



## Assumptions of Others' Knowledge & Skills Results in Methanol Discharge

### What happened?

An employee was performing a Start-of-Shift round and observed Methanol (MeOH) discharging out of a ¼" needle valve on the High Rate MeOH pump. Worker immediately notified the control room to shut down the MeOH system. After further inspection, the worker observed a section of ¼" tubing that was not connected on the discharge of the pump. The pump was not in service; however, pressure was being supplied by a common charge pump which resulted in the release of 315 gallons of MeOH. Additional workers were dispatched to clean the area. No fluids reached the water.

### What went wrong?

Technician 1 relied on knowledge (versus following the JSA/Company Internal Policy) to complete the work. Technician 2 relied on the skill/knowledge of technician 1 to complete the work. The Supervisor for the work relied on the skill/knowledge of the technicians. The contract supervisor notified company inspector that the work was complete. The inspector is responsible for assuring that the work is completed. In this event the rep relied on the skill/knowledge of the contract crew.

### Why did it happen?

The Reinstatement Leak Testing requirement in company standard specifically notes leak testing for Hydrocarbon gas/liquid trains and does not mention chemicals such as Methanol.

### What areas were identified for improvement?

- Update Reinstatement Leak Testing standard to include any material could result in a Tiered Event.
- Develop auditable controls for how construction inspector assures work prior to handover to operations.
- Ensure all workers that may/will conduct any tubing work have been trained in tubing installation.
- Ensure supervisors are held accountable for maintaining QAQC documentation and refreshed in company inspection policy, and company Quality Assurance/Quality Control (QAQC) check sheets.

## What will WE do to prevent this from happening HERE?

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