

# CAP Emergency Response Presentation – 11/30/21



# INTRODUCTION

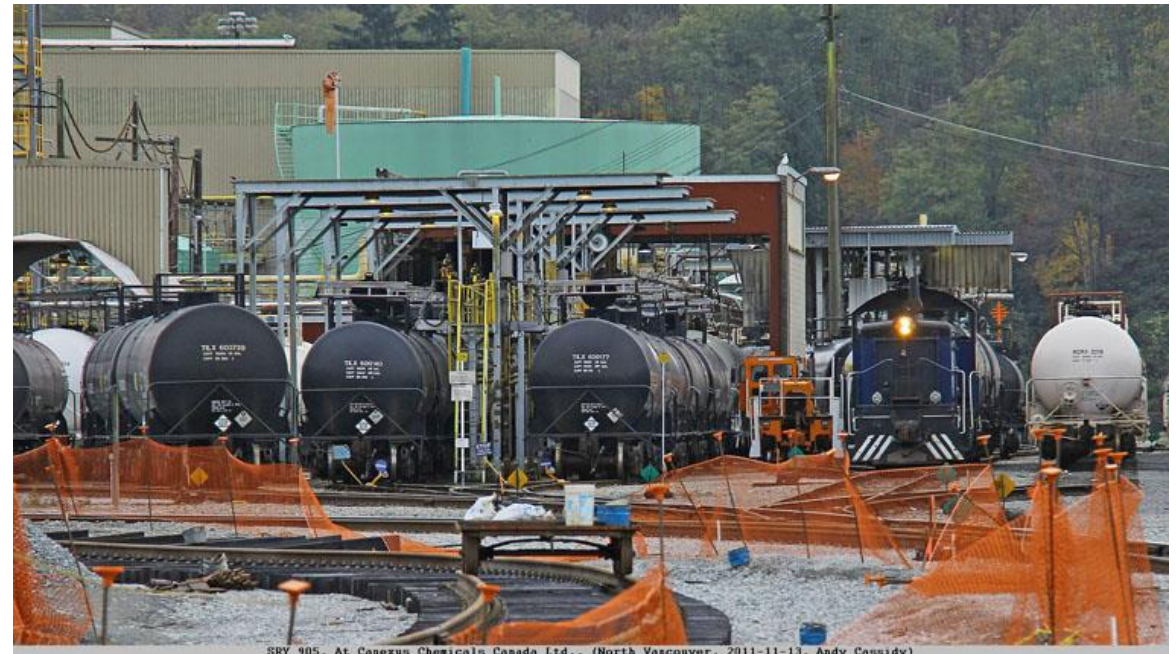
A presentation by North Shore emergency partners, in collaboration with industry representatives to develop an integrated and robust approach to incident response.





# INDUSTRY - PLANNING

- ❖ All plants have their own specific Emergency Response Plan (ERP) that satisfies their company safety policies, local and federal regulations.
- ❖ Each plant has guidelines to update and maintain ERP documentation, following individual policies and regulations.
- ❖ Each facility trains their plant personnel to manage site specific emergencies, with regular plant exercises required by regulation.
- ❖ All plants work with the local Fire Department and NSEM to provide tours, and/or participate in joint site exercises and drills.



# INDUSTRY - RESPONSE



- ❖ Majority of emergencies managed by plant's without outside assistance.
- ❖ The main factors for determining the need of outside assistance are when an injury or incident control is beyond local employees training capabilities and, where there is impact on our immediate neighbors.
- ❖ People, Environment, Equipment in that priority.
- ❖ Alarm systems (audible, connected to Fire Department) are in place.
- ❖ Head Count – ensure people are accounted for.

# INDUSTRY - COOPERATION



- ❖ Fire Department responds as appropriate:
  - ❖ Outside plant boundaries
  - ❖ Larger than plant personnel can handle
- ❖ Fire Department met at plant gate by site personnel for situational awareness. In Chemtrade's and ERCO's case – they are connected by radio and can connect prior to arrival at plant site.
- ❖ Fire Department supports the response, and collaborates with site personnel to determine how to best manage the incident
  - ❖ Is evacuation needed?
  - ❖ What other agencies are required?
- ❖ Plant provides knowledge & expertise about their sites to Fire Department as appropriate.



# DNV FIRE – INDUSTRIAL RESPONSE



- ❖ **1<sup>ST</sup> Alarm Assignment:** 3 Fire Engines, 1 Ladder Truck, & 1 Command Officer (16 Personnel)
- ❖ **Initial Actions:** process in place to make contact by phone or radio from entrance gate.
- ❖ **If determined to be a Hazardous Materials Response either upon arrival or based on Dispatch information:** alarm assignment upgraded to HazMat – adding 1 Fire Engine, 1 Ladder Truck, 1 Command Officer & North Vancouver City Hazardous Materials Response Team (additional 8, full compliment of 24 personnel).
- ❖ Incident can be upgraded at any time should additional personnel or resources be required. Should an evacuation be required, RCMP and potentially volunteer organizations (i/.e. North Shore Rescue) might be called to assist.

# DNV FIRE - CAPABILITIES

- ❖ Cooperative Fire Services Agreement: North Vancouver City Fire Dept. provides a Hazardous Materials Response Team, specialized in the mitigation of incidents of Chemical, Biological, Radioactive, Nuclear, and Explosive (CBRNE).
- ❖ All NVCFD personnel trained to HazMat Technician Level: capable of responding in an offensive fashion to incidents to protect people, the environment and property.
- ❖ All DNVFRS personnel trained to HazMat Operations Level: respond to hazardous materials/weapons of mass destruction (WMD) incidents in a defensive posture for the purpose of protecting nearby people, the environment, or property from the release.
- ❖ All HazMat responses entail a collaborative, integrated approach based on interagency training and exercises.



# DNV FIRE – HAZMAT



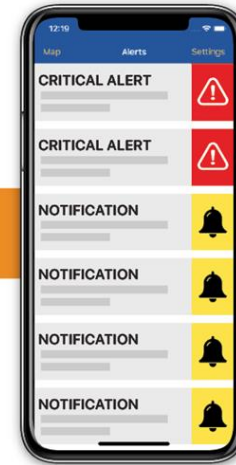
- ❖ STEP 1: Site Management & Control
- ❖ STEP 2: Identifying the Problem
- ❖ STEP 3: Hazard & Risk Evaluation
- ❖ STEP 4: Protective Clothing & Equipment
- ❖ STEP 5: Information Management & Resource Coordination
  - ❖ Potential activation of EOC through NSEM
- ❖ STEP 6: Implementing Response Objectives
- ❖ STEP 7: Decontamination
- ❖ STEP 8: Terminating the Incident





# NSEM - NOTIFICATION

- ❖ To provide mass notification of citizens, NSEM's primary tool is ALERTABLE, an opt-in digital warning system. It is free and customizable for Apple and Android apps, SMS, phone, email, social media and/or home speakers.
- ❖ ALERTABLE is used by NSEM for all hazards emergency alerts: severe weather, natural disasters, transportation accidents, etc.
- ❖ BC's Alert Ready system was recently made available to the Sea to Sky region for flooding events, but details are still to be determined to coordinate and confirm broader usage with municipalities and public safety partners.
- ❖ In the event of a leak of hazardous materials release, ALERTABLE would be triggered to notify users of substance detail and spread; along with relevant direction e.g. monitor, evacuate, shelter in place, etc. Individual plants may also utilize their own local systems.
- ❖ For any event triggering ALERTABLE, NSEM would initiate multi-agency response coordination according to incident severity and pre-established protocols, along with amplification of fire department messaging to inform and update local communities.



Public Alerts

Stay Informed



# NSEM – COORDINATION



- ❖ The NSEM team and office are equipped to support a regional-level (North Shore) Emergency Operations Centre (EOC) response
- ❖ EOC role is to support and coordinate first responder and municipal continuity of operations during major incidents.
- ❖ NSEM response roles could also include coordination of evacuation or Shelter-in-Place processes, providing Emergency Support Services for impacted residents, and liaising with industry to amplify public messaging.
- ❖ Following any level of chemical event, NSEM would also facilitate an all agency debriefing within 2 weeks.



# NSEM – COMMUNICATION

Home > Know the Risks



## Are You Ready?

A natural disaster can strike at any time, without warning. Learn how to make an emergency kit and plan, and protect yourself, your family, and your property.

Register for a workshop

## TECHNOLOGY AND INDUSTRIAL ACCIDENTS



Technology and industrial accidents are disasters that occur as a result of human action rather than forces of nature.

### KNOW THE RISKS

Earthquake

Tsunami

Forest Fire

Wildlife

Avalanche

Carbon Monoxide

Hazardous materials

Power outages

Security risks and cyber attacks

Home > During an Emergency



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## SHELTERING IN PLACE



Emergency officials may instruct you to go or remain indoors during a hazardous materials spill, which reduces the amount of air moving into and out of a building until the hazard passes.

Quick tips for sheltering in place

Before you're ready to shelter in place

- ❖ NSEM utilizes a variety of digital and traditional communications channels to engage and inform North Shore residents and businesses.
- ❖ If an industrial incident occurred, NSEM would work with industry and public safety partners to update these channels before, during and after the event.
- ❖ North Shore citizens are expected to actively contribute to their own personal emergency preparedness: know the risks, make a plan, get prepared and stay aware.
- ❖ NSEM supports this through a range of public education programming targeted at various audiences, from basic emergency preparedness tips to detailed Shelter-in-Place and evacuation training.

# QUESTIONS

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