



EMERGENCY PREPAREDNESS COMMITTEE *for* CIVIL TRANSPORTATION

National Energy  
Board



Office national  
de l'énergie

Canada

***Presentation to Emergency Preparedness Committee for  
Civil Transportation (EPCCT)***

*Lessons learned on Pipeline and Rail Oil  
Spills panel discussion*

28-29 October 2015



U.S. Department of Transportation



Transport  
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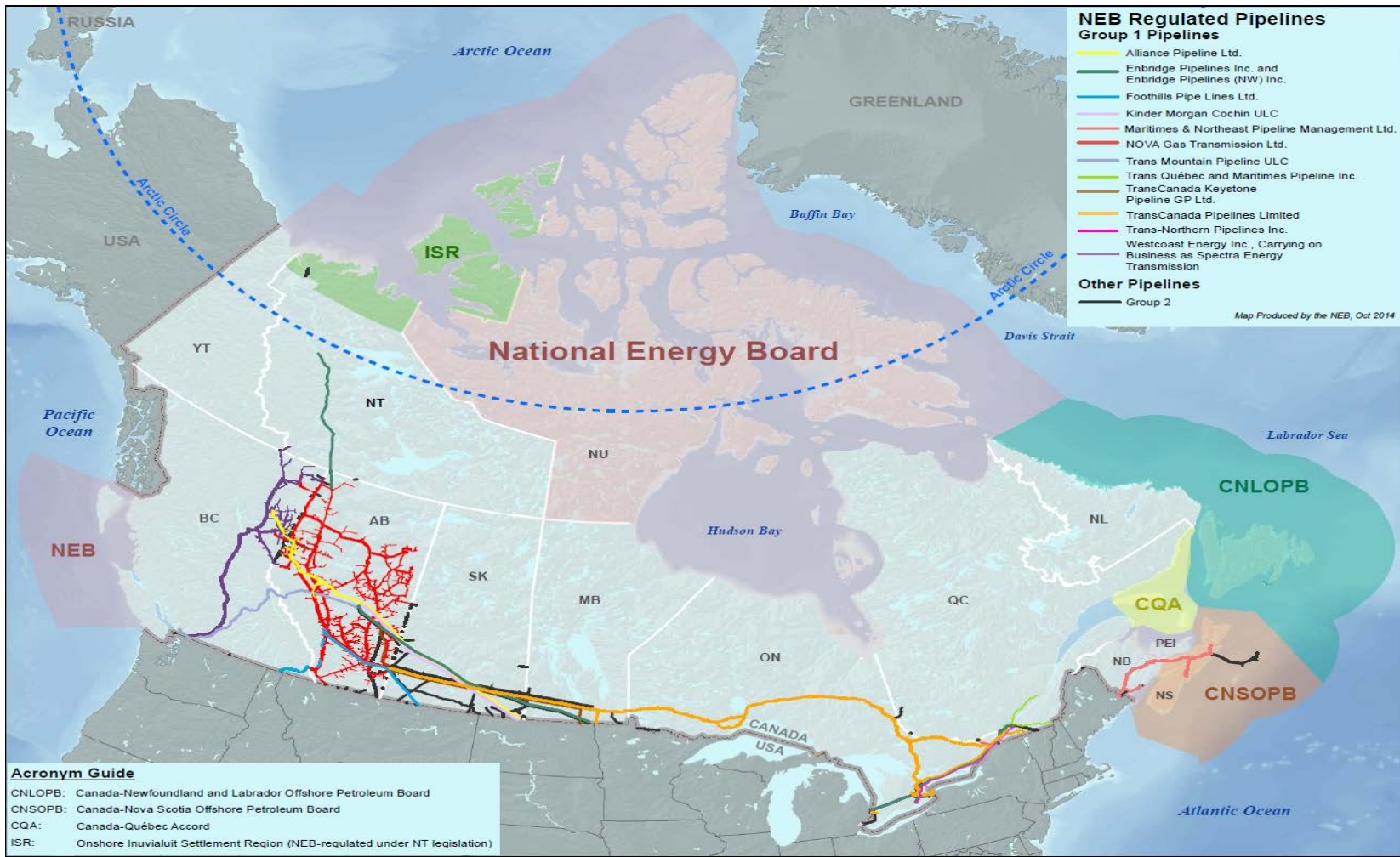
# EMERGENCY PREPAREDNESS COMMITTEE *for* CIVIL TRANSPORTATION

## Who We Are





# EMERGENCY PREPAREDNESS COMMITTEE *for* CIVIL TRANSPORTATION





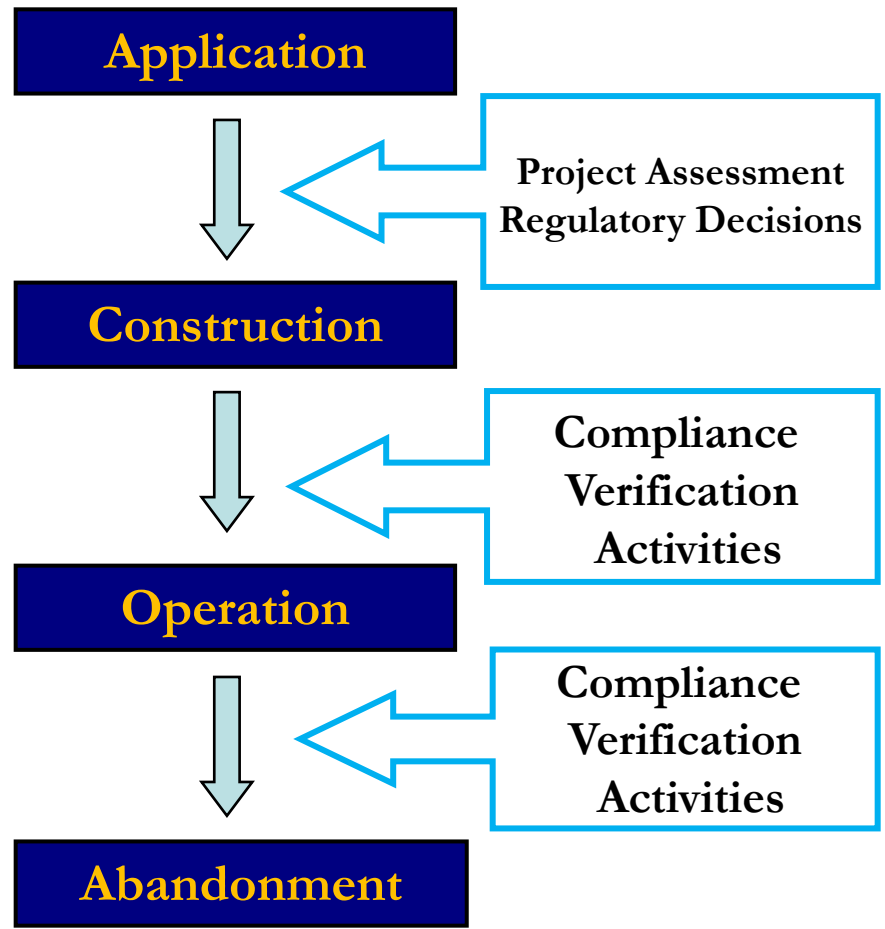
# Facts and Figures





# EMERGENCY PREPAREDNESS COMMITTEE *for* CIVIL TRANSPORTATION

- Strong regulations and technical standards
- Application decisions in public interest
- Compliance monitoring
- Enforcement
- Abandonment Hearings
- Ongoing oversight



# Emergency Management Requirements and Expectations of Companies

We hold our regulated companies responsible for “anticipating, preventing, managing, and mitigating incidents of any size or duration.”

- *Onshore Pipeline Regulations (OPR)*
  - *Emergency Management Program*
  - *Management System Approach*
- NEB OPR Guidance Notes establish expectations
- CSA Z662



# Emergency Management Program Requirements

A company must:

- Identify and analyze all hazards
- Evaluate and manage risks associated with all hazards
- Maintain an up-to-date emergency procedures manual
- Liaise with agencies that may be involved in an emergency situation during development and revisions to emergency procedures manual
- Inform those who may be associated with an emergency response activity on the practices/procedures to follow



## Emergency Management Program Requirements (contd.)

- Have a continuing education program for first responders, other agencies and the public residing adjacent to the pipeline
- Have procedures for control/shutdown of pipeline
- Conduct a needs assessment of response equipment
- Train and instruct employees and contractors on emergency procedures and equipment
- Conduct exercises to demonstrate response capability
- And...management system must apply







# Emergency Management Compliance Activities

- Emergency Procedures Manual Review
- Critical Information Check
- Exercise evaluation
- Audit
- Compliance Meetings





# NEB's Role During Emergencies

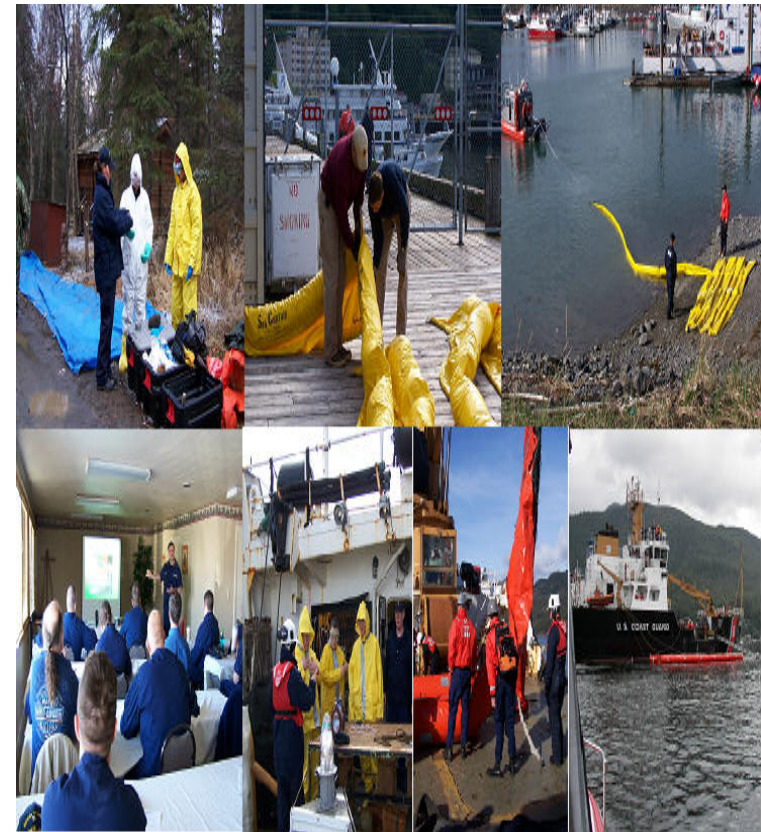
- Priorities
- Lead federal regulatory agency
- Monitor and assess company actions (compel if necessary)
- Participate in Unified Command
- Integrate in Incident Command Structure





# NEB Emergency Response Capabilities

- Emergency Response Procedures
- Field Operations Guide
- Emergency Operations Centre (EOC) in Calgary
- Qualified response personnel for EOC and Incident Management Team
- Incident Command System
- Training and Exercises



## Lessons Learned – Safety Perspective

- Safety culture impacts company preparedness and response
- Availability of safe and appropriate oilfield spill response equipment
- Adequate air monitoring, including for benzene, is necessary to maintain a safe response effort
- Managing fatigue (both in the field and in the ICP) is key during long incidents, as are effective procedures for changeover of staff



## Lessons Learned – Emergency Management Perspective

- Regulator (and Company) needs to get big quick at the start of an incident
- Incident management structure is critical
- Effective and timely communication is essential
- Proactive exercises and planning, in all settings, are key to improve the EM system
- Regulators need to plan for incidents in adverse conditions/environments



## Lessons Learned – Emergency Management Perspective (contd.)

- Expect and plan for more landowner involvement and media involvement in an incident
- Exercises need to become more realistic and involve more rural emergency responders
- Regulators (at all levels) need to spend more time practicing their roles together to improve jurisdictional alignment and joint oversight of incidents



## Lessons Learned – Environmental Protection Perspective

- Environmental Unit in ICS structure is an effective place for regulatory oversight
- Engage stakeholders early for SCAT and remediation endpoint agreement, and remediation plan development
- Include sensitivity mapping and receptor identification in Emergency Response Plans



# Improvement Initiatives

- Implementing the *Energy Safety and Security Act* and the *Pipeline Safety Act*
- Best Available Technologies
- Electronic Emergency Procedures Manuals





## Improvement Initiatives (contd.)

- Emergency Management Consultation Project Considerations
  - Requiring Emergency Procedures Manuals be publicly available
  - Clarifying NEB emergency information requirements at various project stages
  - Adopting CSA Z246.2
- Continue meaningful and sustained outreach and engagement with First Responders, municipalities and other stakeholders
  - Emergency Management Staff in NEB Regional Offices (Vancouver & Montreal)
- Increased focus on company liaison and continuing education programs



## Improvement Initiatives (contd.)

- Public Access to Information
  - Better emergency management information on website
  - Incident data map
  - Compliance and enforcement activities and actions
- Safety Culture Framework
  - An effective management system requires a positive safety culture
  - Safety culture impacts company preparedness and response



# Regulated Company Actions

- Emergency Preparedness
  - Established Mutual Emergency Assistance Agreement
  - Adoption of Incident Command System - interoperability
  - CEPA Led a Major Industry Emergency Response Exercise
  - Response Time Guidelines developed
  - Supports the CSA Z246.2
  - Convene learning / study key science, best practices & experiences
- Advance transparency and trust
  - 2015 Industry Performance Report
  - Emergency Response Plan Task Force (disclosure)





# Questions & Discussion

