



Susan Harwood Training Grants - SH-27631-SH5
US Department of Labor / OSHA

Construction Focus Four Training for
Workers/Employers in the On-Site
Wastewater Industry



1. What are the OSHA Focus Four?
 - a. Slips, Trips, Falls, Caught in
 - b. Falls, Caught-in, Trips, Rushing
 - c. Falls, Struck-by, Caught-in, Electrocutation
 - d. Rushing, Eyes not on path, Trips, Electrocutation
2. OSHA Focus Four Fatality percentages represent what percentage of all fatalities
 - a. Less than 25%
 - b. More than 90%
 - c. Less than 50%
 - d. More than 75%
3. In your service area, what OSHA Focus Four happens the most? (circle one)
 - a. Falls
 - b. Caught in or Between
 - c. Struck By
 - d. Electrocutation
4. In your service area, what OSHA Focus Four would most likely result in a fatality? (circle one)
 - a. Falls
 - b. Caught in or Between
 - c. Struck By
 - d. Electrocutation
5. Write an example of a typical "Fall" hazard in your workplace that would result in a fatality?
 - a. _____
6. Write an example of a typical "Caught –in or Between" hazard in your workplace that would result in a fatality?
 - a. _____
7. Write an example of a typical "Struck By" hazard in your workplace that would result in a fatality?
 - a. _____
8. Write an example of a typical "Electrocutation" hazard in your workplace that would result in a fatality?
 - a. _____
9. Who is responsible for your Safety while you are at work?
 - a. Employer
 - b. Myself
 - c. Both
10. What industry segment do you think has the most potential for fatal accidents?
 - a. O&M/Pumper
 - b. Installer
 - c. Designer
 - d. Regulator

Name: _____

Company: _____

Employee or Employer (Circle one)

Years' Experience: _____

OSHA: Construction – Focus 4

Date:

Location:

Instructor:

Activity: For each hazard, write down an accident that happened to you or someone you worked with on a Job Site and share within your group: What happened, what was the cause, what have you done to prevent it from happening again?

FALLS

Definition: Fall hazards are present at most worksites. A fall hazard is anything at your worksite that could cause you to lose your balance or lose bodily support and result in a fall. Any walking or working surface can be a potential Fall Hazard

Examples: Dragging a hose backward from the truck toward the tank; Bending over an exposed tank opening on wet or unstable ground; an excavation for a soil log or a tank, falling off a piece of equipment or Truck

STRUCK BY

Definition: Struck by Hazards are produced by forcible contact or impact between the injured person and an object or piece of equipment. The may resemble "caught-in" or "between" hazards

Examples: Struck by flying objects (sewage under pressure), Struck by Falling objects: Tools dropped on you while inside a tank, Struck by swinging objects: A jetter hose that gets away from you and hits you in the face, being inside the swing radius of the excavator, a septic tank delivery hanging on chains, while locking down the chains on the excavator on the flat-bed, the chain tensioner releases and hits you in the face. Struck by rolling objects: Unhooking a trailer from a truck without setting chocks and it runs off on you.

CAUGHT IN OR BETWEEN

Definition: When the impact alone creates the injury, the event is "Struck by", when the injury is more as a result of crushing injuries between objects, the event is recorded as "Caught"

Examples: Standing in the tank excavation, while lowering a tank, your foot is caught under the bottom as it is lowered, the metal lid on your pick-up tool box slams shut on your hand and breaks two fingers, no guards on the belts /gear chains of equipment and your shirt tail, gloved hand or other body part is drawn into it crushing or amputating fingers or breaking bones. Dropping a 60# concrete lid on your foot while pulling it out of a 3' hole from the tank lid.

ELECTROCUTION

Definition: Electrocution results when a person is exposed to a lethal amount of electrical energy including; Burns, Electrocution, Shock, Arc flash/blast, Fire or explosions.

Examples: Completing an open circuit as you are opening a junction box inside a riser for the floats with your screwdriver, grounding when you reach in to pull floats or a pump from a wet environment without using LO/TO procedures to de-energize the system, improperly wired components from previous SP who was not a licensed electrician, improperly sealed wiring arcing with explosives gasses in the pump tank or from controls.

1. What are the OSHA Focus Four?
 - a. Slips, Trips, Falls, Caught in
 - b. Falls, Caught-in, Trips, Rushing
 - c. Falls, Struck-by, Caught-in, Electrocutation
 - d. Rushing, Eyes not on path, Trips, Electrocutation

2. What are the principle causes of OSHA Focus “Struck-by” accidents?
 - a. Falling tools from above
 - b. Flying equipment that has failed
 - c. Vehicles or operating strikes
 - d. All of the above

3. If you are a worker you have the right to request an OSHA inspection for workplace hazards, violations of OSHA standards, or violations of the OSH Act.
 - a. True
 - b. False

4. What best describes a “Caught in or Between” exposure where you work?
 - a. _____

5. If you are a worker you have the right to refuse to work in an imminent danger situation, under certain conditions.
 - a. True
 - b. False

6. If you are a worker you have the right to be notified by your employer of any citations issued for alleged violations of standards at the workplace, and of your employer's requests for variances or for changes in the abatement period.
 - a. True
 - b. False

7. Describe a “Line of Fire” work activity that results in a “Struck by” accident?
 - a. _____

8. If you are a worker you have the right to talk informally with the OSHA compliance officer in private.
 - a. True
 - b. False

9. As a worker you have the responsibility to read the OSHA poster in the workplace and comply with all the OSHA standards, with all requirements of your State-approved plan (if any), and with the employer's safety and health rules.
 - a. True
 - b. False

10. If you are an employer you are required to provide information about hazards and safety measures applicable to the workplace, OSHA standards relevant to your workers' job, and the record of accidents and illnesses in the workplace.
 - a. True
 - b. False

11. An "Electrocution" accident in your workplace would best be described as being:
 - a. Fall
 - b. Struck-by
 - c. Caught in or Between
 - d. None of the Above

12. Under the OSH law or your OSHA state approved plan, employers have a responsibility to provide a workplace free from serious recognized hazards and comply with standards, rules and regulations issued under the OSH Act. Examine workplace conditions to make sure they conform to applicable [OSHA standards](#).
 - a. True
 - b. False

13. Under the OSH law or your OSHA state approved plan, employers have a responsibility to make sure employees have and use safe tools and equipment and properly maintain this equipment. Establish or update operating procedures and communicate them so that employees follow safety and health requirements.
 - a. True
 - b. False

14. Under the OSH law or your OSHA state approved plan, employers have a responsibility to provide safety training in a language and vocabulary workers can understand.
 - a. True
 - b. False

15. Who is most responsible for your safety?
 - a. My Employer
 - b. Myself

16. Based on what I learned in the OSHA Focus Four class, I plan to change how I approach my workplace and personal safety decisions.
 - a. Yes
 - b. No

OSHA Focus Four Training – Onsite

Name of Attendee: _____

Company: _____

Address: _____

Tel: _____

Location of Training: _____ Instructor(s): _____

(Circle the appropriate number)

FOCUS FOUR TRAINING: CONTENT	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.) The objectives were clearly stated.	5	4	3	2	1
2.) The material learned was what I needed.	5	4	3	2	1
3.) The training helped me understand important hazards I may encounter in my job.	5	4	3	2	1
4.) Based on what I learned, I will make changes to improve my personal safety for the Focus Four Topics: Falls, Struck-By, Caught in/between and Electrocution in my job.	5	4	3	2	1
5.) The content was clear and easy to understand.	5	4	3	2	1
<u>STRUCTURE</u>					
6.) The presentation methods were effective.	5	4	3	2	1
7.) The visual aids, handouts or notes were Effective.	5	4	3	2	1
8.) The length of training and each session was About right.	5	4	3	2	1
9.) The training encourages participation.	5	4	3	2	1
10.) I will recommend the training to others	5	4	3	2	1

Overall Evaluation	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
<u>OVERALL EVALUATION</u>					
The training met my need.	5	4	3	2	1
I learned what I needed	5	4	3	2	1
I will recommend the training to others	5	4	3	2	1

COMMENTS

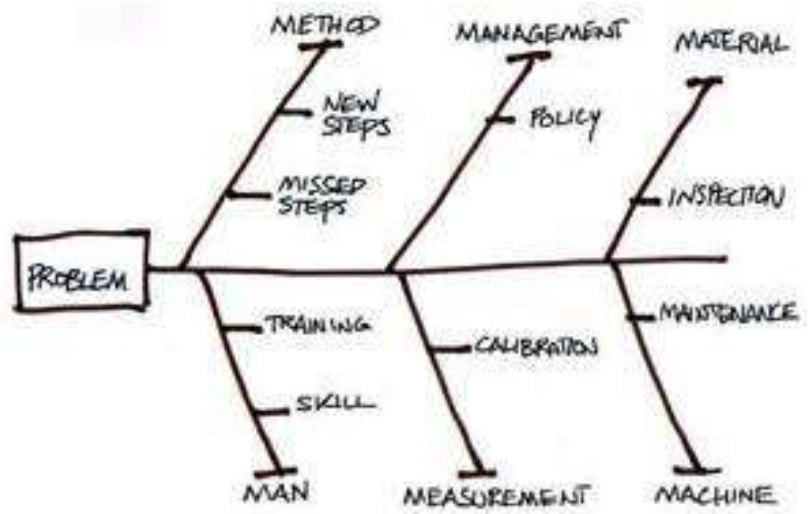
Please comment on any other aspects of the training

OSS Focus Four Activity Worksheet: Root Cause Analysis

Method

Management

Material



People (people)

Measurement

Machine/Equipment/Tools

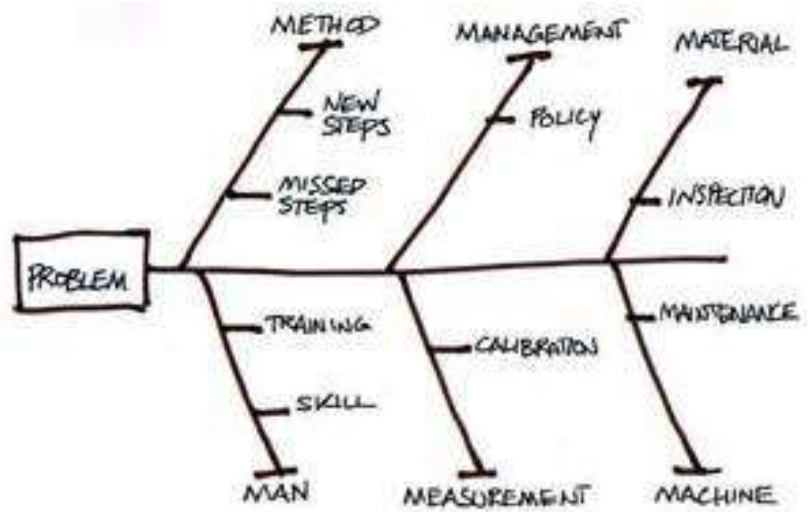
Other

OSS Focus Four Activity Worksheet: Root Cause Analysis

Method

Management

Material



People (people)

Measurement

Machine/Equipment/Tools

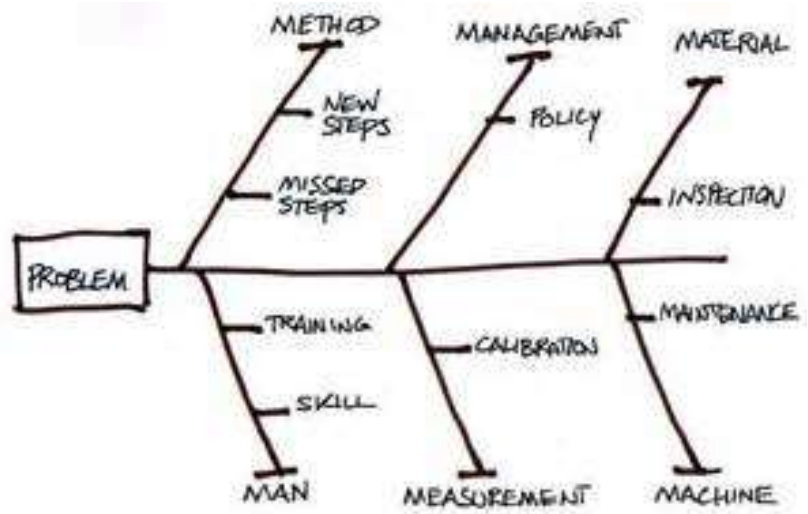
Other

OSS Focus Four Activity Worksheet: Root Cause Analysis

Method

Management

Material



People (people)

Measurement

Machine/Equipment/Tools

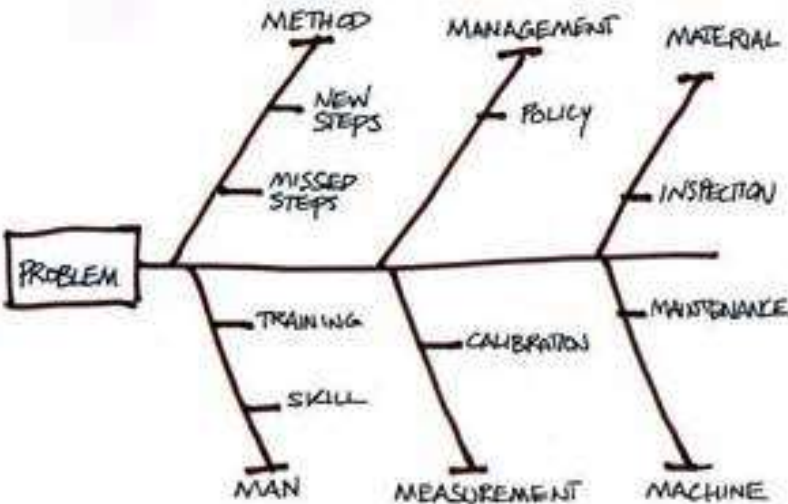
Other

OSS Focus Four Activity Worksheet: Root Cause Analysis

Method

Management

Material



People (people)

Measurement

Machine/Equipment/Tools

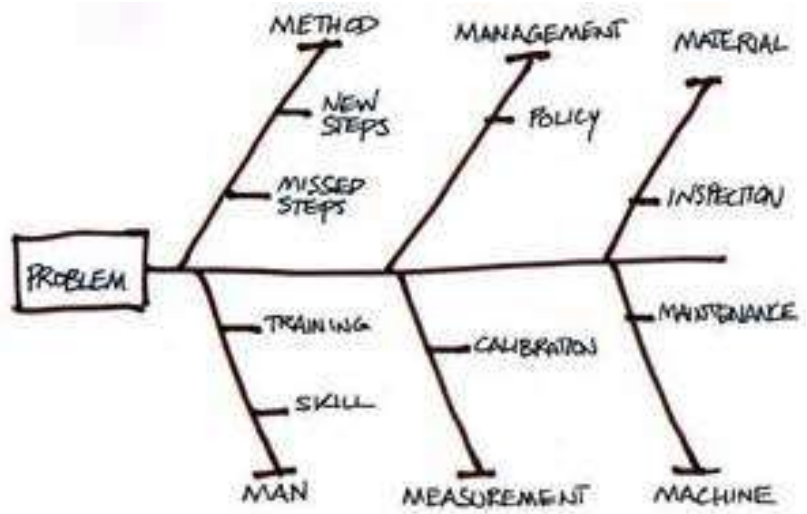
Other

OSS Focus Four Activity Worksheet: Root Cause Analysis

Method

Management

Material



People (people)

Measurement

Machine/Equipment/Tools

Other