



# **Dow Chemical 2018 Review for ACNCG**

10<sup>th</sup> May 2018

## Dow updates: March – May 2018

- Company Compliance
- Regulatory Compliance
- Improvement plans - updates

# Company Compliance

## 1. Safety Case

- Dow granted 5-year unconditional MHF license
- Brief summary will be shared by Safety Case Coordinator

## 2. Personal injury

- ZERO recordable injury since May 2016

## 3. Loss of Containment

- One recordable containment loss in March 2018.

# Overflow from containment pit

<b>Date</b>	<b>Saturday, 17/3/2018, 5.45 am</b>
What	Water containing 4-29 kg of polyol (non-hazardous) overflowed into inadequate secondary containment. Event was due to partial blockage of transfer pump.
Where	Plant wastewater pit and surrounding area
Significance	Over flow of water over un-sealed surface
Immediate Mitigative Actions	<ul style="list-style-type: none"><li>• Shut sluice gates to prevent any water leaving the site through stormwater system</li><li>• Flushed and pumped water from collection pit to trade waste</li><li>• Reported event to EPA</li></ul>

# Regulatory Compliance

## EPA:

- Update on Clean-up plan submitted to EPA on 27/04/2018.
- Progress made in addressing the Improvement Notices from the EPA and results have been shared accordingly.

## Worksafe:

- No reportable events.

## City West Water:

- Full compliance to Trade Waste Agreement for 2018 YTD.



# — Company activities and updates

# Maintenance Turnaround 2018

- During the 7 week turnaround we achieved:
  - The writing of over 400 Safe work permits.
  - 41 Confined space tasks.
  - Over one dozen High energy tasks in hazardous areas.
  - Close to 5000 man hours without a safety incident or a spill of product to the ground.
  - We achieved a safe and successful turnaround.



## ANZ Hub Meeting and Subject Matter Experts

- SMEs in Personal Safety and Industrial Hygiene visited the site to share knowledge and provide training to EHS team.
- Our EHS team, along with the Geelong team visited sites in Auckland and New Plymouth to observe best practices and carry out fresh eye observations.
- 3 Days of training and discussions covering a range of topics including:
  - Total Worker Health.
  - Behaviour Based Performance.
  - Fall protection.
  - Industrial Hygiene.
  - Personal Safety.
  - EH&S Innovations.





# Sourdough Project

- Project aim was to automate the process of producing raw material to reduce manual handling.
- Project Benefits – Personal Safety
  - Reduce manual handling (ergonomic improvement).
  - Reduce handling of hot material and relying on PPE only.

<b>POSTURE (P)</b>	<b>1</b>	<b>2</b>	<b>5</b>
Head/Neck			
Shoulder/Arm			
Hands/Wrist			
Torso			
Legs/Knee			
Computer <b>REPETITION (R)</b>	<30 Words or Clicks/Min	~30-75 Words or Clicks/Min	>75 Words or Clicks/Min
Other	≤ 3x/min	~4-9x/min	≥ 10x/min
Stand	<7 kg (15 lb)	~7-25 kg (15-50 lb)	~> 25 kg (50 lb)
<b>FORCE (F)</b> Sit	<2 kg (5 lb)	2-5 kg (5-10 lb)	> 5 kg (10 lb)
<b>DURATION (D)</b>	< 15 min	15-60 min	>60 min

■ Questions?

