

The Canadian Chemical Producers' Association



Responsible Care®

and

Emergency Preparedness
in the Chemical Industry

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Fielding Chemical Technologies Inc.

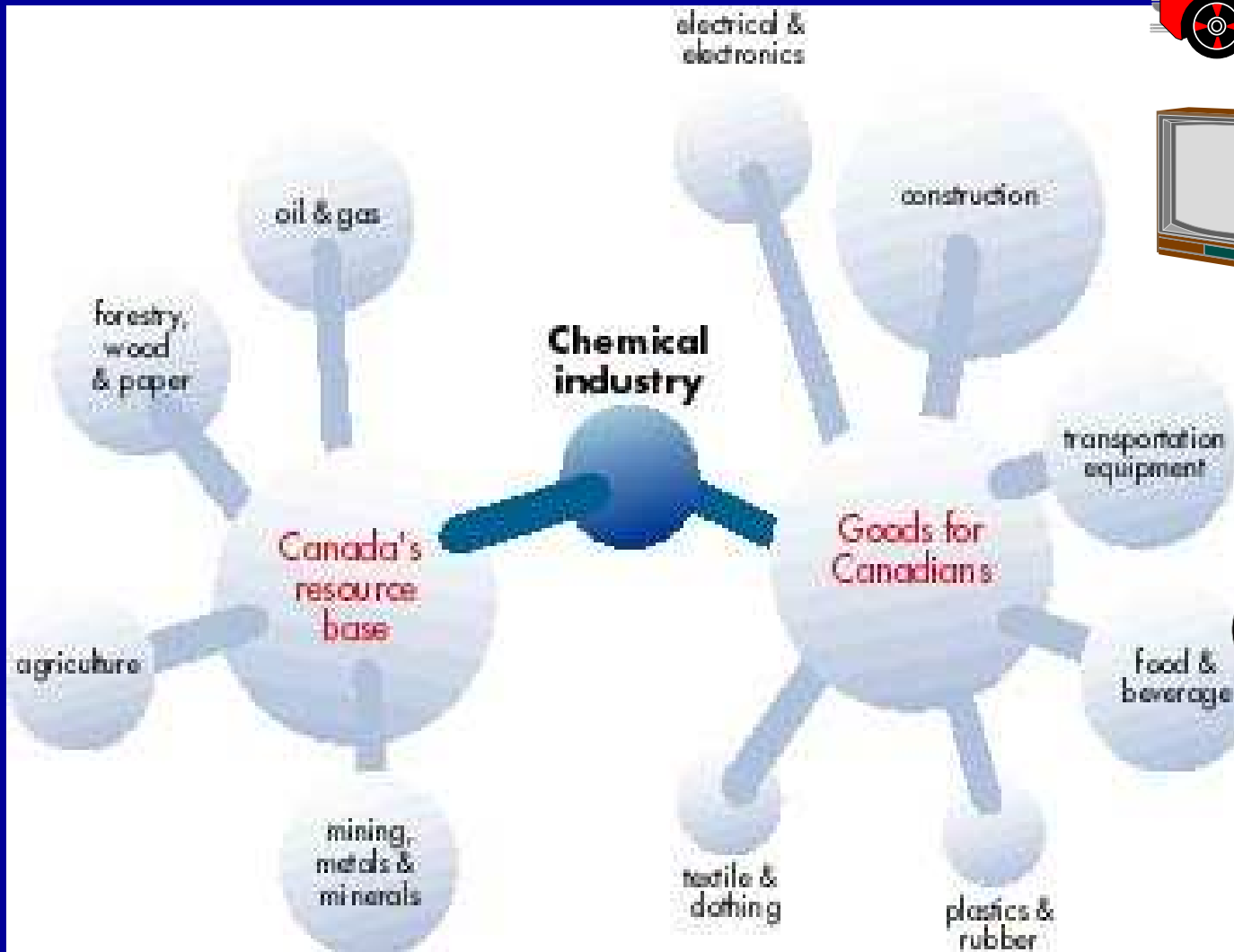
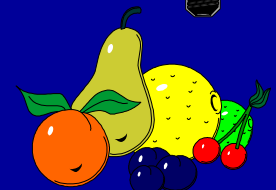
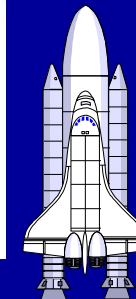
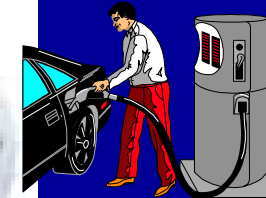
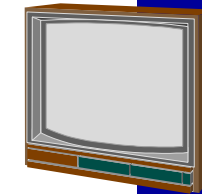
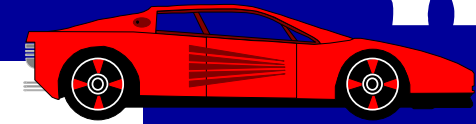
The Canadian Chemical Producers' Association



Who we are ...

- 70+ companies that manage chemicals
- make 90% of Canada's industrial chemicals
- also, companies who move, distribute, use and recycle chemicals

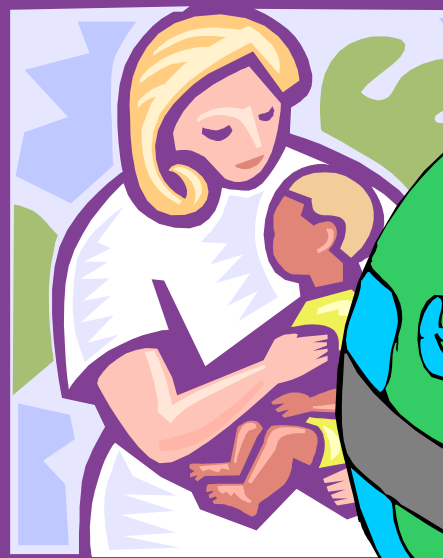
Who we are: A key link in the economy



Responsible Care® Companies and Partners

Akzo Nobel	Delmar	Kronos	Petresa
Apotex	Domtar - Windsor	MEGlobal	Pétromont
Arkema	Dow	Marcus Trucking	PPG
Ashland	Dow AgroScience	Marsulex	Procor
BASF	E.I. du Dupont	Methanex	Reagens
Blachford	Eka	Nacan	Recochem
Canexus	ERCO Worldwide	Nalco	Rhodia
Chemtrade Logist.	Ethyl	Nat'l Silicates	Rohm & Haas
Chemtura	Fielding	Nexen Energy	RohMax
Ciba Spec. Chem.	FMC	Nexen Yemen Pet.	SI Group Canada
CN Rail	GATX Rail	NorFalco	Shell Chemicals
Cognis	Harmac Transp.	Northwest Tank L.	Solutia
CP Rail	Honeywell	Nova	Stepan
CyPlus	Imperial Oil Chem.	OMG Belleville	St-Jean Photoch.
Cytec	Ineos Canada	PDI Transport	Sulco/CCC
Degussa – Brampton	JemPak	P&G	Torcan
Degussa - Gibbons	Jungbunzlauer	Pioneer	VFT

Why Responsible Care?



Manager at this factory was having problems his colleagues towards ISO14001."

What is Responsible Care?



1. a new ethic (*culture or philosophy*)
2. codes
3. management system
4. performance improvement
5. accountability – critics, verification
6. sharing

The Responsible Care® Ethic

We are committed to do the right thing and be seen to do the right thing.

We are guided towards environmental, societal, and economic sustainability by the following principles:

- **We are stewards of our products and services during their life cycles in order to protect people and the environment.**
- **We are accountable to the public, who have the right to understand the risks and benefits of what we do and to have their input heard.**
- **We respect all people.**
- **We work together to improve continuously.**
- **We work for effective laws and standards, and will meet or exceed them in letter and spirit**
- **We inspire others to commit themselves to the principles of Responsible Care**

Attributes of Other Ethic

- ✗ meet the law
- ✗ keep a low profile
- ✗ product liability - customers' problem
- ✗ downplay public concerns
- ✗ chemicals innocent 'til proven guilty
- ✗ hazard information to who needs it
- ✗ resist new laws
- ✗ every company for themselves
- ✗ ignore or fight activists
- ✗ bottom line & laws guide decisions

Attributes of Responsible Care Ethic

- ✓ do right thing (exceed laws)
- ✓ be seen to do right (or wrong) thing
- ✓ life cycle stewardship
- ✓ seek & address public concerns
- ✓ precautionary approach
- ✓ public, employees right to know all
- ✓ lead in public policy process
- ✓ mutual aid & peer pressure
- ✓ seek activists' input
- ✓ integrate all above into decisions

Responsible Care® Countries (52)

Argentina

Australia

Austria

Belgium

Brazil

Bulgaria

Canada (1st in 1985)

Czech Republic

Chile

Colombia

Denmark

Ecuador

Estonia

Finland

France

Germany

Greece

Hong Kong

Hungary

India

Indonesia

Ireland

Israel

Italy

Japan

Korea

Latvia

Lithuania

Malaysia

Mexico

Morocco

Netherlands

New Zealand

Norway

Philippines

Peru

Poland

Portugal

Singapore

Slovak Republic

Slovenia

South Africa

Spain

Sweden

Switzerland

Taiwan

Thailand

Turkey

United Kingdom

United States

Uruguay

Venezuela

The CCPA Responsible Care Codes



- **Community Awareness & Emergency Response (CAER)**
- Research & Development
- Manufacturing
- **Transportation**
- Distribution (*Marketing & Purchasing*)
- Waste Management

Responsible Care Ethic and Emergency Preparedness



- What could go wrong?
- How could this affect others?
- How might these potential effects be perceived?
- What actions are required to prevent or correct?

CAER Code



- Identify risks and worst case scenarios
- Emergency plans – tested with community
- Understand community concerns
- Provide information to community
 - what we do/how we do it
 - chronic eg. emissions, wastes
 - acute eg. spills, fires, worst case scenarios
- Promote dialogue

CAER – In Action



- Oakville/Mississauga CAER Group
 - 14 companies
 - 3 Emergency Response contractors
 - Fire Service – Mississauga and Oakville
 - Peel Police
 - St. John Ambulance
 - Canadian Red Cross

*...Working together to improve Community Awareness
and Emergency Preparedness*

CAER – In Action



- ER plans developed based on risk
- Routine review and practice of ER plans
- Incorporating company risks into the City emergency plan
- Testing response plans with the Cities
- Community events
- Community Advisory Panels (CAP)



Transportation Code

- select safest mode
- select safest routes
- select safest carriers
- security of shipments
- **TransCAER**
 - immediate emergency response
 - inform & train communities

TransCAER Objectives



- Reduction in transportation incidents
- Effective emergency response to transportation incidents
- Educate communities regarding transportation of chemicals

TransCAER Program

Emergency Response



ER plans include:

- Means of dealing with chemical hazards, Material Safety Data Sheets
- Technical Advisors, specialized equipment, trained responders
- Cooperation with government and other agencies at the incident scene
- Assistance for dislocated persons

TransCAER Program

Additional Resources



To assist in chemical incidents:

- **CANUTEC**, Canadian Transport Emergency Centre, an agency of Transport Canada, call collect (613) 996-6666
- **TEAP**, Transportation Emergency Assistance Plan (CCPA)
- **CHLOREP**, Chlorine Emergency Plan

TransCAER Program

Public Awareness



Preparedness and other resources:

- CANUTEC for non-emergency chemical information (613) 992-4624
- Safety Training Tank Car CCPX 911
- Open houses and public tours
- Partners in TransCAER presentations

Collective initiatives (transport-related)...



- Transportation Incident Measurement System (TIMS)
 - identify common problems, root causes, collective action
- motor carrier evaluations
- waste contractor evaluations
- community emergency tests

Transportation Community Awareness and Emergency Response (TransCAER®)

- Safety Train
- first responder training events

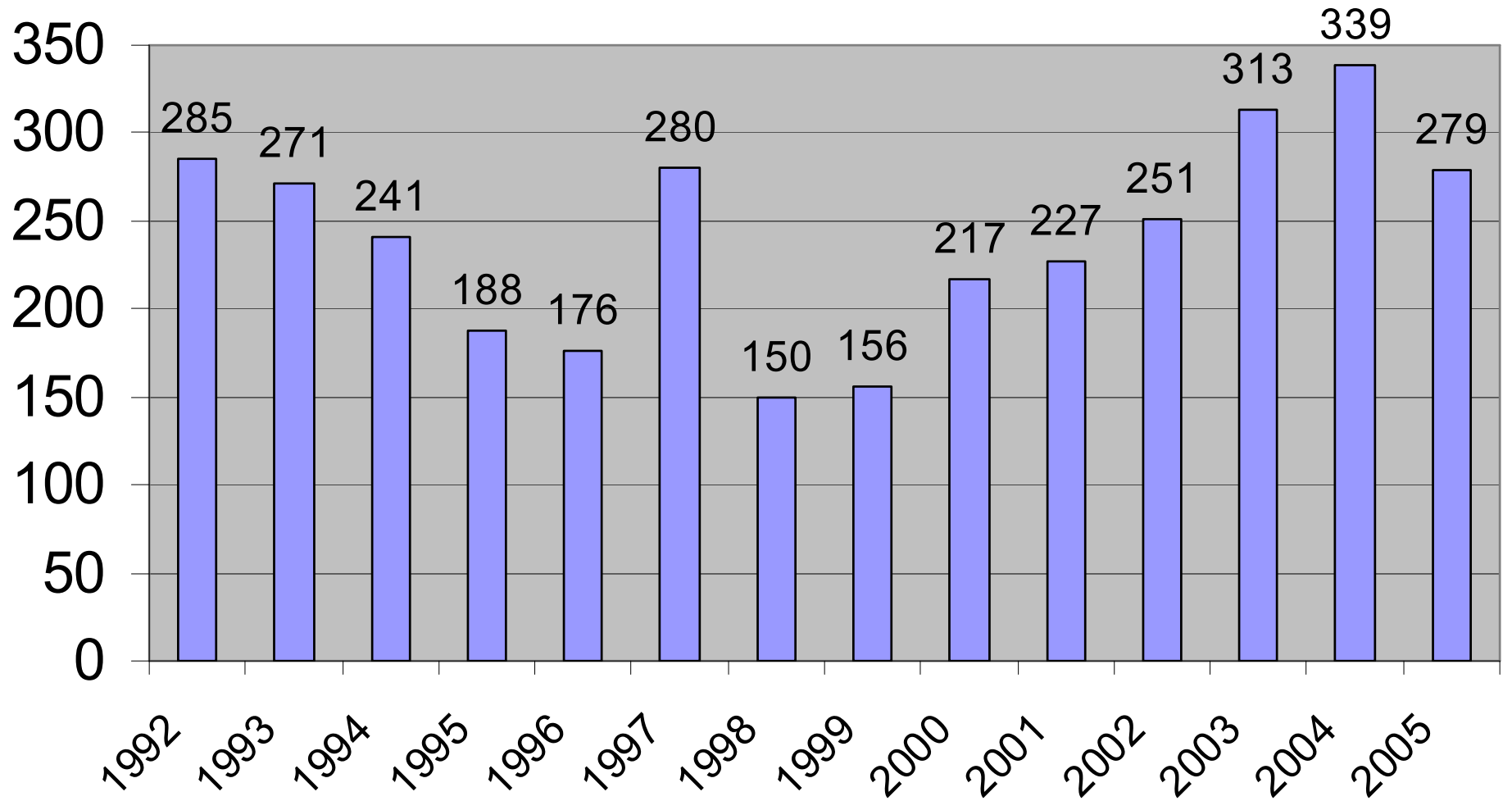
TEAP III – now mandatory, ensure effective transportation emergency response

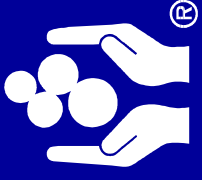


But does this nice-sounding
stuff really change anything?

What about performance?

Total Reported Transportation Incidents (all modes - all severities)





DOING THE RIGHT THING?

Responsible Care verifiers will find out

Verification/Re-verification



- mandatory every 3-years
- confirms ethic, codes, performance
- team of 2 industry experts, an activist, community representative
- 2-3 days to interview management, employees, neighbours, customers, etc.
- public report



The New Ethic

“Do the right thing and be
seen to do the right thing”