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NILLA

# HNS Working Group Update

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## Background

- HNS response was identified as gaps in OSRL membership response capability during 2019 ASR
- HNS response can be an added value by broadening the utilization of readily available OSRL equipment beyond oil spill
- OSRL looks to provide the following additional service within SLA
  - Remote technical advice
  - ♦ Global deployable response teams
  - HNS preparedness services





## **Current Status**

### Training

- Completed in March for 6 responders (2 US, 2 UK and 2 SG)
- Competency Level National Fire Protection Association (NFPA) 1072 Hazardous Materials / WMD Emergency Response Personnel Professional Qualification

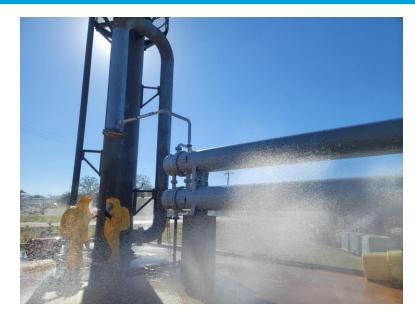








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# **FEASIBILITY STUDIES**

- Chemical Characterisation
- Equipment Compatibility
- Response Strategies
- Member's Engagement







## **Chemical Characterisation**

#### Bulk Chemical List

- Regulations covered by IMO & SOLAS for chemical tankers
- OSRL compiled a comprehensive list of likely bulk chemical list from the IBC code\* (680)

\*The International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

#### Reactive Groups

- Aware of the risk of deterioration of chemical protective clothing and response equipment.
- Categorise into different groups based on similar reaction.
- Detailed in a spreadsheet.

#### Floaters, Sinkers, Dissolvers and Evaporators

- Classify based on the physical and chemical properties
- Bonn Agreement Counter Pollution Manual
- OSRL will be able to respond to persistent floaters using existing equipm
- Mostly chemicals with oil like characteristics



# **Equipment Compatibility**



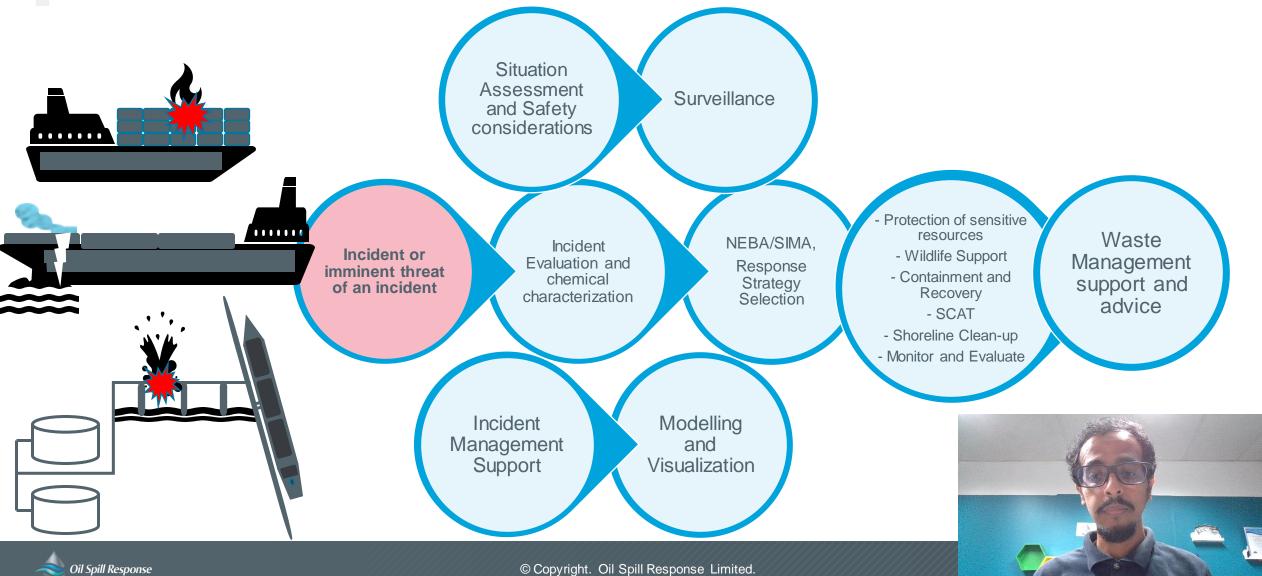
- Suitability by Reactive Group
- Gathering information of equipment materials
- Compatibility of the equipment materials with each reactive

groupIdentifyi





## **Potential OSRL HNS Response Tools**



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Member Engagement

Started engagement with members/clients

### Understand member chemical risk

- Shipping
- Petrochemical Plant
- Distribution

## Member Engagement - Preparedness

- Collecting member chemical database
- Deliver member HNS response plan update in their National Oil Spill Contingency Plan for 2022-2023
- Developed member chemical response plan in 2018





## HNS Group Next Steps

Maintain	Resources	Service Delivery
<ul> <li>Competency</li> <li>2023 Refresher Training (TEEX)</li> <li>Joint training &amp; exercise w/ local agencies or partners</li> </ul>	<ul> <li>CAPEX - Training</li> <li>PPE</li> <li>Level A &amp; B Suits</li> <li>Air monitoring equipment</li> </ul>	<ul> <li>Scope</li> <li>1st focus on oil-likes.</li> <li>Serve as TA in IMT. If needed, be able to do entries.</li> </ul>
<b>Right Size Resources</b> • 2023 – 3 responders to TEEX	<ul><li>Assessment Resources</li><li>Plume modelling tools</li><li>Partners</li></ul>	OSRL's processes & procedures