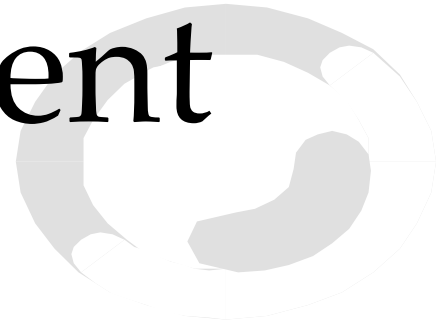

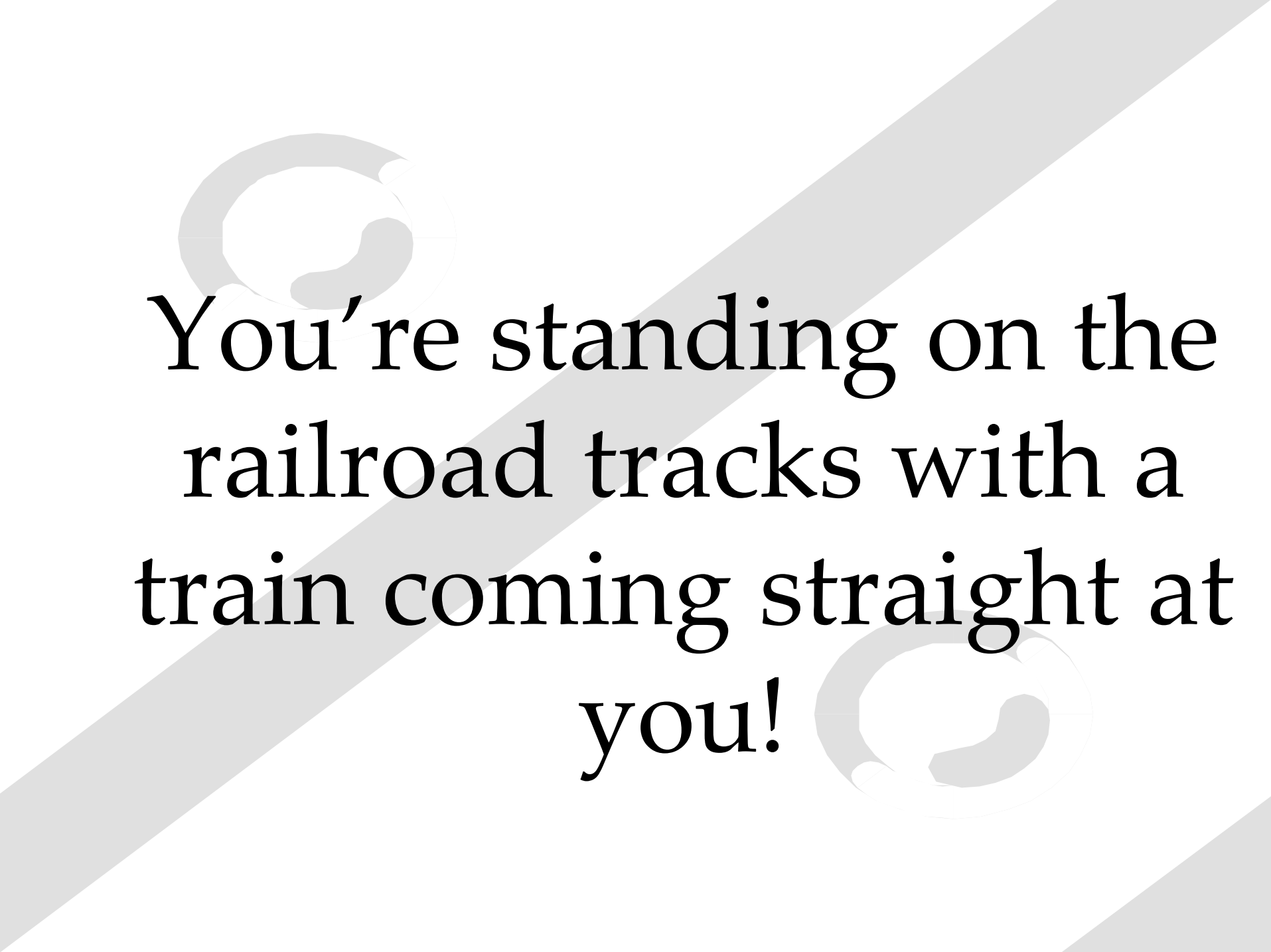




Line of Fire

Personal Protective
Equipment





You're standing on the
railroad tracks with a
train coming straight at
you!

That would be putting
yourself in the

LINE OF FIRE

Line of Fire

However, you might put yourself in the Line of Fire in other situations without even knowing it.

For example:

If you were going to loosen the bolts on a flange, you might put the wrench in position and use your leverage to pull it toward you. What if the wrench slipped? Where would it go? It might just hit you right in the mouth! Or you might fall backward with your momentum. Did you notice what's behind you that you might fall into? Is it hot piping or maybe something sharp?

A simple task can become a serious injury if you don't think about the line of fire.

Line of Fire

So what is the line of fire?

The line of fire is the path between the origin and destination of an object where hazards can exist.

Simply put, if you're in the line of fire, you are placing yourself in the path of something that could be very unpleasant.

You are always aware of the repercussions of standing between a gun and a target, however...

...do you think about the repercussions of standing below grating where people are working? Maybe not. But something can easily be dropped and who is it going to hit? Most likely YOU!

Line of Fire

Here are some other examples of people putting themselves in the line of fire:

- An operator opening a valve to a sample point while standing in front of the sample port.
- A crane operator standing under a load while it is being lifted.
- Or how about standing on a lower level of scaffolding while higher levels are being built?
 - This incident probably sounds familiar. It happened here on site and the outcome could have been much worse than it was.

We always think about the hazards associated with a job, but we tend not to think about whether we're putting ourselves in harm's way.

STAY OUT OF THE LINE OF FIRE AND STAY SAFE!

Personal Protective Equipment

Sometimes staying out of the line of fire just isn't enough. That's where our last line of defense comes in...PPE. And PPE is also one of our 4 points.

FOLLOWING PROCEDURES

WEARING YOUR PPE

MAKING THE RIGHT CHOICES

TAKING TIME TO DO EVERY JOB SAFELY

Personal Protective Equipment

- Why is PPE so important?
 - As we said, it is your last line of defense against potential safety hazards involved in your day to day job assignment as well as special tasks.
- Key to PPE
 - You must wear it correctly for it to protect you in the event of an incident.

Personal Protective Equipment

- Before each job task, each person should ask themselves the following questions...
 - What PPE is required so that I can complete this job task safely?
 - Do I understand how to use the PPE required for the job task?

IF YOU DON'T KNOW...ASK

Personal Protective Equipment

You might wonder if your PPE can really protect you.

Take a look at the following examples of how PPE saved employees from serious injury.

Personal Protective Equipment

A Hot Suit worn correctly prevented serious injury



- The injury potential could have been catastrophic if the employees had not been wearing Hot Suits.
- Failure of a Closed and Locked Block valve caused the Molten DMT to spray out of the pump when the pump case was removed.

Personal Protective Equipment

Protective Clothing Prevents Serious Burns from Hot Polymer



Face Shield

280 C Nylon Polymer

Personal Protective Equipment

Safety Glasses...Protecting Your Eyes Everyday



Imagine what would have happened if these people had not been wearing their safety glasses.



Review

- Line of Fire
 - Every choice you make during a task determines your potential for injury. Don't just plan how to do the job and what tools to use, stop and think about how you will position yourself to stay out of harm's way.
- PPE
 - As great as PPE can be, it has limitations and won't protect you from everything. Find out the limitations of your equipment.
 - Check safety rules and operating procedures for PPE requirements for specific tasks. Ask your supervisor if clarification is needed.
 - Take responsibility for your safety and wear your PPE...it cannot and will not help you if you choose not to wear it or choose to wear it incorrectly.

Staying out of the Line of Fire and wearing your PPE are two giant steps to staying safe.