TRAINING NEED OF CPI WITHIN CHINA

Mr. MU SHAN JUN

DEPUTY DIRECTOR

SINOPEC RESEARCH INSTITUTE OF SAFETY ENGINEERING

mushanjun@vip.sina.com

1. Background
2. The Way for Improvement
3. The Needs for Training

1.BACKGROUND

- A RAPID DEVELOPING ECONOMY
- A LONG HISTORY OF TRADITIONAL MANAGEMENT
- A HUGE NUMBER OF FARMER WORKERS
- DIFFERENT LEVELS OF COMPANY SIZE AND MANAGEMENT

THE NEED FOR DEVELOPMENT

THE NEED FOR DEVELOPMENT

THE NEED FOR DEVELOPMENT

COMES WITH:

SAFETY
ACCIDENTS

ENVIRONMENTAL
PROBLEMS

TRADITIONAL MANAGEMENT

- EMPHASIS ON RED HEADING DOCUMENTS
- NEGLIGENCE OF LAW AND REGULATIONS
- LACK OF NECESSARY SAFETY CONDITIONS
- LACK OF QUALIFIED SAFETY PROFESSIONALS

NO MEASUREMENT
NO MANAGEMENT

FARMER WORKERS

FARMER WORKERS

WHERE IS THE WAY

2.THE WAY FOR IMPROVEMENT

- BHOPAL DISASTER, COULD IT HAPPEN IN CHINA?
- PROGRESS IN SAFETY MANAGEMENT
- HSE MANGEMENT SYSTEM IS AN EFECTIVE WAY
- WE ALSO NEED A SOCIAL ENVIRONMENT

BHOPAL DISASTER

BOPAL 1984

20YEARS AFTER

COULD IT HAPPEN IN CHINA?

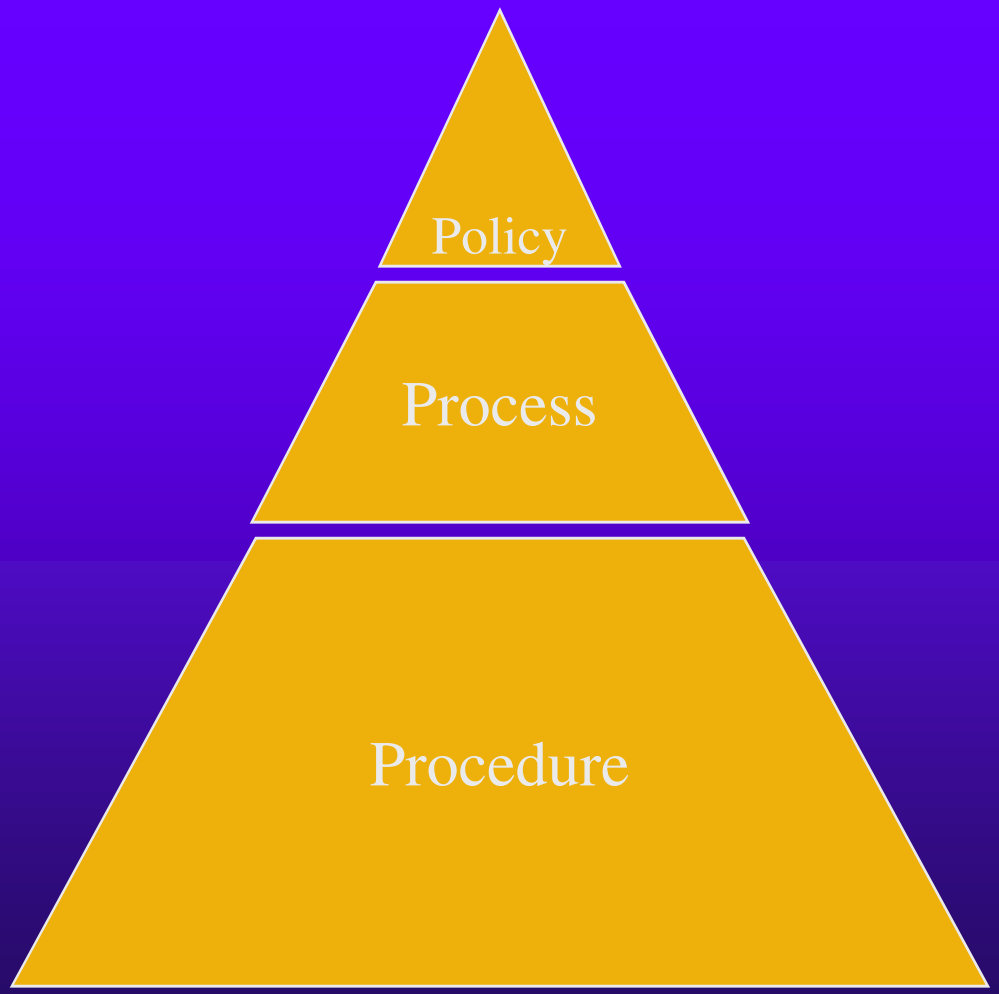
- Finagle's Law: If anything can go wrong, it will.
- There are many factors influencing safety, When an accident happened, I could tell you which is the major contributing factor. But only God knows what is the decisive factor for a future accident.
- In order to prevent an accident, we should control all those influencing factors according to our experiences, but in what a way?

PROGRESS IN SAFETY MANAGEMENT

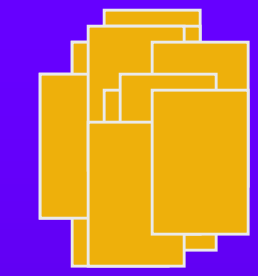
- 60/70, rules, focused on workers;
- 70/80, work process, workers and managers;
- 80/90, system, HSE management system;
- 90/00, culture, safety culture to build habit.

Every achievement in safety management is based on past works, each of the good practices is from experience and lessons learned.
In the progress of safety management, there is no surpass, no revolution; what we could see, it is step by step, stage by stage.

HSE MANAGEMENT SYSTEM

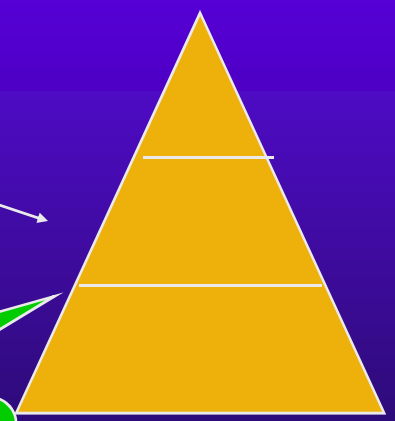


From traditional to systematic management



Confused rules and responsibilities

Put them in order. overlapped responsibilities, empty area



Clear structure

3.THE NEEDS FOR TRAINING

- TOP MANAGEMENT
- SUPERVISERS, MANAGERS
- WORKERS

FOR TOP MANAGEMENT

- LAW CONSCIOUSNESS
- CONCEPT OF SYSTEM MANAGEMENT
- RECOGNITION OF RISK BASED APPROACHES

FOR SUPERVISERS, MANAGERS

- SKILLS OF SYTEMATIC THINKING
- SKILLS OF RISK BASED MANAGEMENT
- ADOPTION OF GOOD PRACTICES

FOR WORKERS

- RIGHTS AND RESPONSIBILITIES TO KNOW
- IDENTIFICATION OF HARZADOUS CONDITIONS
- IMPORTANCE OF NEARMISS MANAGEMENT

AND ALSO

A NEED FOR QUALIFIED SAFETY PROFESSIONALS

THANKS !