Preparedness & Response
CEPA – 200
Environmental Emergency Regulations Workshop

Sponsored by
The Chemical Institute of Canada
The Canadian Society for Chemical Engineering

Presented by
William F. MacKay
MacKay Emergency Management Consulting Inc.
OVERVIEW

- Introduction
- CEPA 200 - Preparedness
- CEPA 200 - Response
- Emergency Management Regulations, Standards and Guidelines
- Preparedness Resources
- Response Resources
- Discussion - CEPA 200 Preparedness and Response
- Conclusion – Outstanding Questions
CEPA 200 - Preparedness

- Prepare and implement plans to respond quickly and effectively to natural and human caused incidents including terrorist threats for . . . .
- Emergency management programs should meet international standards and best practices
- Plans requirements flexible vs. prescriptive but must be comprehensive and include key elements
Plan location - Plans must be
- Held at the place for which it has been prepared
- Available for those individuals who are to carry out the plan
- Available for inspection by Enforcement Officers
- Supporting documentation may be held separately at other (named) locations
CEPA 200 - Preparedness

Plans should contain

– Requirements for notices / declarations to ensure ongoing compliance
  - Identification of substance quantity & location
  - Declaration of preparation
  - Declaration of implementation
  - Amended notices

– Procedures for compliance related records
  - Training, exercising, plan assessment & upgrades
  - Record of short term storage < 72 hours
CEPA 200 - Preparedness

- Plans must consider as per Appendix 3
  - Plans must be site specific, but company wide plans can meet this requirement
  - Prevention of, \textit{preparedness} for, \textit{response} to and recovery from an environmental emergency
  - Properties and characteristics of the substance
  - Maximum expected quantity
  - Manufacturing / processing activities
  - The characteristics of the place and the surrounding area
Appendix 3 considerations – continued

- The potential (worst case & alternate) scenarios
- Potential consequences to human health and the environment
- Responder roles and responsibilities
- Response procedures
- Contact lists for personnel and equipment
- Responder training
- A means of ensuring the plan is current comprehensive and effective (testing updating)
- Local involvement in developing the plan
- Availability of the plan to local authorities
CEPA 200 - Response

Remedial measures contained in Section 201 of the Act require the person who has charge management or control of the substance before the emergency or who causes or contributes to the emergency to, as soon as possible in the circumstances:

- Notify an enforcement officer or other persons designated pursuant to the regulations
- Provide a written report on the environmental emergency to the enforcement officer
CEPA 200 - Response

- Take all reasonable measures consistent with the protection of the environment and public safety
  - To repair, reduce or mitigate any negative effects on the environment or human life or health...

- To make a reasonable effort to notify any member of the public who may be adversely affected by the environmental emergency
Emergency Management Regulations Standards and Guidelines

- Emergency Management Ontario
- NFPA 1600 Standard on Disaster / Emergency Management and Business Continuity Programs
- CSA Z-731 Emergency Preparedness
- NFPA 472 Professional Competence of Responders to Hazardous Materials Incidents
- Emergency Management Accreditation Program EMAP Standard
- CAFC Partnerships Toward Safer Communities Program
Emergency Management Act & Regulations (ON)

- Emergency Management Act RSO 1990
- Emergency Management Regulations (pending)
- Emergency Management Doctrine and Standards
- Incident Management that meets NFPA 1561 Standard on Emergency Services Incident Management Systems (NIIMS – ICS)
NFPA 1600

- Most comprehensive widely accepted standard covering:
  - Disaster / Emergency Management Programs
  - Business Continuity Programs
Contents

Chapter 1  Introduction ........................................ 1600– 4
  1-1  Scope .................................................. 1600– 4
  1-2  Purpose ............................................... 1600– 4
  1-3  Definitions ........................................... 1600– 4

Chapter 2  Program Management ................................ 1600– 4
  2-1  Policy .................................................. 1600– 4
  2-2  Program Coordinator .................................. 1600– 4
  2-3  Program Committee ................................... 1600– 4
  2-4  Program Assessment ................................... 1600– 4

Chapter 3  Program Elements ................................... 1600– 5
  3-1  General .................................................. 1600– 5
  3-2  Laws and Authorities .................................. 1600– 5
  3-3  Hazard Identification and Risk Assessment .......... 1600– 5
  3-4  Hazard Mitigation ...................................... 1600– 5
  3-5  Resource Management .................................. 1600– 5
  3-6  Planning ................................................ 1600– 5
  3-7  Direction, Control, and Coordination ............... 1600– 6
  3-8  Communications and Warning ......................... 1600– 6
  3-9  Operations and Procedures .......................... 1600– 6
  3-10 Logistics and Facilities .............................. 1600– 6
  3-11 Training ............................................... 1600– 6
  3-12 Exercises, Evaluations, and Corrective Actions .... 1600– 6
  3-13 Crisis Communications, Public Education, and Information 1600– 6
  3-14 Finance and Administration ......................... 1600– 6

Appendix A  Explanatory Material ............................. 1600– 6

Appendix B  Disaster/Emergency Management and Related Organizations ........................................ 1600–11

Appendix C  Additional Resources .............................. 1600–13

Index ............................................................ 1600–18
CSA Z-731

Canadian Emergency Preparedness Standard
Issued - 2003
NFPA 472 - Training

- Competencies for
  - Responders
  - Incident Commanders
  - Specialist employees

- Analyzing the incident
- Planning the response
- Implementing the planned response
- Evaluating progress
- Terminating the incident
EMAP

- NFPA 1600 based audit protocols and assessment program
- Currently used only in the United States
- Informal discussion between EMAP and interested Canadian stakeholders for use in Canada.
CAFC - Partnerships Toward Safer Communities Program

- Program to reduce frequency, severity and consequence of natural and human caused emergency Incidents
- Operated by CAFC and supported by partners
- CEPA 200 Compliance Project
- Hazmat Recommendations Project
CAFC - Partnerships Toward Safer Communities Program

- PTSC facilitates community level public / private sector collaboration for emergency management
- PTSC provides a unique national forum for collaboration on emergency management issues (PTSC Working Group)
- PTSC web site provides publications, resources and links for community emergency management program development
- PTSC projects assist stakeholders / partners (Environment Canada, Public Safety and Emergency Preparedness Canada, Health Canada, Canadian Petroleum Products Institute, Canadian Fertilizer Institute, Community Alert Network, Canadian Chemical Producers Association)
Preparedness Resources

Partnerships Toward Safer Communities – CEPA 200 Project web site
http://ptsc-program.org/cepa_200.htm

Emergency management personnel
- Community Emergency Management Coordinator
- First Responders (Fire, Police, Ambulance)
- Contract support (plan development, training, exercising, assessment)
Response Resources

- Canadian Emergency Response Contractors Alliance
  - Contract Responders
  - Contractor assessment program
  - Assistance in selecting and evaluating emergency response contractors
Response Resources

- **Emergency notification service** (phone, cell, pager, multi-lingual, TDD – hearing impaired)
  - Responder mobilization
  - Public officials and media notification
  - Notification of public who may be adversely affected by an emergency
  - Notification confirmation

- [www.public-alert.net](http://www.public-alert.net)
  - Canadian Public Alerting Information

---

**Community Alert Network**

800-992-2331

[www.can-intl.com](http://www.can-intl.com)
Notification Expectations

- **Ontario Emergency Management Act**
  - Educate public on risks to public safety
  - Specify procedures for safety or evacuation of persons in an emergency area

- **NFPA 1600 – Communication & Warning**
  - Alerting systems & procedures established
  - Develop and maintain capability to alert officials and emergency response personnel
  - System capable of issuing a warning of an actual or impending emergency to those potentially affected
  - Systems and procedures periodically tested
Discussion - CEPA 200
Preparedness and Response

- Participant introductions
  - Name / Position / Organization
- CEPA 200 compliance status
- Questions to clarify CEPA preparedness & response compliance requirements – What?
- Questions on how to most effectively and efficiently meet known preparedness and response requirements – How?
Conclusion & Outstanding Questions

Identify issues, if any, about CEPA 200 preparedness and response, on which additional information is requested.
Links and Contacts

Environment Canada
- General - [www.ec.gc.ca/ee-ue](http://www.ec.gc.ca/ee-ue)
- Registry – [www.ec.gc.ca/ceparegistry](http://www.ec.gc.ca/ceparegistry)
- E-mail – cepae2@ec.gc.ca
- Phone – 819-953-6674
- Phone – Environment Canada Regional Offices

Partnerships Toward Safer Communities
- E-mail – [bill.mackay@em-consulting.com](mailto:bill.mackay@em-consulting.com)
- Phone – 416-428-2666