

Transportation Emergency Assistance Program (TEAP III)

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**BC's Land Based Spill Preparedness and
Response Symposium
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Vancouver**

- **CIAC[®]**
- **Responsible Care[®]**
 - **Transportation Elements**
- **Evolution of Transportation Emergency Assistance Program (TEAP[®] I, II and III)**
- **TEAP III standards and assessment development and implementation**

Who is the CIAC?

- **50+ leading companies engaged in the business of industrial chemical and resin manufacturing representing about 60% of total CDN production**
- **\$26 billion annual sales**
- **CIAC Responsible Care Partners who transport chemicals**

- **Be competitive**
- **Be responsible**
- **Be credible**

- ✓ **Ashland, Kelowna**
- ✓ **Canexus, North Vancouver**
- ✓ **CCC Group, Delta**
- ✓ **Chemtrade Logistics, Prince George**
- ✓ **ERCO, North Vancouver**
- ✓ **FMC, Prince George**
- ✓ **Methanex, Vancouver**
- ✓ **Northwest Tank Lines, Langley**
- ✓ **Ken Johnson Trucking, Langley**

- **About three-quarters of production is exported to the United States and offshore markets**
- **Need to rely upon safe and efficient transportation to receive raw materials and to ship products to customers in North America and exports to global markets**

- **Condition of membership since 1985**
- **Commitment to improved health, safety and environmental performance and to social responsibility**
- **Ethic and three Codes of Practice apply to the life cycle of chemicals**

Transportation Elements

- ✓ **Select safest mode**
- ✓ **Select safest routes**
- ✓ **Select safest carriers**
- ✓ **Immediate emergency response**
- ✓ **Security of shipments**
- ✓ **Inform and train communities along transportation corridors**

TEAP I – 24-hour national telephone system

TEAP II – On-scene mutual aid response network

**TEAP III – Program with standards for CIAC
members and on-scene service providers**



TEAP I: Starts ~ 1970

- **TEAP[®]**, a CIAC registered trade mark, stands for “Transportation Emergency Assistance Program”
 - National telephone system, 22 centers across Canada
 - Voluntary program but all members belong
- **Pre-dates:**
 - TDG Act and Regulations (1980 – 85)
 - CIAC Responsible Care (1985)
 - WHMIS (1985) and CEPA (1990)

Then...

- **Mississauga - 1979**
- **TDG Act - 1980**
- **ERAPs - 1985**

TEAP II: Starts 1983

- **Shift focus to on-scene response**
- **11 Regional Response Centres (RRC) across the country**
- **Targeted response time: < Six hours**
- **Technical Advisors, Home Coordinators**
- **National mutual aid (member company response teams)**

TEAP II: 1990's

- Saw increase of contractors offering ER services
- 1992, TEAP ER Contractor Task Force formed, now *Canadian Emergency Response Contractors' Alliance* (CERCA)
- Engage other agencies and associations such as Transport Canada, Environment Canada, Canadian Fuels Association, Canadian Fertilizer Institute, Railway Association of Canada

- **CIAC members' TDG incidents trending down**
- **ER contractors increasingly used**
 - To support RRCs response teams
 - By TEAP members instead of calling for TEAP II response
- **Increased liability concerns due to public (non-TEAP) requests for response**

...and then: 2005

- **An emergency response contractor abruptly withdrew service obligations**
 - **Multiple ERAPs jeopardized**
 - **No other service provider readily available in that region**
 - **Illustrated dependency on single source service provider can be unreliable**

C-4 Conference, February, 2006



- **CIAC-wide consultations took place**
 - **If we don't manage our transportation incidents... someone else will... Be involved voluntarily and assist in managing incident responses or be directed**
- **TEAP III options developed**
- **CIAC Board decision establishes TEAP III**

- All CIAC members belong and fund; include non-dangerous goods
- 24/7 Technical Advisors
- Link to CERCA
- Engage other trade associations
- Assess and register transportation emergency response service providers (TERSP)

TEAP III

- **Develop standards for CIAC Member Companies and their TERSPs, assessments for both, register TERSPs**
- **To maintain an identified emergency response network with the capability and capacity to safely and efficiently respond, control, contain, stabilize and mitigate the impacts of a chemical transportation incident.**

Development of TER Standard for Members

- ***CIAC Transportation Emergency Response Standard***

- **CIAC[®] Board of Directors directive**
- **CIAC Responsible Care[®], Transportation Elements**
- ***CSA Z731- 03***
- **TEAP[®] II**
- **TDG Regulations and ERAP requirements**

Resources referenced

- **NFPA 472 (2002)**
- **LPGERC, CFA LSER, others...**
- **CIAC, CACD members plans**

CIAC Transportation Emergency Response Standard

- **Applies to road and rail modes**
 - Does not include air mode or pipeline
- **Covers all materials shipped/imported by members (non-dangerous, dangerous, ERAPable, waste, hazardous waste, recyclable...) but modified with respect to incident hazard assessment**

CIAC Transportation Emergency Response Standard

- **Establish and maintain a company Transportation Emergency Response Plan (TER Plan)**
- **Assigned responsibility for managing TER Plan**
- **Assigned roles and duties**

CIAC Transportation Emergency Response Standard

- **TER Plan based on transportation risk assessment and incident hazard assessment (scenarios involving material, transportation mode, means of containment, routing, possible event and consequences, etc...)**

CIAC Transportation Emergency Response Standard

- **Technical Advisor available 24/7 to attend incident**
- **Home Coordinator and Spokesperson**
- **On-scene response capability (TER team and equipment) whether in-house, mutual aid or contracted resources**

CIAC Transportation Emergency Response Standard

- **Assessment process:**
 - **Annual self-assessment**
 - **Responsible Care verification every three years**

Development of TER Standard for On-Scene Service Providers

- ***TEAP III Transportation Emergency Response Service Provider Standard***

- **CIAC – Chemistry Industry Association of Canada**
- **CACD – Canadian Association of Chemical Distributors**
- **CN – Canadian National railway**
- **CP – Canadian Pacific railway**
- **RAC – Railway Association of Canada**

- **CERCA – Canadian Emergency Response Contractors' Alliance**
- **CHLOREP – Chlorine Institute Emergency Plan (Canadian members)**
- **CFA LSEP ECRC – Canadian Fuels Association, Land Spill Emergency Preparedness, Eastern Canada Response Corporation**
- **TDG Directorate, Transport Canada**

- **Team III Team developed “ER contractor standard” and coined new terms:**
 - **Transportation Emergency Response Service Provider (TERSP)**
 - ***TEAP III Transportation Emergency Response Service Provider Standard (TERSP Standard)***

- **Canadian Emergency Response Contractors' Alliance (CERCA) requirements but validated and updated**
- **TEAP II**
- **CFA LSEP ECRC – Canadian Fuels Association, Land Spill Emergency Preparedness, Eastern Canada Response Corporation**

Resources referenced

- **LPG Emergency Response Corporation**
- **NFPA 472 (2002)**
- **CIAC, CACD, RAC and CERCA membership input and practices**

Cover requirements for:

- Management
- Activation and Response
- Resources (personnel, equipment and materials, contact lists, third party resources and mutual aid)
- Preparedness (training, exercises, and equipment maintenance)

TEAP III TERSP Standard Key Elements



Chemistry Industry
Association of Canada
canadianchemistry.ca

- **Personnel and Training**
- **Registered location and responders**
- **Essential and Specialty Equipment**
- **Notification of changes**
- **Response and Exercise Table**
- **Location assessment**



Transportation Emergency Response Service Provider Standard

- **Minimum “must have” at the assessed location:**
 - **Manned 24-hour activation number**
 - **Two trained Team Leaders and two trained team members**
 - **Sufficient liability, property damage and/or environmental insurance (\$5 million coverage)**
 - **Canadian business address**
 - **Letter of clearance from WCB, WSIB, CCST or similar**
 - **Essential Equipment**

Transportation Emergency Response Service Provider Standard

- **Assessment process:**
 - **Capability and capacity assessment at location every two years**
 - **In off-year, annual self-report of any changes in capability and/or capacity**
 - **Three assessors per location assessment**
 - **“Editorial Board” review of report**
 - **Best Practices, Opportunities for Improvement**
 - **Posting of final report**

Phase 1: 2008-2009

- **12 CERCA member locations (volunteers) assessed**
- **Field testing of new assessment system**
- **\$5000 per location**
- **Some assessment questions or the intent needed clarification**

Phase 1: 2008-2009

- **Corrected follow-up items (30 days) will not appear in the published *TEAP III TERSP Standard Assessment* report**
- **CERCA accepts TEAP III TERSP Standard Assessments as their verification protocol; hosts posting of reports**
- **Feedback from Assessors and TERSPs used to improve for the 2010-2011 cycle.**

Phase 2: 2010-2011

- 14 CERCA member locations assessed
- Implement upgraded *TEAP III TERSP Standard Assessment* form
- Commence submission of annual updates (self-reports)
- *TEAP III TERSP Standard Assessment Management Process* document completed

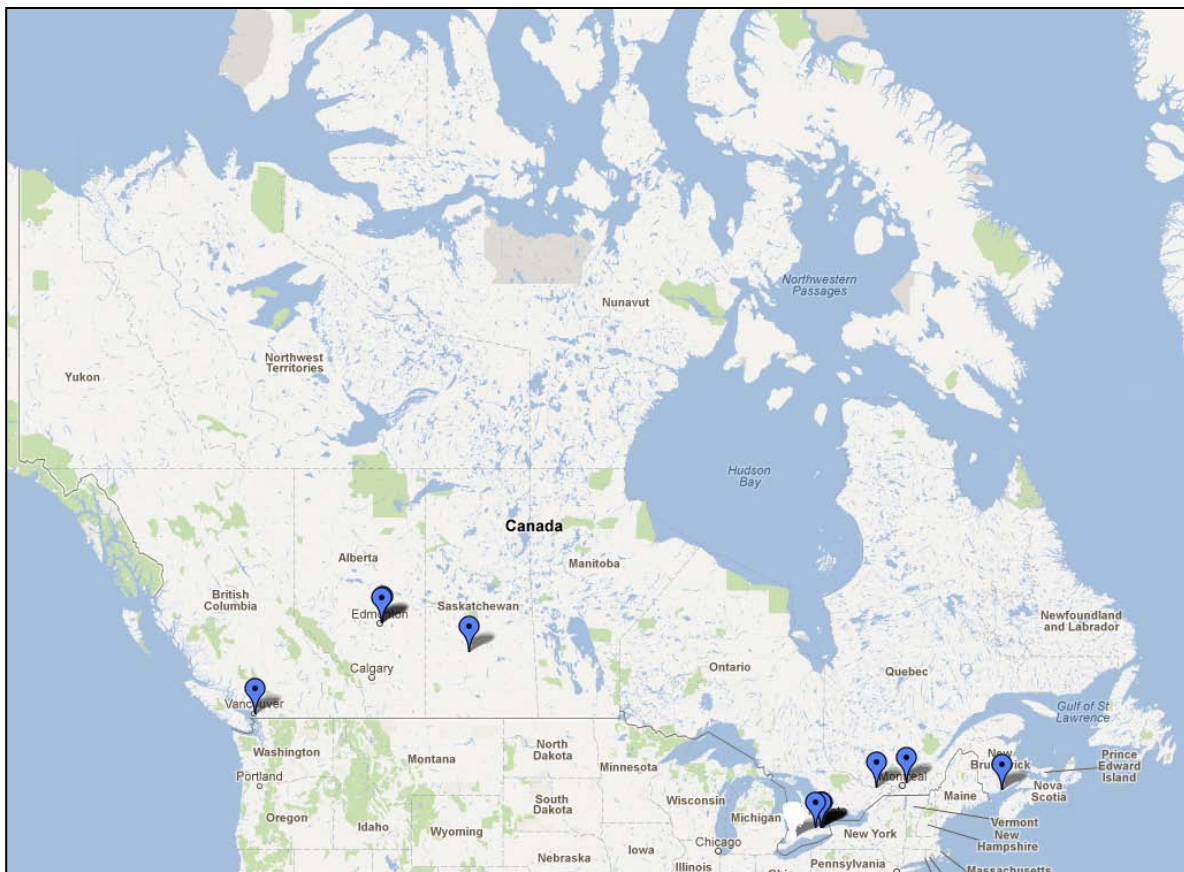
Phase 2: 2010-2011

- **Feedback from Assessors and TERSPs used to improve for the 2012-2013 cycle**

Phase 3: 2012-2013

- **16 CERCA member locations will be assessed**
- **Strengthen assessment management process**
- **Focus on training and debriefing, gap analysis and corrective actions**
- **CIAC website postings of all TEAP III related documentation (bilingual) and reports**

Where are the TEAP III Registered TERSPs?



What TEAP III TERSP Standard Assessment does...

- Assures that the registered TERSP location meets the *TEAP III TERSP Standard*
- Checks that a management system is in place
- Checks on TERSP training, equipment and maintenance records
- Registers by name all fully trained and current TERSP personnel

What TEAP III TERSP Standard Assessment does not...

- **Assess a TERSP as competent for ALL materials**
- **Assess sub-contracted TERSPs**
- **Assess against geographic terrain, weather conditions, modes**
- **Establish a response fee structure**

WARNING!!

- **Clients must still complete your own assessment of your TERSP and their sub-contractors for your specific material**
 - **TEAP III assesses the infrastructure of the TERSP location**
 - **80-90% of training is common for all dangerous goods incidents**

What is the end result?

- If a transportation incident involving a TEAP III member – confidence in a quick, professional response
- Registry of assessed Transportation Emergency Response Service Providers
- Improved TER capability and capacity across the country

Issues To Be Addressed

- **There are gaps in TERSP coverage, how to close?**
- **There could be gaps in CIAC members TEAP III compliance that need to be addressed by CIAC collectively**

**For industry (shippers, carriers) and governments
(municipal, provincial, territorial and federal)
the challenge is:**

**How to sustain a competent private sector
transportation emergency response
capability when we strive to have zero
incidents?**

Want to Know or See More?

www.canadianchemistry.ca/TransportationBRSafety/TEAPIII.aspx

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