Loss Prevention Week – Process Safety Management Day

Richmond Refinery
Tuesday

1/19/2010

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Process Safety – Introduction

- **Personal or occupational safety** focuses on incidents such as slips, falls, and vehicle accidents—that primarily affect one individual for each occurrence
- **Process Safety** – focuses on identifying and mitigating hazards associated with the physical and chemical properties of the material being processed
  - Process safety in a refinery includes all the work we do to prevent leaks, spills, over-pressure, excessive temperature, corrosion, metal fatigue, equipment problems and other similar conditions
  - Process safety incidents have the potential to affect individuals and large groups of workers and/or the surrounding community

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Process Safety - Video

Review this video produced by the Chemical Safety Board regarding Pressure Vessels (Duration, 3:45).

Pressure Vessels

- This video gives an example of some well-known process safety hazards that are associated with one type of common equipment.

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Process Safety – Activity

1. Identify high risk process areas that affect your work group.

Provide some examples

2. What are some of the existing work processes we already use to manage process safety?

Ex. Management of Change (MOC), Operating & Maintenance procedures, Mechanical Integrity programs

3. Remember? Please click on the link below and review some of our Process Safety Findings from past incidents.

Are the solutions still in place?

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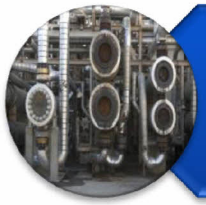
Process Safety – Activity

4. How does process safety relate to operating:
- Safely
- Reliably
- Without Environment incidents



5. How does process safety relate to:
- Overall business losses

6. How can we use our LPS tools to improve process safety?

7. Why is it important to do each job the right way – every time?

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Audio Recording

Message from Gary Ryan
Audio Recording

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