



A Canadian Approach To HNS Marine Pollution

Presented by

André Laflamme
Senior Advisor, Environmental Preparedness and Response
Transport Canada, Marine Safety & Security
March 25, 2015





OBJECTIVES

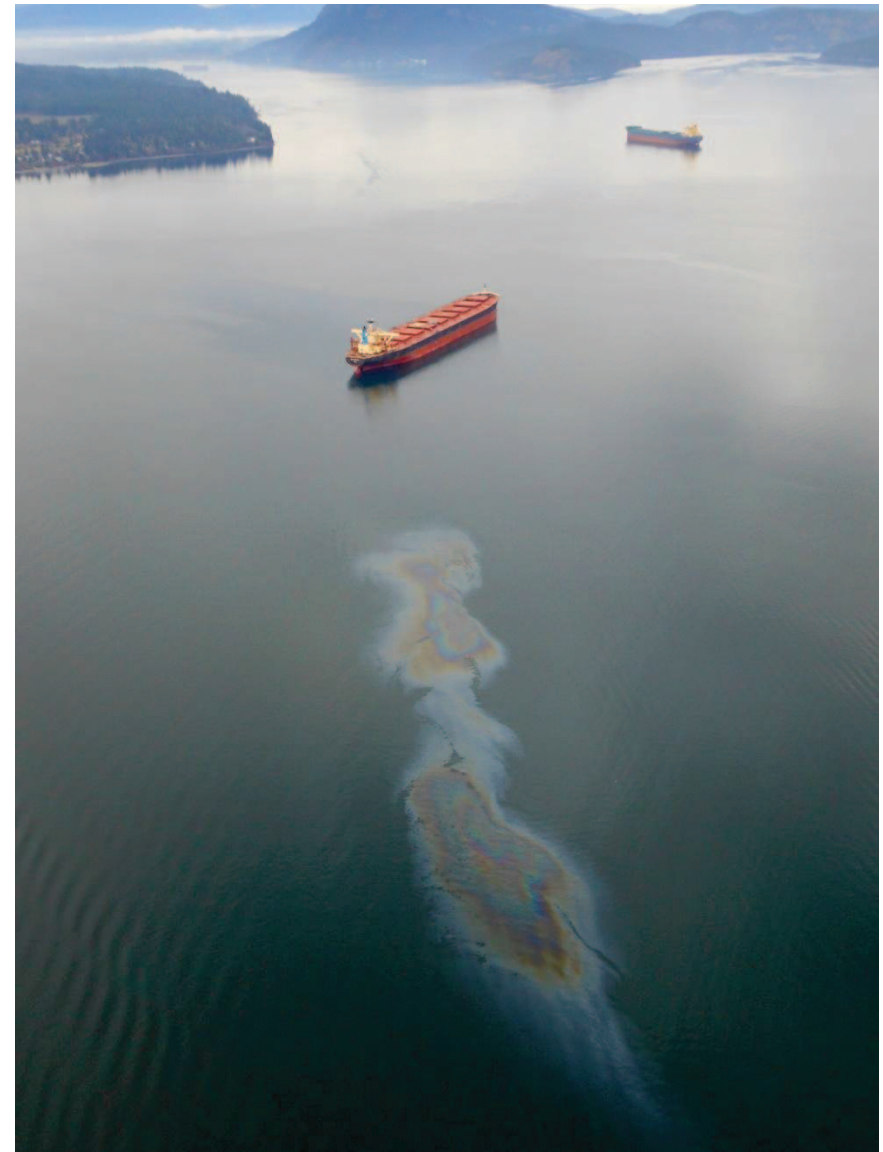
Inform participants about Canada's approach regarding the development and implementation of a marine preparedness and response program for hazardous and noxious substances and related initiatives.

1. Overview
2. Preparedness and response
 - Existing marine response regime
 - HNS program
3. Tanker Safety Expert Panel
 - HNS Risk assessment
4. Next steps/Conclusion



CANADA'S OIL SPILL PREPAREDNESS AND RESPONSE REGIME...

- ... was established in 1995 after several large-scale incidents in or near Canadian waters.
- Basic principle: “*polluter pays*”!
 - Polluters are responsible for any pollution they cause, as set out in the:
- Canada Shipping Act, 2001 (Part 8)
- Does not apply to the offshore oil and gas industry, and to spills from land-based facilities.





TANKER SAFETY EXPERT PANEL

Scope of the review

(i) Regime's current spill preparedness (for 10,000 tonnes)

Make recommendations about this regulatory requirement:
Is it enough for future requirements?
What quantity would be best?

(ii) Regime's structure and key components

How effective is the current governance structure? How are preparedness and response linked to liability and compensation?

(iii) Regime's coverage

Is it necessary to extend coverage to hazardous and noxious substances? Is it necessary to established a preparedness and response system in Northern Canada?

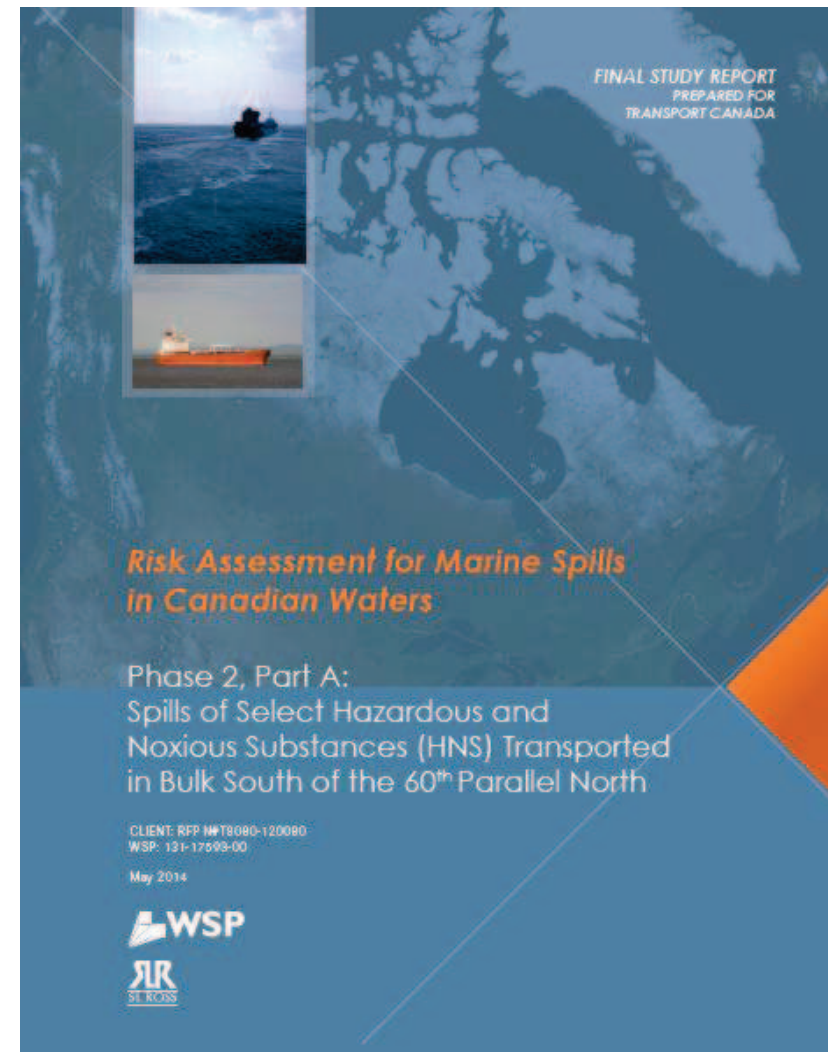




PAN-CANADIAN ASSESSMENT OF SPILL-RELATED RISKS

Phase 2 - Risk Assessment (HNS)

The study aims to provide an assessment of the relative risk of select bulk HNS spills in Canadian waters for south (Part A) and north/Arctic (Part B) of 60 degree of latitude North.

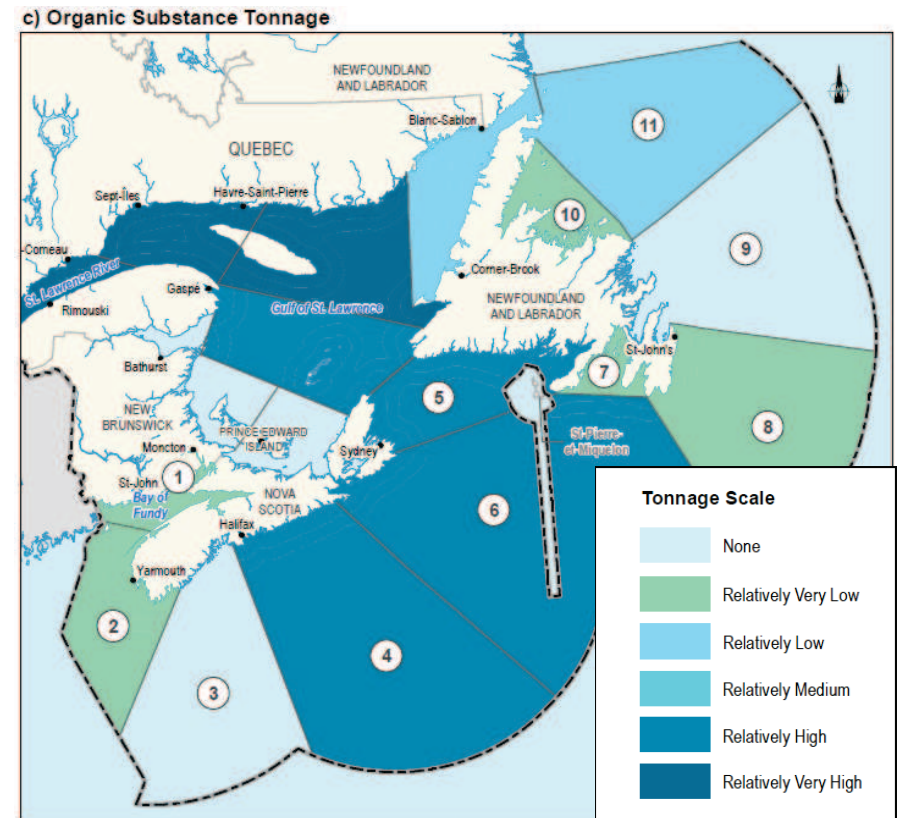


Source: <http://www.tc.gc.ca/eng/marinesafety/menu-4100.htm#p2>



PAN-CANADIAN ASSESSMENT OF SPILL-RELATED RISKS (preliminary report)

- The HNS-related risk analysis draws on large-scale data and thus provides a relative estimate of risk for the whole of Canada.
- Generally speaking, the risk values reflect tonnages transported.
- Five categories of goods transported in bulk (25 substances):
 1. Petroleum coke and asphalt
 2. Compressed and liquified gases
 3. Organic substances
 4. Inorganic substances
 5. Animal and vegetable oils





TANKER SAFETY EXPERT PANEL

Phase 2 Report (Arctic & HNS)

Is it necessary to establish a preparedness and response program in the North and to extend the existing Regime to cover hazardous and noxious substances? What would be the conceptual and financial impacts?

Areas for research:

- Scope/coverage - Prevention, Existing response capability - Preparedness and response - Roles, responsibilities and legal framework - Research & Development

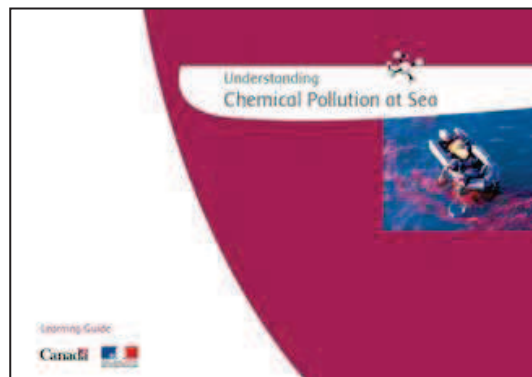
Expected report release in early-2015. Check out:

<https://www.tc.gc.ca/eng/tankersafetyexpertpanel/page-129.html>



NEXT STEPS

1. Tracking and reporting system on the transportation of hazardous and noxious substances;
2. Update the existing marine preparedness and response regime to include HNS;
3. Consider accession to the OPRC-HNS Protocol;
4. International cooperation:
 - HNS educational guide/web site w. Cedre (completed)
 - HNS Operational Guide w. Cedre (underway)
 - Polluproof...





[ANR-13-ECOT-007]

<http://w3.onera.fr/polluproof/>



Transports Canada



Transport Canada

- Accueil
- Le projet**
- Référentiel
- Partenaires
- Utilisateurs finaux

Le projet

- Le projet POLLUPROOF est financé par l'ANR ECO-TS 2013.

POLLUPROOF is about the consolidation of evidence, through specialised airborne cameras & radars, related to marine chemical pollution.





[ANR-13-ECOT-007]

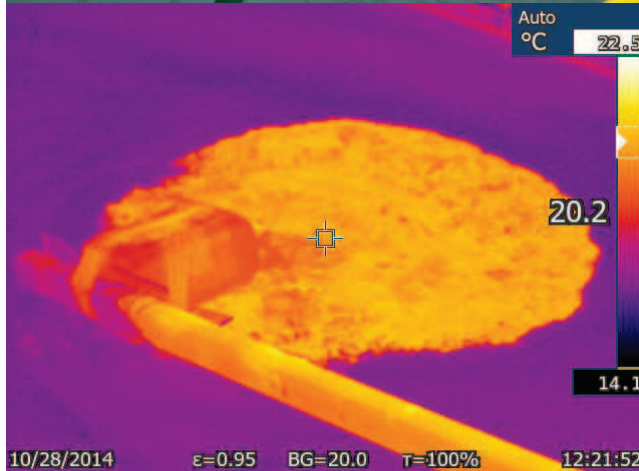


Transports Canada

Transport Canada

<http://w3.onera.fr/polluproof/>

- Accueil
- Le projet**
- Référentiel
- Partenaires
- Utilisateurs finaux





Merci! Thank you! Dankjewel!

QUESTIONS?



Transport Canada Transports Canada

André Laflamme

Senior Advisor
Hazardous and Noxious Substances
Marine Safety, Environmental Response

Tower C, Place de Ville
330 Sparks Street, 10th Floor
Ottawa, ON K1A 0N8
Telephone: 613-990-9414 Fax: 613-993-8196
E-mail: andre.laflamme@tc.gc.ca

Canada