Chemical Industries


Fatal Injuries

1 fatal incident due to fire and explosion in 2015

Non-Fatal Injuries

Major Injury Rate

Minor Injury Rate

Fire & Explosion and Caught in/between Objects were the leading incident types

Slips, Trips & Falls were the leading incident type

Top 3 incident types accounted for 51% of non-fatal injuries

1) Slips, Trips & Falls (21%)
   - Floor/level surfaces were the main incident agent

2) Struck by Moving Objects (17%)
   - Forklift, excavators & other industrial trucks were the main incident agent

3) Caught in/between Objects (13%)
   - Industrial machines were the main incident agent

Injured Worker’s Profile

Majority of the injured workers were found to be in their 30s & below

Majority of the injured workers were to be in their first 2 years of employment

Industry Best Practices

Air Liquide Singapore Pte Ltd uses ultraviolet(UV)/infrared(IR) flame detectors instead of the commonly used smoke/heat detectors, as UV/IR flame detector minimises the chances of false alarms. It is a dual band detector that is sensitive to UV and IR radiation emitted by flames.

In Glaxo Wellcome Manufacturing Pte Ltd (GSK) Jurong, all newly employed staff undergo robust induction training programmes. In addition, operators who work in the production building are required to go through hands-on training skids, conducted by in-house WSQ qualified trainers to ensure the training’s quality. These training skids are found in GSK’s Site Learning Zone, a safe learning environment located within GSK’s premises. They simulate some operations like changing of valves, filters and Lock-Out-Tag-Out system, giving employees the opportunity to familiarize themselves with the operations. Employees are only certified to perform their tasks in the production areas after passing all the required modules.

1 Chemical industries refer to manufacture of refined petroleum products, manufacture of chemicals and chemical products, manufacture of pharmaceuticals and biological products and process and industrial plan engineering services.

2 Major and minor injury rates refer to the number of major and minor injuries per 100,000 employed persons respectively.

For more information, please visit the WSH Council website at www.wshc.sg.