

From: Doll, Laura  
Sent: 6/24/2014 11:42:46 AM  
To: kenneth.bruno@cpuc.ca.gov (kenneth.bruno@cpuc.ca.gov)  
Cc:  
Bcc:  
Subject: FW: Strong process safety prevents accidents

Hi Ken

FYI

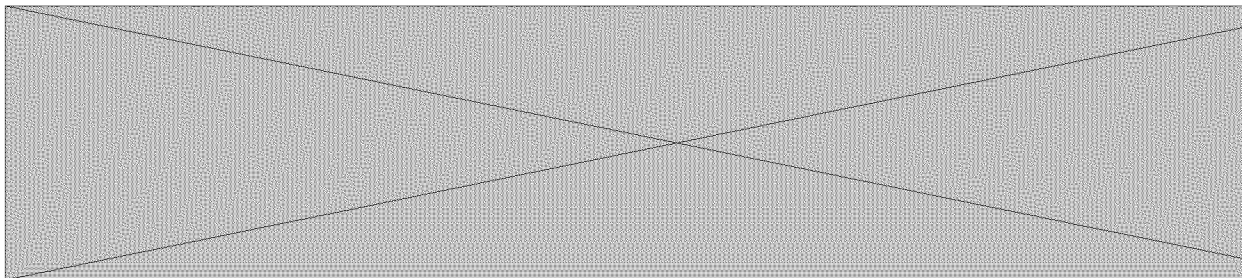
I am hearing the term “process safety” a lot more around the Gas Ops organization and it is slowly starting to make more sense to me. You may already be familiar with it.

We may try to include a brief discussion about what we’re doing (we even have a process safety director now) at our quarterly meeting.

Thanks

Laura

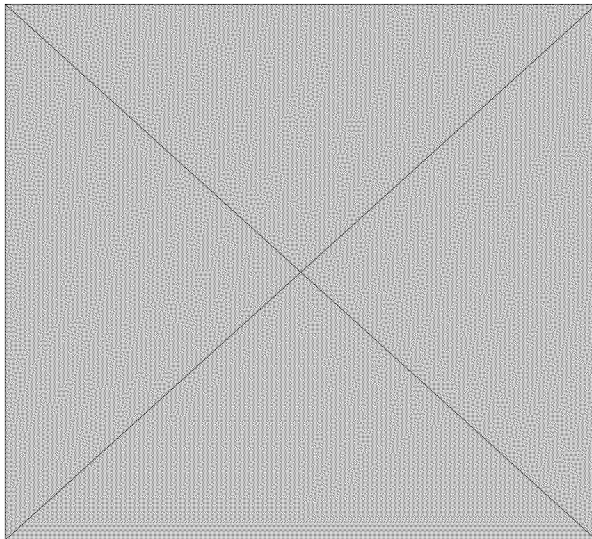
**From:** A Message from Nick Stavropoulos  
**Sent:** Wednesday, June 18, 2014 4:12 PM  
**To:** Gas Operations All Employees  
**Subject:** Strong process safety prevents accidents



Team,

The words “process safety” may seem vague, but the meaning behind them has great significance to the communities that live near industrial complexes, under power lines and over natural gas pipelines. Just type “process safety” into your web browser and you will inevitably see heartbreaking pictures of the Bhopal incident. This is the single incident that triggered the creation of stringent process safety guidelines for industries worldwide.

### **The Bhopal disaster**



One early morning in 1984, thousands of people who lived in Bhopal, India, awoke to a highly toxic cloud released from the nearby Union Carbide pesticide plant. The cloud quickly spread from the tall stacks of the plant to surrounding areas and resulted in the deaths of over 2,000 people. At least 200,000 people fled Bhopal during the week after the accident. Thousands more were injured and disfigured from the toxins.

It was a completely preventable tragedy. Union Carbide’s release of materials was a result of poor safety management practices, insufficient early warning systems and lack of emergency preparedness within the surrounding community.

### **What we can all learn from Bhopal**

We all have a shared responsibility to help prevent and prepare for the worst

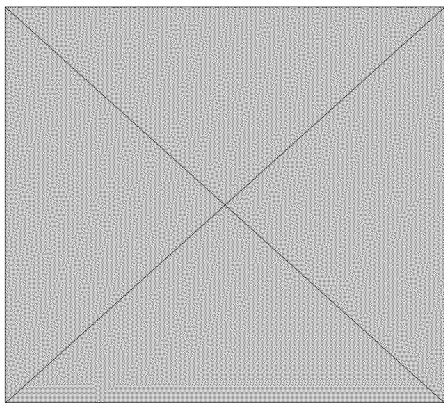
possible scenario that could happen during any job. It's as easy as asking yourself and your teammates a few simple questions:

- What can go wrong?
- How bad could it be?
- How often might it happen?
- Are the proper safeguards in place?
- How can I better manage this risk?

A questioning attitude can help improve the safety and reduce the consequences of unwanted or unplanned release of materials or energy. This attitude is the essence of a good process safety culture.

Our goal is for every employee in Gas Operations to be followers of process safety; able to understand the vulnerabilities of our everyday processes and how these vulnerabilities can escalate to hazards.

### **Why is process safety so important?**



Process safety is an *integral* part of Gas Safety Excellence.

Process safety is not about slips, trips and falls, or what we commonly refer to as employee safety; it focuses on the strength of processes, safe design and the safe operation of our assets to prevent or mitigate unintentional releases of materials or energy.

Process safety protects our employees, the public, the environment and property.

### **A note of confidence**

This is one of the best gas operations teams in the world, as illustrated by our recent ISO 55001 and PAS 55-1 certifications and all of the progress we've made over the last several years.

I'm confident we can build the strongest process safety program in our industry. If you have an idea or suggestion on how we can improve our team's process safety, we want to hear about it.

Please report any process safety issues, ideas or concerns through our Corrective Action Program or email [Andre Da Costa](#), Director of Process Safety, if you want to find out how to get more involved.

Thank you for your commitment to Gas Safety Excellence.

Nick