



DEPARTMENT OF OCCUPATIONAL
SAFETY AND HEALTH

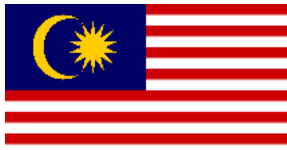


**IOMC WEBINAR ON CHEMICAL
ACCIDENTS:
PREVENTION, PREPAREDNESS AND
RESPONSE
WEDNESDAY 28TH APRIL 2021**

Hazlina Yon

Director of Chemical Management Division

**DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH
MALAYSIA**



2017

2018

2019

RECENT INCIDENCES IN MALAYSIA INVOLVING CHEMICALS

CHLORINE GAS LEAK

- MELAKA



AMMONIA LEAK

- ICE FACTORY
- SELANGOR
- 2 FATALITIES



KIM KIM RIVER POLLUTION

- 2775 PEOPLE HOSPITALIZED
- 6000 PEOPLE AFFECTED
- JOHOR



2019

AMMONIA LEAKAGE

- MELAKA
- POULTRY PROCESSING FACTORY
- 120 SCHOOL STUDENTS AFFECTED



Gas bocor, murid diarah pulang

OFFICIAL PAGE OF
MAMAGUAN.MY

JADIB: Seramai 120 murid Sekolah Kebangsaan (SK) Paya Redan, Ayer Molek, daerah Melaka Tengah, diarah pulang dari kawasan perumahan mereka setelah terdapat tergelak.

Petang Jumaat, 1 September 2019, Duta Abu Bakar Hafid, berkata ia adalah kejadian kebocoran gas ammonia dari sebuah kilang pemrosesan ayam di Seremban, 1.5 kilometer jauh dari sekolah tersebut.



2020

EXPLOSION AT PETRO CHEMICALS COMPLEX

- JOHOR
- 5 FATALITIES



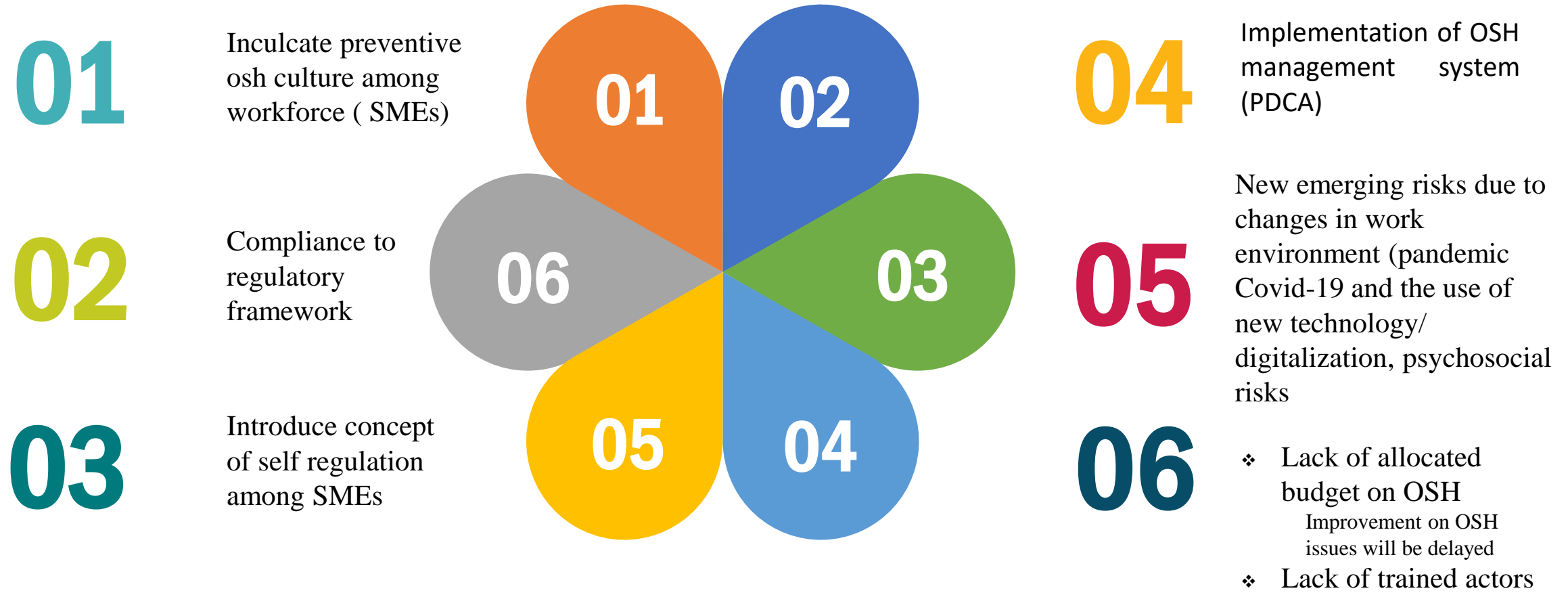
2020

WATER DISRUPTION

- AFFECTED 4 DISTRICTS IN SELANGOR
- 3000 ACCOUNTS AFFECTED



What are the challenges ahead to ensure a high level of safety and health at hazardous installations using chemicals?



Why is it that the strengthening of programmes for the prevention, preparedness and response to chemical accidents remains an issue of high importance?

- 01** Very high impact to economy of one's country
- 02** Toxic health effects to public and community (acute/ chronic)
- 03** Catastrophic (major damage) to human, animals and environment
- 04** Took long time to recover either companies or environment
- 05** Can cause fire, explosion, physical damage, multiple fatalities or casualties

Why do major accidents continue to happen despite ongoing efforts?

- 01** Failure to implement OSH management system/ to comply to regulatory requirement / No National OSH Policy
- 02** Lack of interagency collaboration
- 03** Lack of preventive maintenance programmes
Failure to maintain plant and systems
- 04** Inadequate resources (equipment/ allocated budget)
lack of data sharing
- 05** Lack of trained personnels/ training centres/ poor OSH landscape

In your experience, what are the most essential elements of an effective chemical accident prevention, preparedness and response program at the national level?



PREPAREDNESS

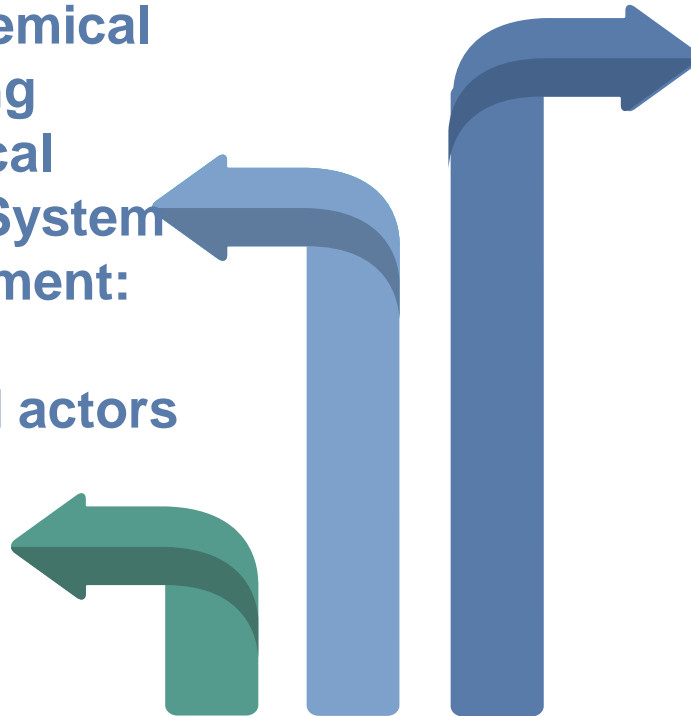
- Hazards identification: Chemical Risk Database and Mapping
- National database: Chemical Information Management System
- Chemical Detection Equipment: Reliable & dependable
- Capacity Building: Trained actors

PREVENTION

- National OSH policy
- Regulatory framework
 - Legislations
 - OSH Management system
- Effective enforcement activities
- Promotional activities

RESPONSE

- Policy
- Organizational arrangement/ relevant agencies involved
- Effective communication among agencies
- Co-operation with local authorities





CIMS: CHEMICAL INFORMATION MANAGEMENT SYSTEM

PART VI INVENTORY OF HAZARDOUS CHEMICALS

Inventory of hazardous chemicals

14. (1) An importer or a manufacturer, as the case may be, shall prepare an inventory of hazardous chemicals consisting of information on each hazardous chemical imported or supplied in a quantity of one metric tonne and above per year for each calendar year.

(2) The inventory of hazardous chemicals for each calendar year shall be submitted to the Director General not later than 31 March of the following year.

(3) The inventory of hazardous chemicals shall contain the following information:

- (a) the product identifier;
- (b) the name of the hazardous chemical;
- (c) the composition and ingredients of a hazardous chemical;
- (d) the hazard classification; and
- (e) the total quantity of each hazardous chemical imported or supplied.

OCCUPATIONAL SAFETY AND HEALTH (CLASSIFICATION, LABELLING AND SAFETY DATA SHEET OF HAZARDOUS CHEMICALS) REGULATIONS 2013 [P.U (A) 310/2013]



MAIN PURPOSE

- To monitor and analyse the trend of hazardous chemical either those imported into Malaysia or manufactured in Malaysia.
- To be the main hub for the hazardous chemicals in Malaysia.



ENGAGEMENT WITH STAKEHOLDERS/ PROMOTIONAL ACTIVITIES



ROAD SHOW WORKSHOP



TALK

DIALOGUE

