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## Transport Canada Emergency Response Task Force (ERTF) - Membership

Chris Power, **Chair**  
Adrian Michielsen, **Vice-Chair**

### Aboriginal Firefighters Association of Canada

Blaine Wiggins, Arnold Lazare and Mike Seth

### Assembly of First Nations

Irving Leblanc

### British Columbia Ministry of Environment

Dennis Redford, Laurie Boyle, D'Arcy Sego and Yannick Lapière

### British Columbia Ministry of Transportation

Brandie Frawley

### Responsible Distribution Canada

(Canadian Association of Chemical Distributors, CACD)

Jim Bird and Mark Jasper

### Canadian Association of Chiefs of Police

Mark Ford and Murray Knowles

### Canadian Association of Fire Chiefs (CAFC)

Erika Adams, Brian Ladds, J-P Cody-Cox,  
Kevin Clifford, Dan Paulsen and Corey Schram

### Canadian Association of Petroleum Producers (CAPP)

Blake Williams, Vicki Balance, Craig McCaskey and Henry Ridders

### Canadian Council of Fire Marshals and Commissioners (CCFMC)

Dennis Gannon

### Canadian Emergency Response Contractors Alliance (CERCA)

Bob Goodfellow and Jean-Claude Morin

### Canadian Fuels Association (CFA)

Adrian Michielsen (**ERTF Vice-Chair**) and Linda Manka

### Canadian Interoperability Technology Interest Group (CITIG)

Eric Torunski

### Canadian National (CN) Rail

Danny Simpson and Lee Nelson

### Canadian Pacific (CP) Rail

Jim Kozey, Darlene Nagy and Scott Croome

### Canadian Propane Association (CPA)

Mélanie Levac

### Canadian Volunteer Fire Services Association

Denis Lauzon (**Lac-Mégantic**)

### Canadian Trucking Alliance (CTA)

Geoffrey Wood and Barrie Montague

### Centre for Toxicology and Environmental Health (United States)

James Panasiuk and Dr. Glenn Millner

### Chemistry Industry Association of Canada

Fiona Cook and Kara Edwards

### Defense Research and Development Canada

Centre for Security Science (DRDC-CSS)

David Matschke, Jean Murwanashyaka, Tara Logue and  
John DeHooge

### École nationale des pompiers du Québec

Benoît Laroche

### Emergency Response Assistance Canada (ERAC)

Spencer Buckland, Patrick Knight and Louis-Philippe Éthier

### ENFORM

Finbarr Wilson and Gordon Walsh

### Environment Canada

Lo Cheng, Simon Despatie and Thierry Mezzana

### Federal/Provincial/Territorial Task Force

Trudy Iwanyshyn and Scott Davies

### Federation of Canadian Municipalities (FCM)

Andrée Chenard, Daniel Rubinstein and Caroline Mellor

### Fertilizer Canada

Giulia Brutesco and Ron Lutzer

### International Association of Emergency Managers – Canada

Brian Moore

### Justice Institute of British Columbia (JIBC)

Peter Grootendorst and Brent Cowx

### Ministère de la Sécurité Publique du Québec

Gilles Desgagnés, Jacques Proteau, Serge Fortier,  
Sylvie Mathurin and Louis Bétournay

### National Fire Protection Association (NFPA)

Shayne Mintz and Thomas McGowan

### Ontario Ministry of Transportation

Stephanie Maragna

### Public – Subject Matter Expert

Ernie Wong, Michel Cloutier and Brian Mullen

### Railway Association of Canada (RAC)

Andy Ash, Jean-Pierre Couture and Paul Mahony

### Renewable Fuels Association (United States)

Kristy Moore and Missy Ruff

### Teamsters Canada (Rail)

Glen MacDonald, Phil Benson and Don Ashley

### Transport Canada, Transportation of Dangerous Goods (TDG)

Chris Powers (**ERTF Chair**), Louis Laferrière, Nicole Girard, Clive Law,  
Nathalie Belliveau, Benoit Turcotte, Peter Coyles, Louis Marcotte,  
Nicolas Cadotte, Fred Scaffidi, Monique Lavoie, Julie Laurendeau,  
Sara Devereaux, Mathieu Lemay, Josée Boudreau, Paul Driver, Dan Olech and  
Ève Poirier

### Transport Canada, CANUTEC

Angelo Boccanfuso, Pierre Manseau and Carieanne Picard

### Transport Canada, TDG,

**ERTF Secretariat**

Mylaine Desrosiers, Kathie Keeley,  
Lindsay Jones, Rachèle Renaud and  
Anastasia Karvounis

### Transportation Safety Board (TSB)

Kirby Jang

### Guest Presenters

André Ouellette - **Lambton College**  
Captain René Cayer – **Sûreté du**  
**Québec**

Stephen Valade – **Association des**  
**chefs d'incendies du Québec**

Canada



## Emergency Response Task Force • June 2014 – March 2016 • Achievements and future achievements

**MANDATE** Improve responder and public safety at dangerous goods incidents involving flammable liquids transported by rail.  
Conduct further research, assess, evaluate and make recommendations to advance and make improvements to the ERAP program.



### **ENHANCE** Emergency Response, Preparedness and Training

#### 24 Recommendations

Adopt a standardized approach to managing large scale incidents, understand the risks and timelines specific to flammable liquids rail incidents, have access to information on dangerous goods during an incident, put a training strategy in place for Canadian first responders and specialist and a continued collaborative working relationship between Transport Canada and all stakeholders.

#### Achievements to date

- CANUTEC now has immediate access to real time train consist data from rail carriers through automatic e-mail distribution, and also to the “Ask Rail” mobile application. **(September 2015)**
- The modified ERAP Assessment Framework now requires the plan holder’s ERAP submission to identify its Incident Command System (ICS) and a Unified Command Structure. **(January 2016)**
- Developed a TDG Outreach and Communication Strategy **(January 2016)**
- Launched the free, bilingual, online awareness tool for first responders entitled, *Emergency Preparedness for rail incidents involving flammable liquids in Canada* **(March 17, 2016)**.
- Developed a Canadian *Competency Guidelines for Responders to Incidents of Flammable Liquids in Transport, High-Hazard Flammable Trains* - **(March 31, 2016)**.
- Collaborated with Defence Research and Development Canada-Centre for Security Science to develop, fund and host Transportation of Dangerous Goods (TDG) Exercises with industry and first responders:
  - CBRNE and Flammable Liquids Tabletop exercises conducted in **November 2015**
  - Full-scale “Vulcan” Exercise conducted in **March 2016**.
  - Full-scale “Athéna” Exercise conducted in French, in Lévis, Québec in **February 2017**
- Included tiered-response and timelines best practices in the TDG Safety Awareness and Outreach program. **(April 2016)**
- Replaced Protective Direction (PD) 32 with PD 36 to provide jurisdictions with enhanced dangerous goods information needed to conduct risk assessments, emergency planning activities, and training requirement for First Responders by adding new requirements. **(April 2016)**.
- Added information on the ERAP program to the 2016 Edition of the *Emergency Response Guidebook* **(May 2016)**.
- Established Steering Committee on First Responder Training to advance the training curriculum on flammable liquids across Canada. **(December 2016)**
- Safety Awareness Kits for First Responders, Industry, Municipalities and General Public distributed in **January 2017**.
- ‘You’re Not Alone!’ document and Aide Memoire for First Responders published in **December 2017** and distributed in **January 2018**.
- The Canadian Pacific (CP), Canadian National (CN) and Railway Association of Canada (RAC/Operators) have signed a Memorandum of Understanding (MOU). This MOU addresses the emergency response assistance between CN, CP and RAC/Operators who transport dangerous goods, including Class 3 flammable liquids. **(September 2018)**



### **EXPAND** Emergency Response Assistance Plan (ERAP) Requirement to other Flammable Liquids

#### 5 Recommendations

Consider expanding ERAP requirements to flammable liquids beyond those already identified in Protective Direction (PD) 33 (products with subsidiary Class 3), based on Subject Matter Experts’ scientific analysis.

#### Achievements to date

- Amended *Transportation of Dangerous Goods Regulations* to include ERAP requirements for 11 flammable liquids including the 9 listed in PD 33, as well as Petroleum Sour Crude Oil (UN3494) and Alcohols, N.O.S. (UN1987). The new regulation came into force on **December 31, 2014**.
- Developed a methodology to create an inventory of Class 3 Flammable liquids based on their physical-chemical behaviours. Categorized 663 substances to determine if they should require an ERAP **(July 2015)**
- Included 43 Class 3 products identified as “priority 1” in risk assessment – determined they do not require an ERAP. **(January 2016)**
- Completed the mapping work on transportation routes and volumes of Class 3, Flammable Liquids. **(July 2016)**
- Mapped other products moving by rail in tank cars **(March 2018)**



### **IMPROVE** the Emergency Response Assistance Plan (ERAP) Program

#### 11 Recommendations

Improve how we promote awareness and understanding of roles and responsibilities, regulatory requirement, standards and guidance for first responders, industry and municipalities so they become better informed and prepared before incidents involving transportation of dangerous goods occur.

#### Achievements to date

- Established response tier and timelines (service levels) in ERAP to ensure appropriate services and assistance based on the scope and severity of an incident. **(December 2015)**
- All current ERAP plan holders are now notified via email 90 days before the renewal date of their current plan. **(February 2016)**
- Established an Emergency Response sub-committee for dangerous goods transportation incidents. Meetings are being held on a continuous basis. **(launched in May 2016)**
- Developed ERAP activation model and flow chart to set the expectations and consistent approach among rail carriers, shippers, ERAP holders/technical advisors and CANUTEC. **(September 2016)**
- Developed a Flammable Liquids Technical Advisor (FLTA) Competency Profile for Class 3, Flammable Liquids. **(October 2016)**
- Prepared a public document giving more guidance on relevant sections of the *Transportation of Dangerous Goods Act, 1992* in cooperation with TC’s Legal Service Unit (Department of Justice). **(September 2017)**
- Identified key data elements required to evaluate scope and severity of incidents and establish indicators to monitor impact. **(September 2017)**
- Formalized the existing review process using the TASC—Timely, Appropriate, Safe and Coordinated—principle. – TASC elements were added into the TDG Inspector incident report. **(September 2017)**
- Amendments to Part 7 – ERAP have been published in Canada Gazette I (these include tiered service levels and implementation model) **(June 2018)**
- The Canadian Pacific (CP), Canadian National (CN) and Railway Association of Canada (RAC/Operators) have signed a Memorandum of Understanding (MOU). This MOU addresses the emergency response assistance between CN, CP and RAC/Operators who transport dangerous goods, including Class 3 flammable liquids. **(September 2018)**

• **Completed Recommendations: 40/40 (100%)**