

# Urban Drilling Panel Presentation

## City of Lethbridge Fire and Emergency Services

February 24, 2013



# Overview

---

- Major Emergency Response Planning
- Specific Incident Response
- Emergency Planning Zones
- Coordination of Response
- Transportation of Dangerous Goods



# Major Emergency Planning

---

- Required to plan as part of Municipal Government Act regulations
- Specific risk assessments for natural and manmade events.
- Covers everything from weather, fires, flood and dangerous goods.
- Managed through cooperation of internal resources, key partnerships, and allied agencies.
- Establishes a response plan and recovery plan.



# Specific Incident Response

---

- Primary focus is life safety
- Stabilize risk
- Create response plans
  - Evacuation
  - Health, safety & security
  - Support citizens during event
- Develop recovery plan
  - Begin returning our community to normal

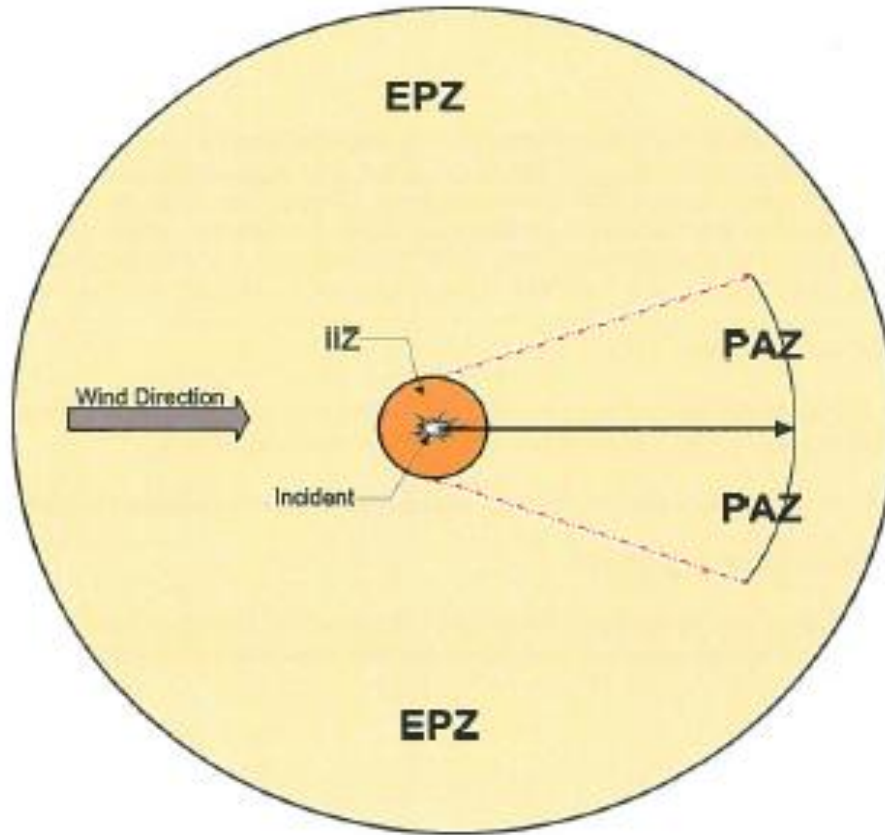


# Emergency Planning Zones EPZ

- Zone (Area) Defined by level of risk from a well site
- Responsibility of Operator to notify City to any occurrence.
- Evacuation Plans in EPZ responsibility of Operator
  - Notification to residents in the EPZ by Operator
  - City would activate Alberta Emergency Alert
- Cooperative incident simulation would be conducted in developed areas.
- Operator to notify City emergency planning before beginning sour gas operations.



# Emergency Planning Zones EPZ



Initial Isolation Zone  
IIZ

Protective Action Zone  
PAZ



# Coordination of Response

---

- Operator provides notice incident to City
- Operator to initiate evacuation in EPZ
- Municipal Emergency Plan is Activated
- Site control in the EPZ is Operators
  - Spill or Release
- Air Monitoring Units in place depending on level of risk.
- Incident Command falls under the responsibility of the City.



# Transportation of Dangerous Goods

---

- Bylaw to permit transportation of dangerous goods off route.
- Covers all categories of dangerous goods
- Transport companies are required to obtain a permit for travel inside the city.
- Limits on size and time of day of carriers
- Shortest possible routes with consideration for risk exposure.





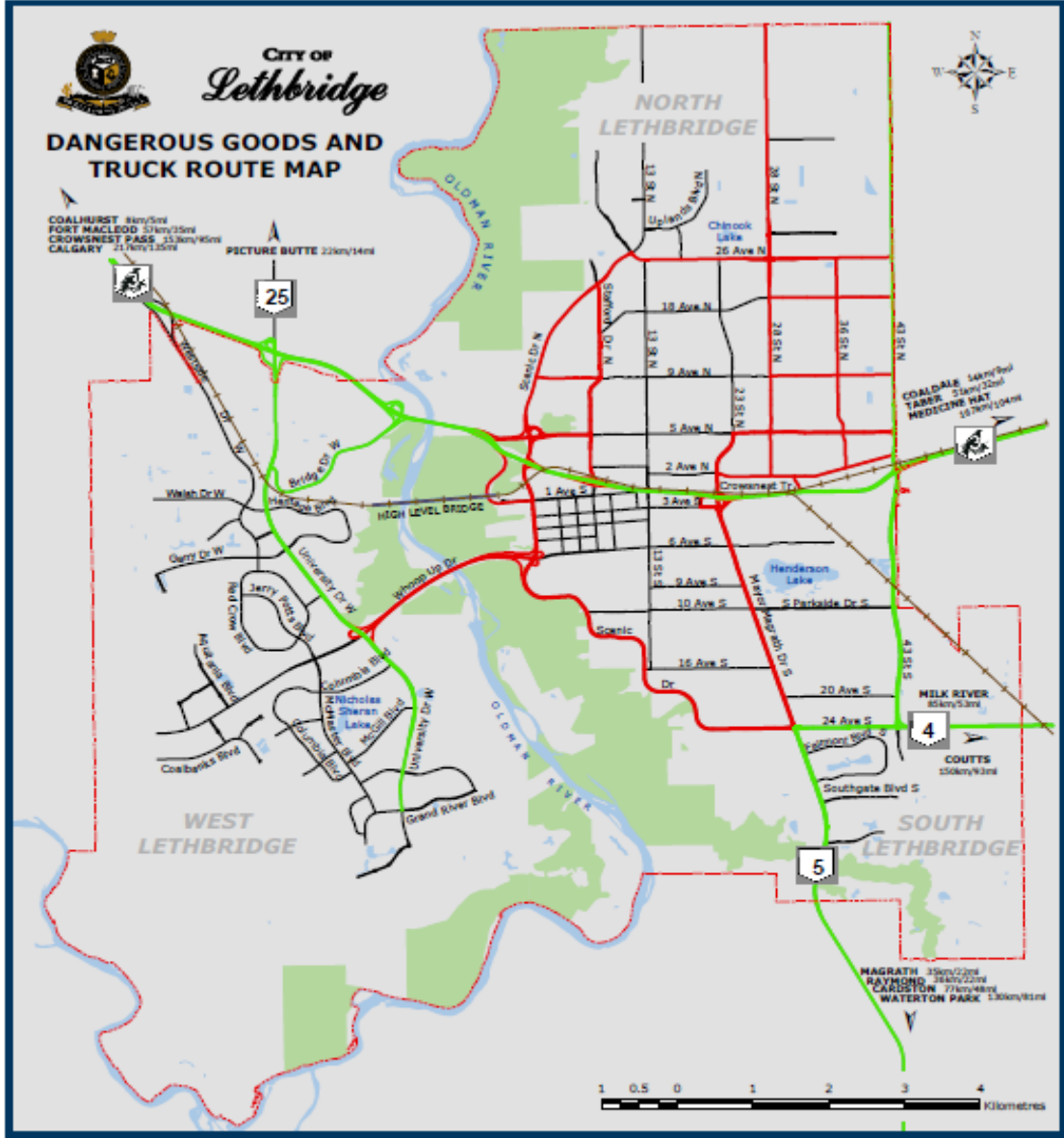


# CITY OF Lethbridge

## DANGEROUS GOODS AND TRUCK ROUTE MAP

COALHURST 8km/5mi  
 FORT MACLEOD 57km/35mi  
 CROWNSNEST PASS 23km/14mi  
 CALGARY 21km/13mi

PICTURE BUTTE 22km/14mi



### Legend

- |                   |               |                       |
|-------------------|---------------|-----------------------|
| High Level Bridge | City Boundary | <b>Routes</b>         |
| Road              | Lake or River | Dangerous Goods Route |
| Railway           | Parkland      | Truck Route           |

### Notes

This map is illustrative only. The City of Lethbridge offers this information in good faith, but makes no warranty or representation, expressed or implied, with regard to the correctness, accuracy and/or reliability of this data.

All rights reserved. No part of this map may be reproduced in any form or by any means without written consent from the City of Lethbridge.

©2013, City of Lethbridge, All Canada Published April, 2013

---

# Questions

Thank You  
Fire Chief  
Brian Cornforth



# Resources

---

- Alberta Environment Spill Response Equipment located in Taber
- City of Lethbridge Spill response trailer for hydrocarbon liquid release
- Petroleum Producers Spill Cooperative Trailer
- Lethbridge Fire Department Hazardous Materials Response team
  - Safer Plume dispersion software
  - Weather Pak meteorological station
  - Remote Air Monitoring Equipment

