Local Emergency Planning Committee (LEPC)

Tuesday, July 17, 2018
2:00pm to 4:00pm

Council District 7
Introduction and LEPC Business Meeting
Agenda

Welcome and Introductions
• Ryan Broughton, LEPC Chairperson
• Gary Freeman, LEPC Vice-Chairperson
• Participant Introductions

Business Meeting
• Membership Process
• New Members

LEPC Overview
Guest Speaker: Denver Fire Hazardous Materials Response Team

News and updates

Overview of Council District Seven’s Risk

The Next LEPC Meeting
LEPC Membership

1. Attend two LEPC meetings and indicate that you wish to be a member on the LEPC sign in sheet.
2. Be voted in at the next LEPC meeting.
3. Continue to participate and attend meetings. Please send an alternate representative if you cannot attend.
4. To maintain membership, don’t miss more than four meetings in a row without sending an alternate
New LEPC Members

- Kelly Bruning
LEPC History and Purpose

- Mandated under the U.S. EPA’s Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986
- Collaboration between industry, government, and community
- Focus on hazardous materials and chemical safety
- Open, non-regulatory forum for discussion, information sharing, and planning
- Receive and retain Tier II reports
Guest Speaker:
Denver Fire Department Hazardous Materials Response Team
News and Updates
Tier II Filing Update

- 274 Tier II reports received by to date
- Section 311/302 reports are continuously submitted
CSB Facility Startup and Shutdown Guidance

• Half of process safety incidents occur during startup and shutdown.
• Article includes three case studies and recommendations on how to increase facility safety during facility startup and shutdown.
Ammonia Safety Day

- Ammonia Safety Day: Aurora, CO on October 10.
- Free 8-hour conference-style presentation designed for industry, firefighters and regulators addressing prevention of and safe response to ammonia emergencies.
- For more information and registration: https://ammonia-safety.com/safety-days or contact asti@ammonia-safety.com or 831-761-2935.
Mountain Zone Pipeline and Hazardous Materials Training Conference

- Conference includes hands on classes and lectures intended for Police, Fire, EMS personnel, first responders, pipeline personnel, and industry leaders
- August 22- 24 at the Double Tree Hotel in Denver (3203 Quebec Street)
- Sponsored by Xcel Energy
- More informing available at www.mountainzone.org
- There is a cost associated with this conference
Mock Line Strike

• A simulated natural gas release and response demonstration intended to educate excavators, contractors, public officials, and emergency responders.

• September 19 at the Jefferson County Fairgrounds in Golden.

• More informing go to www.mocklinestrike.com, call 316-880-8008 ext 1022, or email jeannettew@enertech.com
Physical and Cybersecurity for Critical Infrastructure Course (MGT-462)

• A DHS funded course offered through Texas A&M Engineering Extension Service (TEEX)

• August 28 from 8:00 a.m. to 5:00 a.m. at the South Metro Admin Building at 9195 E. Mineral Ave in Centennial.

• For more informing call 720-852-6600, email cdps_dhsem_training@state.co.us or go to https://www.train.org/colorado/course/1061973/live_event

• Certain organizations may be fee exempt for this course and others may not be.
Denver’s Risk
City & County of Denver

“Mile High City” (5280ft)
704,000 residents
  - 1M daytime population
  - 2.9M in Denver Metro
  - 19th Largest U.S. City

23% growth since 2000

155 square miles

5th Busiest U.S. Airport
  - 61.8 million passengers yearly

31.5M Visitors in 2016

2016 “Best Place to Live”

Most Geographic Isolation of any big city (>500 miles)
- Disease Outbreak/Bioterrorism
- Hazardous Materials Incident
- Terrorism
- Flooding
- Destructive Weather
- Utilities Interruption/Failure

- National State of Emergency
- Earthquake
- Fire (Structural, Industrial, Wildland)
- Active Shooter
- Aviation Incident
- Cyberterrorism
- Drought

- Civil Unrest
- Ground Subsidence/Sinkholes
- Agricultural Disease Outbreak
- Cyber Crime
- Nuclear Weapon Accident/Incident
Tier II Facilities
Hazmat Pipelines

Gas Transmission Pipelines

Hazardous Liquid Pipelines
Major Rail Lines
EPA Region 8 - Incident Type (2006-2017)

Source of Release:
- Water vessel (ship or boat) accident: 35
- Aircraft accident: 61
- Unknown sheen on water: 128
- Continuous release: 114
- Railroad incident: 538
- Pipeline incident: 574
- Railroad non-release incident: 801
- Storage tank incident: 987
- Wheeled vehicle (car or truck) accident: 2508
- Fixed site (e.g., incident at a building): 4307
Council District Seven’s Risk
District Seven’s Notable Chemicals

- Liquified/Compressed air gasses including: Oxygen, Argon, Nitrogen, and Carbon Dioxide
- Anhydrous Ammonia
- Hydrochloric acid
What to do about my risk?
Get to Know Denver’s Public Notification Systems

• Know what messages mean and what to do after receiving them
• Sign up for SwiftReach
• Make a Plan and a Kit!
Tornado Sirens

- Geographically targeted to a sector of city or DEN
- Siren only, no voice recordings
- Intended to tell those outside to go indoors
Swift Reach

- Voice call to White Pages and Yellow Pages numbers
- Text, email, and/or voice call to subscribers
- Highly geographically targeted based on subscription/phone book address
Wireless Emergency Alerts (WEA) - IPAWS

- Displays on cell phones (that don’t have government alerts turned off)
- Text format
- Currently geographically targeted by cell tower
- Currently limited to 90 characters
Emergency Alert System (EAS) - IPAWS

- Plays over radio
- Scrolls along TV broadcasts
- Will impact a large geography
NOAA All-Hazards Radio - IPAWS

- Only activated by NOAA
- Voice to All-Hazard Radios
- Resilient to power and communications interruptions
Social Media, Press Releases, and Media

- Somewhat slower, but still critical
- Allows for a two way conversation
- Allows for multi-media messaging
Route Alerting

- Slower than other processes
- Effective
- Labor intensive
Make a Plan

- Consider actions to take at home, school, work, and in transit.
- Who are your emergency contacts?
- How will you communicate with family and where will you meet?
- What will you take with you if required to evacuate?
- How would you turn off your HVAC?
Build a Kit

- Water and Food
- Flashlight and radio with extra batteries
- First aid kit
- Tools
- Maps
- Cell phone charger
- Dust mask, gloves, and other protective equipment
- Important papers and documentation
- Medication
- Pet supplies
- Cash
- Tape and plastic sheeting
Protective Actions

What to do if asked to evacuate?

- Leave immediately
- Stay tuned to radio or TV
- If time allows, shut windows/vents and turn off HVAC and attic fans
- Take your emergency kit
- Assist neighbors and family members who need help
Protective Actions

What to do if caught outside?

• Stay upstream, upwind, and uphill of chemical spill (usually 8-10 blocks)
• Try to avoid inhaling, touching, or otherwise coming into contact with liquids, mists, or condensed solids
• Cover you mouth with a cloth or mask if needed
Protective Actions

What to do if asked to shelter in place?

• Bring pets inside
• Close and lock all exterior doors, windows, vents, and dampers
• Turn off HVAC system or set to recirculate
• Go to a preselected interior shelter room, shut interior doors
• Seal around doors, windows, and vents with plastic sheeting and tape
• Do not consume food or water that may be contaminated
• Use a mask, cloth, or towel to breath through if needed
Protective Actions

What to do if caught in a vehicle?

• Seek shelter in a building
• If a building is not available, keep the car windows closed, shut vents, and turn off heat/AC.
Questions and Discussion
It’s Your LEPC

• How can we make the LEPC more relevant to you?
• What topics would be of interest?
• Would you like to speak at an LEPC to share best practices?

Recent topic suggestion: How to identify security threats including suspicious packages.
Upcoming Speakers

• August: BNSF Railroad
Next Meeting

When:    August 21, 2018 from 2:00 to 4:00 PM

Where:   Central Park Recreation Center, 9651 M.L.K. Jr Blvd, Denver, CO 80238

Guest Speaker:   BNSF Railroad

For additional information or to be added to the Denver LEPC distro list, please contact:

David Powell at 720.865.7897
➢David.Powell@denvergov.org

visit www.denvergov.org/oem
# Meeting Name:
Local Emergency Planning Committee (LEPC)

## Date of Meeting:
07/17/2018

## Time:
2:00 PM – 4:00 PM

## Agenda Prepared By:
David Powell

## Location:
Denver Animal Shelter,
1241 W Bayaud Ave, Denver, CO 80223

### 1. Meeting Agenda (describe purpose and desired outcomes/outputs):
- Welcome and introductions
- Business meeting
- LEPC overview (what is the LEPC?)
- Guest Speaker: Denver Hazardous Materials Response Team
- Tour of hazmat truck
- Updates and news
- Overview of Council District Seven’s chemical risk
- LEPC feedback and suggestions

### 2. Desired Meeting Participants (identify organizations to participate in meeting):
- Denver residents
- Denver Police Department
- Denver Fire Department
- Denver Office of Emergency Management
- Public health
- Transportation organizations
- Environmental professionals
- Chemical facilities
- Community groups
- Media

### 3. Meeting Action Items (identify action items or decisions to be made during meeting):
- Approve new members
- Educate residents on chemical hazards in their council district
- Inform industry and residents of how Denver’s hazardous materials team is structured and the capabilities it provides.

### 4. Next Meeting (if required):
- Date: 08/21/2018
- Time: 2:00–4:00 PM Mountain
- Location: Central Park Recreation Center, 9651 M.L.K. Jr Blvd, Denver, CO 80238