



TRANSPORT CANADA

ECOLOGICAL SPILL RESPONSE: LOCAL CAPABILITIES AND CAPACITIES TO RESPOND

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Lauren Kinney
Assistant Deputy Minister





PRESENTATION OVERVIEW

Key Achievements Post Lac Mégantic

- Emergency Response Task Force (ERTF) Recommendations
- Participating in Live Exercise : Vulcan
- Enhanced Emergency Response Assistance Plans (ERAP)
- Enhanced Capacity at Canadian Transport Emergency Center (CANUTECC)
- Improvements to Emergency Response Guidebook (ERG) 2016



EMERGENCY RESPONSE TASK FORCE

LAUNCHED JULY 2014 – ENDED MARCH 2016

- Provided advice and recommendations to improve responder and public safety at dangerous goods incidents involving flammable liquids transported by rail.
- Areas of work:
 - Flammable liquids response capacity (such as equipment, intervention strategies)
 - Data gaps (transport routes, volumes, communities, fire service capacity)
 - Incident command system and response engagement
 - Emergency Response Assistance Plans (ERAP) program functionality



ERTF FINDINGS AND RECOMMENDATIONS: THREE THEMES

I – Potential Expansion of the ERAP Requirement to other Flammable Liquids

II – Incident Command System (ICS), Emergency Response Capacity, and Awareness

III – Improvement of the ERAP Program



KEY ACTIVITIES AND INITIATIVES

- Included ERAP information in the 2016 Edition of the ERG.
- Revised procedures to gain access to real-time information regarding train consists through AskRail application and through automatic e-mail distribution.
- Identified Incident Command System and Unified Command as requirement in ERAP submissions.
- Included Tiered-Response and Timelines Best Practices in ERAP Assessment Framework and included in TDG Safety Awareness Outreach Program.
- Mapped fire station location, their staffing and the volume of foam B at locations.



KEY ACTIVITIES AND INITIATIVES (CONT)

- Produced twenty-one commodity flow maps showing the movement of 43 high priority Class 3 dangerous goods.
- Crude oil Research and Sampling Initiative.
- Creation of Emergency Response Sub-Committee to look at emergency response beyond flammable liquids (to be launched May 2016).
- First responder training:
 - Online safety awareness program.
 - Development of competency guidelines on flammable liquids
- Strong working relationship with the Pipeline and Hazardous Materials Safety Administration (PHMSA) and the National Fire Protection Association (NFPA).



EMERGENCY RESPONSE TASK FORCE

ERTF final report is expected in spring 2016.

For more details: <https://www.tc.gc.ca/eng/tdg/safety-menu-1186.html>



DERAILMENT IN GOGAMA, ONTARIO (MARCH 7, 2015)

National Aerial Surveillance Program (NASP) support services



EXERCISE VULCAN

- Transport Canada, in partnership with Defense Research and Development Canada – Center for Security Science (DRDC – CSS), hosted a Full Scale hands-on exercise (FSX) at Justice Institute of British Columbia (BC), Maple Ridge, BC – March 12 -13, 2016.
- Full Scale hands-on exercise objectives at Justice Institute of British Columbia.



For more details: <http://www.canadianunderwriter.ca/insurance/train-derailment-exercise-seeks-to-identify-how-to-improve-collaboration-response-capabilities-1004073985/?er=NA>



EMERGENCY RESPONSE ASSISTANCE PLANS

- In Canada, the *Transportation of Dangerous Goods Act 1992*, requires that before a person offers for transport or imports certain dangerous goods, the person must have an approved Emergency Response Assistance Plan (ERAP).
- Post Lac Mégantic – required ERAPs for high volume flammable liquids (crude oil and ethanol).
- ERAP Calculator – determine if an ERAP is required for a shipment.

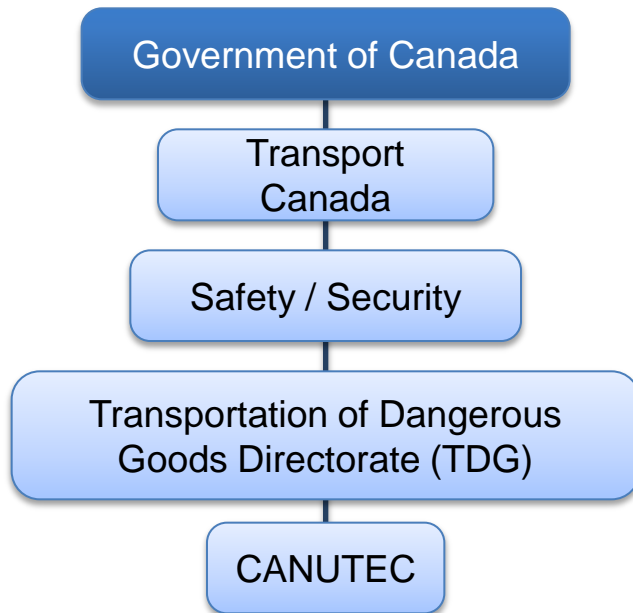
For more details:

<http://www.tc.gc.ca/eng/tdg/awareness-materials-and-faq-1159.html>

<http://www.tc.gc.ca/eng/tdg/newsletter-2015-1243.html>



CANUTEC



CANUTEC is the **Canadian Transport Emergency Centre** operated by Transport Canada. It provides advice to first responders during emergencies involving dangerous goods.



INFORMATION PROVIDED BY CANUTEC

- Chemical, physical and toxicological properties of dangerous goods.
- Product incompatibilities and stabilities.
- Fire, explosion or spill mitigation techniques.
- Immediate public safety actions.
- Protective clothing requirements and decontamination.
- Potential health effects.
- Plume/dispersion analysis.
- Isolation and evacuation distances.
- Information on the national ERAP registry.
- Access to national mutual aid groups. (e.g. CHLOREP, LPGERC, etc.)
- Coordination of communication between the shipper, first responders and medical specialists.
- Point of contact for intergovernmental agencies.

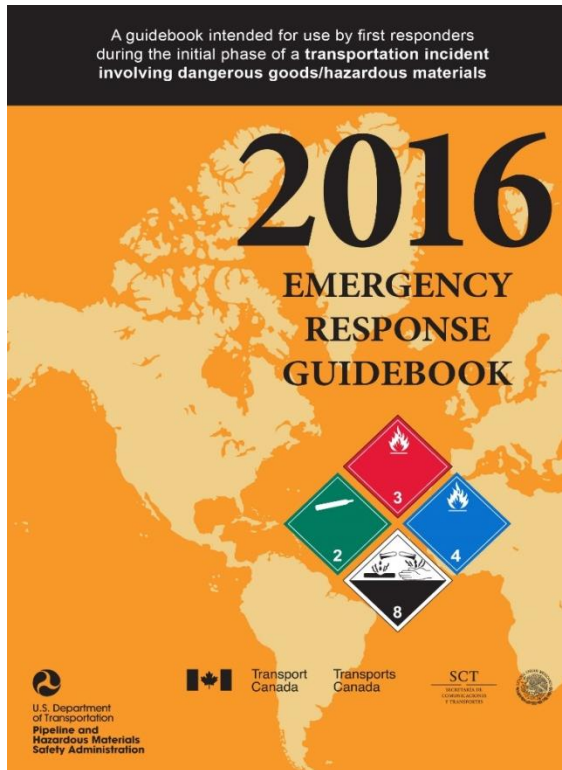


CANUTEC - SAFETY DATA SHEET DATABASE



- CANUTEC manages close to 2.1 million Safety Data Sheet (SDS) in paper and electronic format.
- Approximately 40 000 Safety Data Sheets are received every month.
- Information described and transmitted to emergency response scene.
- Safety Data Sheet information is specifically critical for non-transport related incidents.
- Obtains train consists following an accident to support first responders.
- Has access to AskRail, which is a safety tool that provides first responders immediate access to accurate, timely data about what types of hazardous materials a railcar is carrying.

EMERGENCY RESPONSE GUIDEBOOK ERG 2016



- Developed in partnership with the United States, Mexico and Argentina.
- To aid first responders in identifying hazards.
- Published every 4 years.
- Distributed free of charge to first responders.
- As a result of the Emergency Response Task Force recommendations, information on the Emergency Response Assistance Plan (ERAP) was added in the 2016 Edition of the Emergency Response Guidebook.

Distribution of the ERG 2016, Spring 2016

For more details: <https://www.tc.gc.ca/eng/canutec/guide-menu-227.htm>

THANK YOU FOR YOUR TIME!

Any Questions?

