Role and purpose of the Silica Competent Person – *make frequent and regular inspections of job sites, materials, and equipment to implement the written exposure control plan.*
- Respiratory protection requirements and RCS medical surveillance program for affected employees.
- The necessary precautions, means and methods for RCS exposure equipment and tasks:
  - Operating and maintaining tools and equipment in accordance with manufacturer's instructions to minimize dust emissions.
  - Inspection/maintenance of a dust collector to provide the air flow recommended by the tool manufacturer or greater.
  - Apply water and/or dust suppressants as necessary to minimize dust emissions.
- Selection, inspection, setup, use and maintenance of equipment or tools supplied with:
  - Integrated water delivery system to ensure water continuously feeds to the blade at flow rates sufficient to minimize release of visible dust.
  - Commercially available shroud and dust collection system, which must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency and a filter-cleaning mechanism.
  - Water delivery system that supplies a continuous stream or spray of water at the point of impact at flow rates sufficient to minimize release of visible dust.
- Applying water and/or dust suppressants as necessary to minimize dust emissions.
- Housekeeping restrictions and necessary precautions to minimize dust.
  - No dry sweeping and no compressed air for area clean-up or cleaning tools and equipment.
  - Using a HEPA filter-type vacuum system when cleaning holes and other gaps, cracks or crevices.
- Restricted areas for minimizing potential RCS exposure.

### Training Sequence

- **Interactive Instructor-led Classroom-style Presentation, Training and Knowledge Assessment**
  - PowerPoint presentation
  - Review of Table-1 equipment and tasks
  - Question and answer throughout presentation
- **Hands-On, Interactive Skill Assessments**

*Each employee will demonstrate how to correctly:*

  - ✓ Operate and maintain tool in accordance with manufacturer's instructions
  - ✓ Inspect and maintain a dust collector to provide air flow recommended by the tool manufacturer or greater.
  - ✓ Use saw equipped with commercially available dust collection system.
  - ✓ Use tool with water delivery system that supplies a continuous stream or spray of water at the point of impact at flow rates sufficient to minimize release of visible dust.
  - ✓ Use drill equipped with commercially available shroud or cowling with dust collection system.
  - ✓ Use a HEPA-filtered vacuum when cleaning holes.
  - ✓ Apply water and/or dust suppressants as necessary to minimize dust emissions.

Respirable Crystalline Silica



## Silica Competent Person for Construction

Instructor Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

### Overview

The objectives in this training plan are designed to develop a common understanding of the role and responsibilities for a Silica Competent Person. Training focuses on the necessary knowledge and skill to make frequent and regular inspections of job sites, materials and equipment to implement a written exposure control plan.

### Training Objectives

Upon completion of training, employees can demonstrate knowledge and understanding of:

- The authority, role, responsibilities and procedures performed by of the Silica Competent Person.
- Conducting frequent and regular inspections of the job site to ensure that the written exposure control plan is being fully implemented, and where necessary how to take prompt corrective action to minimize exposure to respirable crystalline silica, including but not limited to equipment maintenance, removing employees from the work environment, wearing the required respiratory protection, etc.
- OSHA's construction silica standard, occupational exposure limits, silica hazards and exposures.
- Health hazards associated with exposure to respirable crystalline silica including routes of exposure, sign/symptoms of exposure and diseases associated with silica.
- What silica is and location/materials/tasks/etc. where silica is known or suspected, how to determine if silica is present through bulk sample analyses, safety data sheets, material checklists, observations, historical data, etc.
- Exposure ranges for common construction tasks and equipment in the absence of controls, ability to anticipate potential silica exposure for equipment used and tasks performed on site and conditions that can result in higher exposures.
- Identifying situations that could result in high exposures such as equipment failure, improper technique, enclosed areas, etc. and may require employees be removed from the affected work area(s) until the silica hazard is fully assessed.
- Table 1 equipment/tasks, controls and respiratory protection requirements.
- Engineering controls for each task and/or equipment (e.g. local exhaust ventilation, wet methods), work practices (e.g. HEPA vacuuming dust accumulations) and administrative controls that must be implemented to limit employee exposure to respirable crystalline silica.
- When and where respiratory protection is required and the type of respirator needed.
  - Ensure designated respiratory protection is used, properly worn and maintained when not in use (i.e. proper cleaning, store in protective bag/container, do not expose to excessive heat/cold, etc.)
- Establish and enforce procedures to restrict access to work areas where silica-generating tasks are performed.
  - Cordon off area(s) with RED danger tape, minimize the number of employees directly exposed by the employer's own work, or silica-generating work being performed by other contractors at a multi-employer worksite.
  - e.g. "regulated areas," scheduling silica-generating tasks off-shift to minimize worker exposure, etc.
- Appropriate housekeeping measures to limit employee exposure to respirable crystalline silica.
  - e.g. periodically wetting down road surfaces, HEPA-vacuuming dust deposits and debris, prohibiting dry sweeping and the use of compressed air for cleaning unless allowed per the data supporting the written exposure control plan, etc.
- Employer's medical surveillance program and any limitations placed on employees that require implementation at the work site.
- Multi-employer site communication, coordination and management.

### Training Sequence

- **Interactive Instructor-led Classroom-style Presentation with Written Knowledge Assessment**
  - PowerPoint presentation
  - Review of Table-1 equipment and tasks
  - Written knowledge assessment

Developing \_\_\_\_\_ training plans is one of the most effective ways to ensure that all of the necessary knowledge and skills are provided during training.

 **Poll locked.** Responses not accepted.

Objective-based

Situational-based

Task-based

All of the above



# Knowledge & Skill Assessments

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## Determine an Individual Level of:

- **Comprehension**
  - **Capacity and Proficiency of Understanding**
    - Increase or Advancement of Knowledge and Understanding
    - Can you Articulate the Subject Matter?
- **Competency**
  - **Ability to Do something (*Perform a Task or Operate Equipment*) Successfully and Efficiently**
    - Demonstrate or Perform
    - Can You Actually Do it Correctly?

# Are Knowledge & Skill Assessments Required?

- Depends on compliance requirements, client requests, industry-specific required training
  - **Task** – *Process Safety Management, Operator Qualifications (OQ)*
  - **Equipment** – *Forklift, Crane Operator, Fusing Equipment*
- Assessments provide credible, defensible records
  - **Demonstrate Competencies**
  - **Resolve Compliance Disputes**
  - **Leverage Legal Defense during Litigation**
- As a trainer, you must be (*or become*) a subject matter expert and be proficient in the core competencies
  - **How can You Deliver Effective Assessments w/o Expertise?**

Defensible training programs include a knowledge and skill assessment to determine comprehension and competency and provide the necessary documentation for compliance disputes.

 **Poll locked.** Responses not accepted.

True

False

# Practical Examples

- Written evaluation or knowledge test
  - **12 to 15 Questions on Expectations and Core Competencies**
    - Annual Training, Video, Webinar, e-Learning, Post Incident, etc.
- Skill assessment
  - **Employee Physically Demonstrates how to Correctly Perform the Task or Operate the Equipment**
    - OSHA – Forklift, Crane, First/CPR/AED
    - DOT – CDL's, Pipeline Operator Qualifications (OQ)
- Performance observations
  - **Evaluator Observes Employee in the Actual Work Environment and Compares against Trained Expectations**



Knowledge and skill assessments can include written evaluations, demonstrations and observations of performance.

 **Poll locked.** Responses not accepted.

True

False



How are You Reinforcing Expectations and Influencing Outcomes on a Daily Basis?

## Daily Pre-Task Planning

One of the most effective and efficient methods for crews to develop a common understanding about the production plan expectations and all necessary precautions.

If you asked each member of the crew what the plan was for the day, would their answers be consistent?



# Check-the-Box Nonsense

## No Value Added to the Production Plan!

PPE Required	Yes	No	N/A	Excavations	Yes	No	N/A	Lockout/Tagout (LOTO)	Yes	No	N/A
Hardhat (Class E)				Competent Person				Competent Person			
Safety Glasses/Goggles				Utilities Located				LOTO Procedure			
Hearing Protection				Soil Classified				Voltage Meter			
Di-electric Gloves (Tested)				Ladder(s)/Ramp in place				Electrical Tester (s)			
Di-electric Overshoes				Trench Box in use							
Arc-rated Face Shield				Tabulated Data				<b>HDD</b>			
Fire Retardant (FR) Clothing				Sloping Adequate				Utilities Located			
Protective Sleeves				Spoil Pile Placed Correctly				Utilities Verified			
Class 2 Reflective Vests								Bore Route Marked			
Air Test (Rubber Gloves)				<b>Confined Space</b>				Di-electric Overshoes			
Leather Gloves				Atmosphere Monitored				Di-electric Gloves (Tested)			
Steel-toed shoes/boots				Hole Watch				Rig Barricaded			
Metatarsal Guards				Manhole Ventilated				Warning Signs Posted			
Respirators				Competent Person				Bore Rig Grounded			
								Radio Communications			
<b>Electrical</b>				<b>Job Task Safety Analysis</b>				<b>Traffic Control</b>			
Daily Inspection Tools/Eqpt				Form Completed?				Warning Signs in Place			
GF/CI/Assured Grounding				Addresses the hazards?				Barricades/Cones			
Survey of Daily Conditions				Signed by project employees?				Lane Closure			
Line Voltage								Flagman Used			
Minimum Safe Distances				<b>DOT</b>				Stop/Slow Paddles			
Energized/Deenergized				Are driver logs and vehicle							
Adequate Cover-up				inspection forms completed?				<b>Fall Protection</b>			
Clearance Issued								Competent Person			
				<b>Ladders</b>				Guardrails			
<b>Aerial Lifts</b>				Daily Inspection				Safety Nets			
Qualified Operator				Warn./Usage Labels Affixed				Full Body Harness/Lanyard			
Daily Inspection				3 Feet Above Landing				Positioning Device			
Grounded & Barricaded				Ladder Secured				Warning Line			
Warning Labels								Safety Monitor			
Controls Labeled				<b>EME and RF Transmissions</b>				Barricaded/Control Zone			
Fall Protection				Personnel briefed and trained				Falling Object Protection			
				on EME/RF hazards				Daily Inspections			
				RF monitors avail. and in use							
				EME/RF warning signs posted							

<b>EYE &amp; FACE</b>	<input type="checkbox"/> Safety glasses with sides shields	<input type="checkbox"/> Goggles	<input type="checkbox"/> Full faceshield (worn over 1, 2, or 3 only)	<input type="checkbox"/> Welding Hood	<input type="checkbox"/> Other
<b>ELECTRICAL</b>	<input type="checkbox"/> Electrical Permit	<input type="checkbox"/> Lock/Tag Out	<input type="checkbox"/> Other		
<b>EXCAVATION</b>	<input type="checkbox"/> Excavation Training	<input type="checkbox"/> Sloping/Benching/Shoring	<input type="checkbox"/> Supervision/Competent Person	<input type="checkbox"/> Entry Permit	<input type="checkbox"/> Other
<b>SCAFFOLDING</b>	<input type="checkbox"/> Scaffold Training	<input type="checkbox"/> Supervision/Competent Person	<input type="checkbox"/> Scaffold Tag	<input type="checkbox"/> Other	
<b>HOISTING EQUIPMENT</b>	<input type="checkbox"/> Hoisting Permit	<input type="checkbox"/> Hoisting equipment training	<input type="checkbox"/> Critical Lift Plan	<input type="checkbox"/> Other	
<b>WELDING OPERATIONS</b>	<input type="checkbox"/> Fire protection	<input type="checkbox"/> Stand-by attendant	<input type="checkbox"/> Fire blanket	<input type="checkbox"/> Shields	<input type="checkbox"/> Other
<b>EMERGENCY EQUIPMENT</b>	<input type="checkbox"/> Fire protection	<input type="checkbox"/> Eye Wash	<input type="checkbox"/> Retrieval equipment	<input type="checkbox"/> Eye Wash	<input type="checkbox"/> Communications (radio, cell phone, etc.)
<b>RESPIRATORY PROTECTION</b>	<input type="checkbox"/> Natural &/or Mechanical Ventilation	<input type="checkbox"/> Fume/mist mask	<input type="checkbox"/> Dust mask	<input type="checkbox"/> Half face filter	<input type="checkbox"/> Full face filter
<b>STAND-BY ATTENDANT</b>	<input type="checkbox"/> Fire Watch	<input type="checkbox"/> Confined Space	<input type="checkbox"/> Traffic Area	<input type="checkbox"/> Sand Blasting	<input type="checkbox"/> Other
<b>BARRICADES/COVERS</b>	<input type="checkbox"/> Warning barricade/tape	<input type="checkbox"/> Warning signs	<input type="checkbox"/> Cover(s)	<input type="checkbox"/> Railing(s)	<input type="checkbox"/> Other
<b>CHEMICAL/ENVIRONMENTAL</b>	<input type="checkbox"/> MSDS required	<input type="checkbox"/> Airborne Contaminates	<input type="checkbox"/> Hazardous chemical(s)	<input type="checkbox"/> Hazardous product(s)	<input type="checkbox"/> Other
<b>HAND/(GLOVES)</b>	<input type="checkbox"/> Nitrile	<input type="checkbox"/> Cloth	<input type="checkbox"/> Leather	<input type="checkbox"/> Welding	<input type="checkbox"/> Metal mesh
<b>HEAD</b>	<input type="checkbox"/> Class A (Limited voltage) hard hat	<input type="checkbox"/> Class B (Hi-voltage) hard hat	<input type="checkbox"/> Chin strap accessory	<input type="checkbox"/> Communications (radio, cell phone, etc.)	<input type="checkbox"/> Other
<b>FOOT</b>	<input type="checkbox"/> Fire protection	<input type="checkbox"/> Hard toe shoes/boots	<input type="checkbox"/> Dielectric	<input type="checkbox"/> Rubber	<input type="checkbox"/> Other
<b>PROTECTIVE CLOTHING</b>	<input type="checkbox"/> Tyvek suits	<input type="checkbox"/> Rainsuit	<input type="checkbox"/> Other		
<b>HEARING PROTECTION</b>	<input type="checkbox"/> Ear plugs	<input type="checkbox"/> Ear muffs	<input type="checkbox"/> Other		
<b>HAZARD IDENTIFICATION &amp; CONTROL CHECKLIST</b>					
<b>SLIPS/TRIPS/ FALLS</b>	YES NO	<b>FIRE HAZARDS</b>	YES NO	<b>LADDERS</b>	YES NO
WALK PATHS CLEAR	<input type="checkbox"/> <input type="checkbox"/>	EXTINGUISHER LOCATIONS KNOWN	<input type="checkbox"/> <input type="checkbox"/>	PROPER LADDER FOR TASK	<input type="checkbox"/> <input type="checkbox"/>
EXCAVATIONS PROTECTED (SEE EXC. CHECKLIST p2)	<input type="checkbox"/> <input type="checkbox"/>	EXTINGUISHERS INSPECTED	<input type="checkbox"/> <input type="checkbox"/>	PROPER LADDER ANGLE (4:1)	<input type="checkbox"/> <input type="checkbox"/>
FALL PROTECTION /EQUIP/ PLAN NOT NEEDED	<input type="checkbox"/> <input type="checkbox"/>	FIRE WATCH PLAN DISCUSSED	<input type="checkbox"/> <input type="checkbox"/>	LADDERS SECURE FROM MOVEMENT	<input type="checkbox"/> <input type="checkbox"/>
<b>PINCH POINTS</b>	YES NO	<b>EQUIPMENT / VEHICLES</b>	YES NO	<b>LADDERS INSPECTED</b>	YES N/A NO
IDENTIFIED PINCH POINTS WITH CREW	<input type="checkbox"/> <input type="checkbox"/>	SPOTTERS IDENTIFIED FOR:	<input type="checkbox"/> <input type="checkbox"/>	<b>CONFINED SPACE</b>	YES N/A NO
<b>HEAT STRESS</b>	YES NO	BACKING	<input type="checkbox"/> <input type="checkbox"/>	CONFINED SPACE NONAPPLICABLE	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LIQUIDS AVAILABLE	<input type="checkbox"/> <input type="checkbox"/>	LOADING/ UNLOADING	<input type="checkbox"/> <input type="checkbox"/>	SAFETY REP NOTIFIED W/PLAN	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COOL DOWN BREAKS DISCUSSED	<input type="checkbox"/> <input type="checkbox"/>	OVERHEAD UTILITIES	<input type="checkbox"/> <input type="checkbox"/>	<b>CHEMICALS/ MATERIALS</b>	YES NO
SALT PILLS AVAILABLE	<input type="checkbox"/> <input type="checkbox"/>	UNDERGROUND UTILITIES	<input type="checkbox"/> <input type="checkbox"/>	CREW HAS ACCESS TO SDS	<input type="checkbox"/> <input type="checkbox"/>
HEAT STRESS SYMPTOMS DISCUSSED	<input type="checkbox"/> <input type="checkbox"/>	EYE CONTACT BETWEEN OPERATOR AND CREW	<input type="checkbox"/> <input type="checkbox"/>	ALL CONTAINERS LABELED	<input type="checkbox"/> <input type="checkbox"/>
HEAT STRESS MONITORING PLAN DISCUSSED	<input type="checkbox"/> <input type="checkbox"/>	"CIRCLE OF SAFETY" DISCUSSED	<input type="checkbox"/> <input type="checkbox"/>	<b>NEW HIRES</b>	YES N/A NO
<b>TRAFFIC HAZARDS</b>	YES NO	<b>NOISE</b>	YES NO	OJT MONITORING IN PLACE	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
TRAFFIC PLAN DISCUSSED ON SITE	<input type="checkbox"/> <input type="checkbox"/>	HEARING PROTECTION NOT REQUIRED (<85DB)	<input type="checkbox"/> <input type="checkbox"/>	<b>PIPELINE WRAP</b>	YES N/A NO
RESPONSIBILITY AND RESOURCES DISCUSSED	<input type="checkbox"/> <input type="checkbox"/>	PLUGS <input type="radio"/> MUFFS <input type="radio"/> BOTH <input type="radio"/> OTHER <input type="radio"/>	<input type="checkbox"/> <input type="checkbox"/>	WRAP VERIFIED NON-AESBESTOS	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
PEDESTRIAN TRAFFIC PLAN IN PLACE	<input type="checkbox"/> <input type="checkbox"/>	<b>MANUAL LIFTING</b>	YES NO	<b>TRAINING/ QUALIFICATION</b>	YES NO
BARRICADES TO PROTECT WORKERS	<input type="checkbox"/> <input type="checkbox"/>	LIFTING PLAN DISCUSSED	<input type="checkbox"/> <input type="checkbox"/>	ALL WORKERS QUALIFIED FOR TASKS	<input type="checkbox"/> <input type="checkbox"/>
EXCAVATIONS AND EQUIPMENT MARKED/ PROTECTED	<input type="checkbox"/> <input type="checkbox"/>	OVER 50# USE 2 PEOPLE OR MECHANICAL LIFTS	<input type="checkbox"/> <input type="checkbox"/>		
<b>OTHER HAZARDS:</b>					



# More than Just "Safety"

Does Everyone Know the Plan for Today?

## Daily Huddle – Crew Production Pre-Plan

Today's Date: \_\_\_\_\_ Crew size: \_\_\_\_\_

**Production goals for today**

- 1.
- 2.
- 3.
- 4.
- 5.

Did you meet your goals from yesterday?  Yes  No

If no – Explain reasons why: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Is activity on schedule as planned?  Yes  No

Identify if work activity will include:

<input type="checkbox"/> Confined Space	<input type="checkbox"/> Excavation greater than 5 ft. in depth
<input type="checkbox"/> Working at heights above 6 ft.	<input type="checkbox"/> Crane activity
<input type="checkbox"/> Heavy equipment	<input type="checkbox"/> Working within 50 ft. of powerlines

**Tools Needed**

**Equipment Needed**

**Materials Needed**

**Safety Controls**

**QA/QC Checks/Controls**  
Is the work activity today – rework/repair/replace?  Yes  No



\_\_\_\_\_ is one of the most effective and efficient methods for crews to develop a common understanding about the production plan expectations and all necessary precautions.

 **Poll locked.** Responses not accepted.

Awareness training

Toolbox talk

Daily pre-task planning

Annual training



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# Effective Trainers





# Identifying a Good Trainer

## **Not everyone can train but unfortunately most people think they can**

- Speak coherently & comfortable in front of an audience
- Ability to deliver a specific message
- Capable of putting together a logical presentation
  - **Is the Presenter Educating or Confusing the Audience?**
- Subject matter expert
  - **Credentials Do Not equal Quality**
  - **Clearly Breakdown and Articulate a Topic in Practical Terms**
  - **Capable of Answering Engaging Questions**



**Essential Element for Success:**  
*You have to Like Training!*

# **Training is a Skill that Can be Developed**

- **OSHA 500 and 501 Trainers Course**
- **CSP, ASP, CHST, OHST, CET and other Professional Certifications**
- **Train-the-Trainer Courses**
- **Professional Development Workshops**
- **Public Speaking Courses**
- **Dale Carnegie**
- **Toastmasters**
- **“Baptism by Fire”**





# Key Elements to Effective Training

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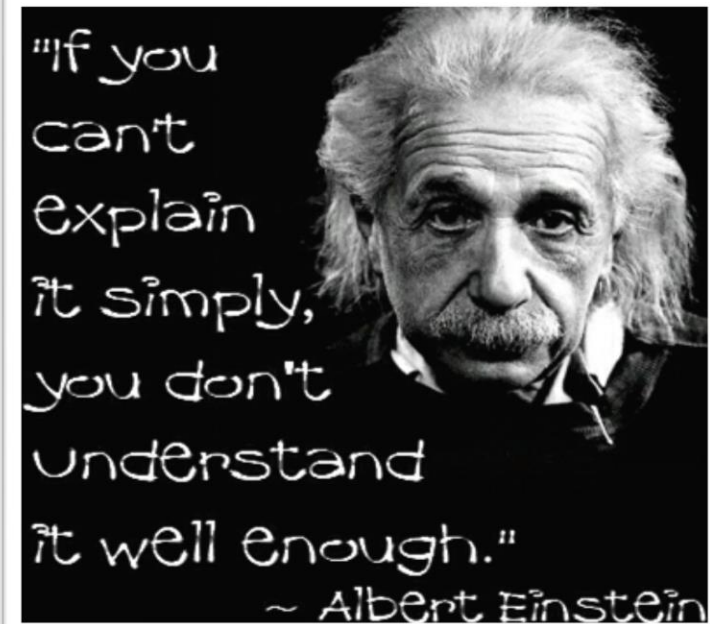
- Have a purpose for your presentation.
- Establish a rapport (connect) with your audience.
- Understand your audience and come at the material from an angle they will understand and be able to relate to.
- Establish yourself as an expert with knowledge and experience
  - **Sometimes this is simply an introduction of yourself and what you do but in a classroom where the students are more knowledgeable you will need to go deeper into your background and accomplishments.**
- Know the material you are presenting and lay it out in an orderly and logical fashion.
  - **Practice your examples and demonstrations.**

# Key Elements.....continued

- Prepare for “Murphy’s Law” to crush your dreams.
  - **Inevitably things will go wrong in a presentation and you will have to be able to cope with the issues and work through them with many people watching your every action.**
- Keep topics on track with little deviation from the intended scope
  - **Audience questions will create some wandering off topic but you must be able to steer the material back to the original content.**
- Be honest with the group.
  - **If you don't know the answer to a question, admit it.**
  - **Respond with: "I'm not sure but I will check into it" and always follow-up!**
- Quality presentations have a variety of examples and analogies
  - **Illustrate complex concepts by drawing comparisons to a selection of easily recognizable elements.**

# Key Elements.....continued

- Express concepts in terms the audience can relate.
  - **Often this will require restating information using a more elementary perspective.**
  - **You may even need to express a thought 3 or 4 times.**
  - **A great deal of patience will assist in handling this diversity.**
- A strong finish is needed for any delivery to be successful.
  - **Summarize, restate and clarify the entire lesson in a concise manner to ensure that they have captured the material and will be able to apply the concepts learned.**





# Do You Understand Your Audience?

- **Specific Audience**
  - **Unskilled, Experienced or a Mix of Both**
- **Specific Purpose**
  - **What are You Trying to Achieve?**
- **Specific Point in Time**
  - **Why is the Training Occurring?**
    - Compliance
    - Client or Project-specific
    - Task or Equipment
    - Knowledge and/or Skill Development
    - Post Incident or Post Compliance Citation



# Know Your Audience

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- **Learning Style**
  - **Visual, Auditory, Verbal, Physical, Social, Solitary, Logical**
- **Age Group / Peer Group**
  - **Baby Boomers, Gen-X, Millennials, etc.**
- **Background and Experience**
  - **Unskilled, Intermediate, Experienced, Mix of All**
- **Motivation and Purpose**
  - **Have to vs. Want to**
- **Use of Technology**
  - **Unskilled, Intermediate, Experienced, Mix of All**



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# Enhancing Existing Training Programs

**What can I do with our existing investments  
and training strategies to make them more  
defensible, impactful and improve results?**





*How can I positively impact operations when time is limited and resources are scarce?*

## **Common Concern**


**Wavering management commitment only allows for certain activities to happen:**

- **Annual Training**
- **Pre-job Meeting** – *single touch before a project begins*
- **Weekly “Toolbox Talks”**
- **Daily JHA/Pre-task Discussion of some kind**
- **New Safety Regulations** – *Confined Space, Silica*
- **Post-Incident or Post-OSHA Inspection “Training”**

- Perform a Scope of Work Evaluation
  - **Break apart each Area or Division within your Company**
  - **Categorize Major Work Types and Activities**
  - **Develop a Knowledge/Skill Inventory for Crews based on Job Title/Position**
- Create objective-based training plans for all training provided
  - **Identify the Core Competencies & Necessary Precautions for Operations**
- Provide written knowledge evaluations, when it's practical
  - **Following Video Training**
  - **During Annual Training Sessions**
- Capitalize on weekly meetings with impactful information
  - **No more Canned Toolbox Talks.....Create Your Own!**
  - **Reinforce Specific Expectations, Highlight Success or Needed Improvements**
  - **Fulfill Compliance Requirements – HAZCOM, Heat Stress, PPE, GFCI's, BBP, EAP**



# Standardize Common Tasks

- Identify tasks with predictable processes
  - **If your Tasks are Predictable, then the Results are Repeatable**
- Define the essential elements for success
  - **Knowledge and Skill**
  - **Equipment**
  - **Necessary Precautions**
  - Annual Training
  - Pre-job Meeting
  - Weekly “Toolbox Talks”
  - Daily Pre-task Meeting
- Create practical reference materials
  - **Written Procedure – *keep it simple***
  - **Equipment Selection, Inspection, Set-up, Use**



# Simply Complex Tasks



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## EXCAVATION & TRENCHING BY THE NUMBERS

1	<ul style="list-style-type: none"> <li>Number of excavation Competent Persons onsite</li> </ul>
2	<ul style="list-style-type: none"> <li>Minimum distance in feet the spoil pile must be set back from cut edge</li> <li>Maximum distance in feet top hydraulic vertical shore cylinder can be below grade</li> <li>Maximum distance in feet allowed to excavate below support system</li> </ul>
3	<ul style="list-style-type: none"> <li>Minimum distance in feet a ladder must be above the trench box or grade</li> <li>Minimum points of contact for climbing up or down a ladder</li> </ul>
4	<ul style="list-style-type: none"> <li>Depth in feet when a ladder becomes mandatory</li> <li>Depth in feet when the atmosphere must be tested if a hazardous atmosphere exists or could reasonably be expected to exist</li> <li>Maximum vertical distance in feet btw. hydraulic vertical shore cylinder in C soil</li> <li>Maximum bench height in feet allowed in type-B soil</li> </ul>
5	<ul style="list-style-type: none"> <li>Number of feet when a protective system becomes mandatory</li> </ul>
6	<ul style="list-style-type: none"> <li>Number of feet in height when fall protection is required</li> </ul>
8	<ul style="list-style-type: none"> <li>Number of feet the first bench is set back when doing multiple benches in B soil using 4-foot bench steps</li> </ul>
10	<ul style="list-style-type: none"> <li>Minimum vertical distance in feet required from 50,000 voltage power lines</li> </ul>
12	<ul style="list-style-type: none"> <li>Number of Specific Excavation Requirements from 29CFR1926.651</li> </ul>
18	<ul style="list-style-type: none"> <li>Minimum required distance in inches from grade level to top of trench box when sloping a portion of the depth</li> </ul>
19.5	<ul style="list-style-type: none"> <li>Level at which oxygen concentration percentage equal to and below is classified as an <i>oxygen deficient atmosphere</i></li> </ul>
20	<ul style="list-style-type: none"> <li>Maximum depth in feet that OSHA allows protective systems to be used without site specific engineering</li> </ul>
23.5	<ul style="list-style-type: none"> <li>Level at which oxygen concentration percentage equal to and above is classified as an <i>oxygen enriched atmosphere</i></li> </ul>
25	<ul style="list-style-type: none"> <li>Maximum distance in feet a worker may travel to reach a means of egress</li> </ul>
30	<ul style="list-style-type: none"> <li>Maximum distance in inches allowable to step across a trench before a walkway or bridge is mandatory</li> </ul>

## Type C Soil – Minimum Top Width

		Depth of Cut							
		6	8	10	12	14	16	18	20
B O T T O M  W I D T H	2	20	26	32	38	44	50	56	62
	3	21	27	33	39	45	51	57	63
	4	22	28	34	40	46	52	58	64
	5	23	29	35	41	47	53	59	65
	6	24	30	36	42	48	54	60	66
	7	25	31	37	43	49	55	61	67
	8	26	32	38	44	50	56	62	68
	9	27	33	39	45	51	57	63	69
	10	28	34	40	46	52	58	64	70
	11	29	35	41	47	53	59	65	71
	12	30	36	42	48	54	60	66	72
	13	31	37	43	49	55	61	67	73
	14	32	38	44	50	56	62	68	74
	15	33	39	45	51	57	63	69	75
	16	34	40	46	52	58	64	70	76
	17	35	41	47	53	59	65	71	77
	18	36	42	48	54	60	66	72	78
	19	37	43	49	55	61	67	73	79
	20	38	44	50	56	62	68	74	80
	21	39	45	51	57	63	69	75	81
	22	40	46	52	58	64	70	76	82
	23	41	47	53	59	65	71	77	83
	24	42	48	54	60	66	72	78	84
	25	43	49	55	61	67	73	79	85



# Small Investments with Big Impact

- Most impactful training occurs in the field
  - **Reinforcing Expectations on a Daily Basis**
  - **Crew Meetings, Coaching, Planning Tasks, Observation & Correction**
- Daily Pre-Task Planning – *Essential Element for Success*
  - **Develop a Common Understanding about Daily Production Plan**
  - **Tasks, Equipment, Materials, Exposures, Necessary Precautions, etc.**
- *“Buddy Systems”*
  - **Match Employee with a More Experienced Professional**
- Mentoring Programs
  - **New Employee Orientation**
  - **Developing Specific Knowledge and Skills**
    - Example: *Welders or Equipment Operators*



# “Daily Touch” is Continuous Education

- **Leverage the Foreman/Supervisor Influence**
  - **Most Underutilized Resource for Education and Training**
- **Follow-up on all New Expectations**
  - **You Make the First Move and Ask the First Questions**
- **Routinely Evaluate Task & Equipment Expectations**
  - **Quality Control, Evaluations, Inspections, etc.**
- **Deliver Prompt Responses to Questions**
  - **Make Yourself Available**
- **Provide Positive Reinforcement for Success**



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# Return on Investment







# What are You Trying to Achieve?

- Consistency – *methods and tempo*
- Executing expectations
- Behavior change
- Impacting risk tolerance
- Performance improvement
- Improving means and methods
- Reducing costs
- Increasing efficiencies
- Reducing vehicle accidents, equipment damages
- Decreasing the number of injuries requiring medical treatment
- Reducing at-fault utility damages

**Define the  
Measurements of  
Success**



## Simple Question:

### Did Training Produce the Desired Outcome(s)?

- How were the expectations routinely reinforced?
- What corrections were made to influence individual choice?
- Resources readily available?
- Prompt responses to employee concerns?
- Were the efforts “*Torpedoed*” or simply ignored?
- Accountability and Discipline for Misconduct?

**It's not Uncommon to Blame the Training when the Leadership's Lack of Visible Participation and Active Involvement Do Not Contribute to or Produce the Desired Outcomes – *especially Safety-related.***

- Accurate and honest reporting of all events is critical
  - **No Funny Math or “Shell Games” that Hide the Real Numbers**
- Hinges on the self-defeating perceptions of management
  - **Example: *Safety is a Cost rather than an Investment***
- Baseline comparison against current results
  - **Where are you at now with \_\_\_\_\_ ? (Baseline)**
  - **Compare results monthly, quarterly, annually**
- Observations, evaluations, inspections, assessments or audits
  - **Expectations vs. Execution – *is it really happening?***
- Counting Tick Marks: *incidents, injuries, damages, rework, claims, etc...*
- Scorecards
  - **Percent Safe or Point Systems**



Seeing expectations performed and the observing the desired changes in behavior are not considered a return on investment.

 **Poll locked.** Responses not accepted.

True

False



# In Closing...

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# Begin Developing Your Defensible Strategy

- Perform a scope of work evaluation
- Define expectations based on tasks and equipment
- Develop objective-based training plans
- Maximizing education and training opportunities
  - **Daily task plans, crew meetings, observations, coaching**
- Leveraging the Foreman/Supervisor role in employee education and training performance
- Maintain an operations-focused perspective



# Thank You!

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