



13th Chemical Process Safety Sharing, Thailand

Presenter Bio data & Abstract



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Current Position : **Technology Leader – Fire and Safety System**

Working Experience : **14 years**



Presentation Topic : **How to ensure Effectiveness of Secondary Containment**

Presentation Abstract:

The Process Hazard Analysis (PHA) identifies potential risks associated with the Loss of Primary Containment (LOPC) in chemical plants. The production team typically focuses on implementing preventive measures such as process alarms, safety interlocks, and safety devices to mitigate these risks. However, in the event that preventive measures fail and LOPC occurs, mitigative actions like secondary containment become crucial for containing chemical leaks within designated areas.

Drawing from lessons learned and best practices, SCGC has undertaken initiatives to enhance the effectiveness of secondary containment systems. This includes reviewing the capacity and design of bund-drainage systems, conducting thorough inspections, and performing regular maintenance.

This presentation will highlight the importance of effective dike and bund systems and will detail how SCGC has improved these systems to ensure the reliability of secondary containment measures, thereby minimizing the risk of catastrophic events, including environmental contamination resulting from spills or leaks.