Local Emergency Planning Committee (LEPC)

Tuesday, September 18, 2018
2:00pm to 4:00pm

Council District 9
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

News and updates

Overview of Council District Nine’s Risk
Case Study:
Guest Speaker: Joe O’Keefe, DHS

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.
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
News and Updates
Tier II Filing Update

• 279 Tier II reports received by to date
• Section 311/302 reports are continuously submitted
Ammonia Safety Day CANCELED

- 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.
D.C. Circuit Court Vacates RMP Delay Rule

- The D.C. Circuit Court vacated a June 2017 EPA rule delayed the effective date of the January 2017 Risk Management Program regulatory requirements (known as the RMP Amendments rule).

- Changes coming to the RMP Program to address issues included in (EO) 13650: Improving Chemical Facility Safety and Security
Virtual Instructor-Led Training (VILT) courses provide general awareness level counter-improvised explosive device (C-IED) information to a broad audience through an on-line virtual training experience with a live instructor. Perfect for participants with time availability constraints, they can be taken as stand-alone courses or serve as prerequisites for many of the instructor-led courses provided by the Office for Bombing Prevention (OBP).

Registration: https://cdp.dhs.gov/obp
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
Denver
Hazardous and Nuclear Materials
Route Restrictions

Legend
- Denver
- Designated Hazardous Materials Route
- Designated Nuclear and Hazardous Materials Route

Routes Designated By:
Department of Public Safety
Division of State Patrol - Hazardous Materials Section

Map Created By:
Office of Emergency Management
GIS Intern

Data Source:
City and County of Denver, Technology Services - DenverGIS
Hazmat Pipelines

Gas Transmission Pipelines

Hazardous Liquid Pipelines
Major Rail Lines
Council District Eight’s Risk
Highway Buffer Zones
District Eight’s Notable Chemicals

- Acids and Corrosives
- Compressed gasses
- Oxidizers
What to do about my risk?
Public Information and Warning
Emergency Alerts

- Outdoor Warning System
- Swift Reach
- IPAWS
- NOAA
- Door to Door Alerting
- Media
Outdoor Warning System

- Geographically targeted to a sector of city or Denver International Airport.
- Siren only, no voice recordings
- Intended to tell those outside to seek shelter.
Swift Reach

- Voice call to White Pages and Yellow Pages numbers
- Text, email, and/or voice call to subscribers
- Highly geographically targeted area 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
Door to Door Alerting

- Slower than other processes
- Effective
- Labor intensive
Social Media

- /DenverOEM
- @DenverOEM
- Denver Office of Emergency Management

Nextdoor
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
Case Study: Graniteville, SC Chlorine Release
VIDEO

https://www.youtube.com/watch?v=JTeN8KnnJ1E
Case Study: Graniteville Train Derailment

- Collision in a railyard in downtown Graniteville on Jan 6, 2005
- Graniteville is 30 minutes West of Augusta, Georgia
- Release of 11,500 gallons of Chlorine
- 9 killed
- Hundreds sought medical care and approximately 60 people were admitted to the hospital.
Case Study: Graniteville Train Derailment

• Reverse 911 phone calls were issued
• 5,500 evacuated for an extended period of time.
• “Cloud Rising From Train Wreck, Then Death and a Ghost Town” - NYT
Case Study: Graniteville Train Derailment

“Textile mill workers who were exposed to chlorine after the accident are having more trouble breathing today than mill workers who were not exposed, according to research by Tulane University, the University of South Carolina and others. The findings are consistent with early research showing lung ailments immediately after the accident.” – Charlotte Observer
Discussion

• Is your family prepared to evacuate for an extended period of time?
• Would your business be resilient to an incident like this one?
• What should neighboring industries do to prepare for a similar release?
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.
Next Meeting

When: October 16, 2018 from 2:00 to 4:00 PM

Where: TBD

Guest Speaker: Colorado National Guard CERFP

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: 09/18/2018

Time: 2:00 PM – 4:00 PM

Agenda Prepared By: David Powell

Location: Carla Madison Recreation Center: 2401 E Colfax Ave, Denver, CO 80206

1. Meeting Agenda (describe purpose and desired outcomes/outputs):
   - Welcome and introductions
   - Business meeting
   - LEPC overview (what is the LEPC?)
   - Updates and news
   - Overview of Council District nine’s chemical risk
   - Case Study: Graniteville, SC Train Derailment
   - Guest Speaker: DHS Protective Security Advisor
   - Conclusion

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):

   Action Items and Decisions to be made:
   - Approve new members
   - Educate residents on chemical hazards in their council district
   - Inform industry and residents about how to secure their facilities and community

4. Next Meeting (if required):

   Date: 10/16/2018
   Time: 2:00–4:00 PM Mountain
   Location: TBD

Complete meeting agenda prior to meeting and post to shared S:/Meeting Minutes folder with meeting minutes.
1437 Bannock Street #3, Denver, Colorado 80202 / 720-865-7600 (Main) / EOC.Operations@DenverGov.org
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